

# Canada

## REGISTRATION AREA

The Canadian Cancer Registry (CCR) covers all of Canada, the second largest country in the world, with an area of 9 984 670 km<sup>2</sup>. The country consists of 10 provinces and three territories. At the 2011 census, the population of Canada was 34.5 million, with 22.7% of residents aged less than 20 years and 14.4% aged 65 years or more. Approximately 80% of residents live in urban areas, and almost one third of the population is concentrated in the metropolitan areas of Toronto, Montreal, and Vancouver. Canada is a multicultural society. At the 2006 census, members of visible minorities constituted 16.2% of the total population and the Aboriginal population constituted 3.8% of the total population. English is the mother tongue of 55.7% of the population, and French is the mother tongue of 21.6%.

## REGISTRY STRUCTURE AND METHODS

Statistics Canada has collected population-based cancer incidence data since 1969. Since 1992, these data have been compiled in the person-oriented CCR, which replaced the event-oriented National Cancer Incidence Reporting System. The CCR provides the national incidence and survival information required for cancer control. The CCR is a dynamic database of all Canadian residents (living and dead) who have been diagnosed with cancer. It is a collaborative effort between Statistics Canada and the 13 Canadian provincial and territorial cancer registries. The CCR's purpose is to record standardized, comparable cancer incidence and survival data for each newly diagnosed primary cancer. The patient data are linked annually to the Canadian Human Mortality Database, so that the date, place, and cause of death for every cancer patient are eventually known. In addition to cancer incidence, the CCR also records patient characteristics as well as the nature and frequency of their tumours. The CCR uses specialized internal record linkage software for detecting duplicate records and for clearing death records.

## INTERPRETING THE DATA

In Canada, health care delivery is under provincial/territorial jurisdiction. As a result, each province and territory determines which screening programmes to offer. Common screening initiatives include programmes for the detection of breast, cervical, and colorectal cancers.

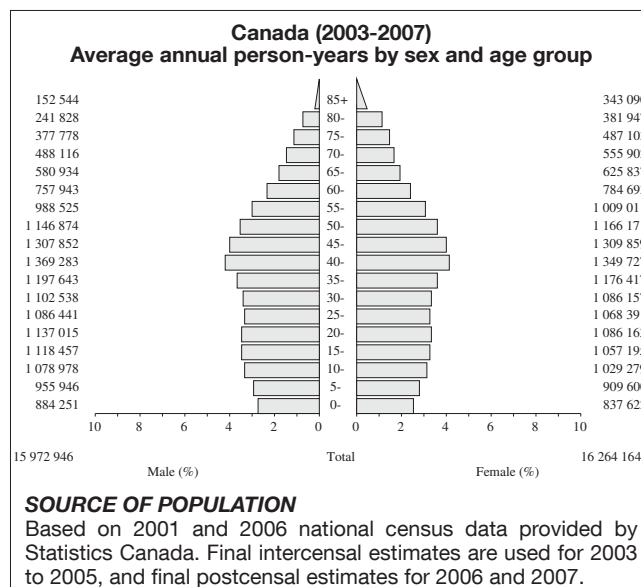
## USE OF THE DATA

The annual publication *Canadian Cancer Statistics* is a collaborative effort between governmental and nongovernmental organizations to produce current estimates and future projections of cancer incidence and survival. Research data centres provide researchers with access to the CCR microdata in a secure setting.

## CONTRIBUTORS

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## NOTES ON THE DATA

†C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 88.6  | Breast                     | 77.7  |
| Trachea, bronchus and lung | 48.0  | Trachea, bronchus and lung | 34.3  |
| Colon                      | 25.8  | Colon                      | 19.6  |
| Bladder                    | 18.9  | Corpus uteri               | 15.4  |
| Rectum                     | 15.9  | Thyroid                    | 13.4  |
| Non-Hodgkin lymphoma       | 14.4  | Non-Hodgkin lymphoma       | 10.3  |
| Kidney                     | 10.5  | Ovary                      | 9.0   |
| Melanoma of skin           | 10.0  | Melanoma of skin           | 8.6   |
| Other and unspecified      | 8.8   | Rectum                     | 8.3   |
| Stomach                    | 7.5   | Other and unspecified      | 7.4   |
| All sites                  | 335.0 | All sites                  | 273.6 |

## Canada (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 1255      | 0.3       | 1.6                      | <b>1.0</b>   | 0.05                | 0.11                | 395       | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 2800      | 0.7       | 3.5                      | <b>2.4</b>   | 0.17                | 0.29                | 1307      | 0.4       | 1.6                      | <b>1.0</b>   | 0.06                | 0.11                | C01-02          |
| Mouth                        | 1896      | 0.5       | 2.4                      | <b>1.6</b>   | 0.10                | 0.20                | 1415      | 0.4       | 1.7                      | <b>1.0</b>   | 0.05                | 0.11                | C03-06          |
| Salivary glands              | 1092      | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                | 0.10                | 826       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 1765      | 0.4       | 2.2                      | <b>1.6</b>   | 0.13                | 0.19                | 562       | 0.2       | 0.7                      | <b>0.4</b>   | 0.03                | 0.05                | C09             |
| Other oropharynx             | 479       | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | 159       | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 762       | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                | 0.08                | 361       | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C11             |
| Hypopharynx                  | 904       | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.10                | 173       | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 394       | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | 157       | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C14             |
| Oesophagus                   | 5452      | 1.4       | 6.8                      | <b>4.4</b>   | 0.23                | 0.54                | 1912      | 0.5       | 2.4                      | <b>1.1</b>   | 0.05                | 0.13                | C15             |
| Stomach                      | 9640      | 2.4       | 12.1                     | <b>7.5</b>   | 0.35                | 0.87                | 5401      | 1.5       | 6.6                      | <b>3.3</b>   | 0.16                | 0.36                | C16             |
| Small intestine              | 1579      | 0.4       | 2.0                      | <b>1.3</b>   | 0.07                | 0.15                | 1296      | 0.4       | 1.6                      | <b>0.9</b>   | 0.05                | 0.11                | C17             |
| Colon                        | 33155     | 8.2       | 41.5                     | <b>25.8</b>  | 1.13                | 3.09                | 32161     | 8.7       | 39.5                     | <b>19.6</b>  | 0.89                | 2.26                | C18             |
| Rectum                       | 19641     | 4.9       | 24.6                     | <b>15.9</b>  | 0.84                | 1.98                | 12396     | 3.4       | 15.2                     | <b>8.3</b>   | 0.45                | 0.98                | C19-20          |
| Anus                         | 1114      | 0.3       | 1.4                      | <b>0.9</b>   | 0.06                | 0.11                | 1492      | 0.4       | 1.8                      | <b>1.1</b>   | 0.08                | 0.13                | C21             |
| Liver                        | 5917      | 1.5       | 7.4                      | <b>4.9</b>   | 0.27                | 0.59                | 2515      | 0.7       | 3.1                      | <b>1.7</b>   | 0.08                | 0.19                | C22             |
| Gallbladder etc.             | 2226      | 0.6       | 2.8                      | <b>1.7</b>   | 0.07                | 0.20                | 2756      | 0.7       | 3.4                      | <b>1.7</b>   | 0.08                | 0.19                | C23-24          |
| Pancreas                     | 9046      | 2.2       | 11.3                     | <b>7.1</b>   | 0.35                | 0.86                | 9474      | 2.6       | 11.7                     | <b>5.6</b>   | 0.24                | 0.64                | C25             |
| Nose, sinuses etc.           | 623       | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                | 444       | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 4495      | 1.1       | 5.6                      | <b>3.7</b>   | 0.21                | 0.48                | 982       | 0.3       | 1.2                      | <b>0.7</b>   | 0.04                | 0.10                | C32             |
| Trachea, bronchus and lung   | 61404     | 15.2      | 76.9                     | <b>48.0</b>  | 2.05                | 5.98                | 49474     | 13.4      | 60.8                     | <b>34.3</b>  | 1.83                | 4.37                | C33-34          |
| Other thoracic organs        | 540       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | 415       | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | C37-38          |
| Bone                         | 973       | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                | 0.09                | 800       | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                | 0.07                | C40-41          |
| Melanoma of skin             | 11737     | 2.9       | 14.7                     | <b>10.0</b>  | 0.62                | 1.12                | 10387     | 2.8       | 12.8                     | <b>8.6</b>   | 0.61                | 0.88                | C43             |
| Other skin                   | 5754      | 1.5       | 7.2                      | <b>4.5</b>   | 0.22                | 0.49                | 5134      | 1.4       | 6.3                      | <b>3.4</b>   | 0.19                | 0.35                | C44             |
| Mesothelioma                 | 1860      | 0.5       | 2.3                      | <b>1.4</b>   | 0.06                | 0.18                | 388       | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.04                | C45             |
| Kaposi sarcoma               | 276       | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 43        | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 2833      | 0.7       | 3.5                      | <b>2.6</b>   | 0.15                | 0.25                | 2183      | 0.6       | 2.7                      | <b>1.9</b>   | 0.12                | 0.18                | C47+C49         |
| Breast                       | 806       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                | 0.07                | 100437    | 27.2      | 123.5                    | <b>77.7</b>  | 5.57                | 8.96                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 2044      | 0.6       | 2.5                      | <b>1.4</b>   | 0.08                | 0.14                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 621       | 0.2       | 0.8                      | <b>0.4</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 6729      | 1.8       | 8.3                      | <b>6.1</b>   | 0.48                | 0.58                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 19855     | 5.4       | 24.4                     | <b>15.4</b>  | 1.12                | 1.93                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 675       | 0.2       | 0.8                      | <b>0.4</b>   | 0.03                | 0.04                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 11953     | 3.2       | 14.7                     | <b>9.0</b>   | 0.60                | 1.02                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 947       | 0.3       | 1.2                      | <b>0.7</b>   | 0.05                | 0.08                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 46        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 662       | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 107358    | 26.6      | 134.4                    | <b>88.6</b>  | 4.37                | 11.81               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 4124      | 1.0       | 5.2                      | <b>4.7</b>   | 0.35                | 0.36                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 247       | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 12363     | 3.1       | 15.5                     | <b>10.5</b>  | 0.65                | 1.23                | 7842      | 2.1       | 9.6                      | <b>5.8</b>   | 0.35                | 0.67                | C64             |
| Renal pelvis                 | 627       | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                | 0.06                | 519       | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 553       | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | 348       | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C66             |
| †Bladder                     | 24778     | 6.1       | 31.0                     | <b>18.9</b>  | 0.77                | 2.20                | 8835      | 2.4       | 10.9                     | <b>5.5</b>   | 0.27                | 0.64                | C67             |
| Other urinary organs         | 927       | 0.2       | 1.2                      | <b>0.7</b>   | 0.03                | 0.09                | 334       | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C68             |
| Eye                          | 724       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.07                | 575       | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                | 0.05                | C69             |
| Brain, nervous system        | 6827      | 1.7       | 8.5                      | <b>6.7</b>   | 0.42                | 0.68                | 5278      | 1.4       | 6.5                      | <b>4.8</b>   | 0.29                | 0.46                | C70-72          |
| Thyroid                      | 3987      | 1.0       | 5.0                      | <b>3.8</b>   | 0.28                | 0.40                | 14053     | 3.8       | 17.3                     | <b>13.4</b>  | 1.07                | 1.28                | C73             |
| Adrenal gland                | 271       | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03                | 326       | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | C74             |
| Other endocrine              | 166       | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 131       | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 2429      | 0.6       | 3.0                      | <b>2.7</b>   | 0.19                | 0.22                | 1982      | 0.5       | 2.4                      | <b>2.2</b>   | 0.15                | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 17035     | 4.2       | 21.3                     | <b>14.4</b>  | 0.82                | 1.61                | 14440     | 3.9       | 17.8                     | <b>10.3</b>  | 0.60                | 1.18                | C82-85,C96      |
| Immunoproliferative diseases | 379       | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 219       | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 5299      | 1.3       | 6.6                      | <b>4.1</b>   | 0.20                | 0.48                | 4379      | 1.2       | 5.4                      | <b>2.8</b>   | 0.13                | 0.33                | C90             |
| Lymphoid leukaemia           | 7547      | 1.9       | 9.4                      | <b>7.1</b>   | 0.35                | 0.70                | 4924      | 1.3       | 6.1                      | <b>4.0</b>   | 0.19                | 0.38                | C91             |
| Myeloid leukaemia            | 4404      | 1.1       | 5.5                      | <b>3.8</b>   | 0.19                | 0.38                | 3614      | 1.0       | 4.4                      | <b>2.8</b>   | 0.16                | 0.28                | C92-94          |
| Leukaemia unspecified        | 740       | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                | 0.05                | 740       | 0.2       | 0.9                      | <b>0.4</b>   | 0.02                | 0.04                | C95             |
| Myeloproliferative disorders | 2372      | 0.6       | 3.0                      | <b>1.9</b>   | 0.09                | 0.22                | 2571      | 0.7       | 3.2                      | <b>1.7</b>   | 0.08                | 0.18                | MPD             |
| Myelodysplastic syndromes    | 2993      | 0.7       | 3.7                      | <b>2.1</b>   | 0.05                | 0.20                | 2321      | 0.6       | 2.9                      | <b>1.2</b>   | 0.03                | 0.11                | MDS             |
| Other and unspecified        | 11616     | 2.9       | 14.5                     | <b>8.8</b>   | 0.37                | 0.93                | 12891     | 3.5       | 15.9                     | <b>7.4</b>   | 0.32                | 0.75                | O&U             |
| All sites                    | 408846    |           | 511.9                    | <b>335.0</b> | 16.77               | 40.21               | 374637    |           | 460.7                    | <b>273.6</b> | 16.95               | 30.97               | C00-96          |
| All sites except C44         | 403092    | 100.0     | 504.7                    | <b>330.5</b> | 16.55               | 39.72               | 369503    | 100.0     | 454.4                    | <b>270.3</b> | 16.76               | 30.61               | C00-96 exc. C44 |

† See note following population pyramid

# Canada, Alberta

## REGISTRATION AREA

Alberta is one of the Prairie Provinces of Canada, with an area of 661 688 km<sup>2</sup>. The Alberta Cancer Registry (ACR) covers the province's multiethnic population, which numbered 3.6 million at the 2011 census, with 80% living in urban areas.

## CANCER CARE FACILITIES

Alberta has universal health care, which is provided and administered by Alberta Health Services (AHS). Many hospitals in Alberta's cities provide surgery and chemotherapy to cancer patients, and there are 17 cancer centres. Two tertiary cancer centres and one associate cancer centre provide radiotherapy, chemotherapy, and limited surgical procedures. The other cancer centres (three associate centres and 11 community centres) provide chemotherapy services.

## REGISTRY STRUCTURE AND METHODS

AHS Cancer Care maintains the ACR, which operates out of the tertiary centres. The registry staff includes a director, two supervisors, two programmers, three quality assurance/staging specialists, 20 cancer registrars, and four support staff members. The registry's activities involve patient registration, coding and staging cancer cases, research projects, quality assurance reviews (both computerized and manual), passive follow-up with Alberta Vital Statistics, and case ascertainment. Alberta's Regional Health Authorities Act mandates the registration of all reportable cancers. The ACR uses a passive case finding approach: all pathology, cytology, and operative reports (and some records such as scans and X-rays) with a mention of cancer are forwarded to the registry. Alberta has an electronic medical record system, which has improved the accuracy of patient demographics and allowed for timelier access to clinical reports. A monthly electronic linkage to Alberta Vital Statistics identifies all cancer patients who die in Alberta. Mechanisms are in place to evaluate the quality of data collected by the registry for completeness, accuracy, and timeliness. The ACR achieved Gold Certification from the North American Association of Central Cancer Registries (NAACCR)

from 1998 to 2000 and from 2002 to 2009, and achieved Silver Certification in 2001.

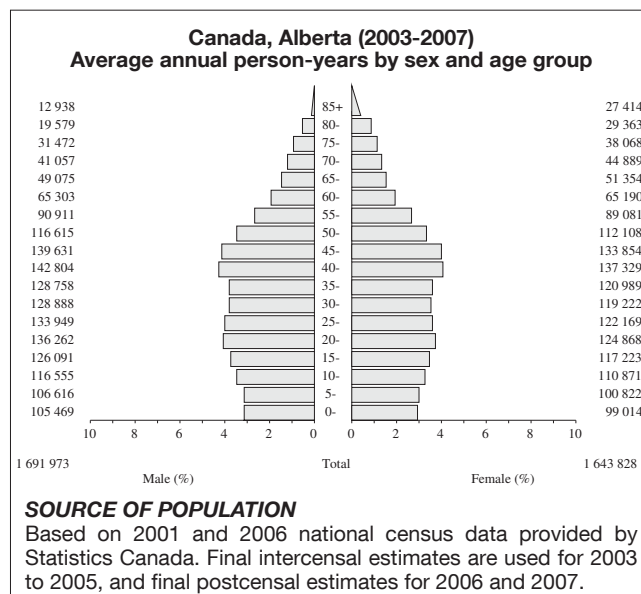
## USE OF THE DATA

ACR cancer incidence and mortality data are published annually. Research projects involving patient contact must be approved by the Research Ethics Board. Every year, the ACR fulfils more than 100 requests for information, including requests for information to be used in collaborative studies with other agencies and organizations. The registry is also an important source of information to AHS for planning its services and programmes, which include screening programmes for breast, cervical, and colorectal cancers.

## CONTRIBUTORS

Carol Russell  
Maxine Raphael

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Angela Eckstrand



## SOURCE OF POPULATION

Based on 2001 and 2006 national census data provided by Statistics Canada. Final intercensal estimates are used for 2003 to 2005, and final postcensal estimates for 2006 and 2007.

## NOTES ON THE DATA

†C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 98.2  | Breast                     | 77.2  |
| Trachea, bronchus and lung | 40.4  | Trachea, bronchus and lung | 32.4  |
| Colon                      | 22.7  | Colon                      | 17.3  |
| Bladder                    | 20.7  | Corpus uteri               | 17.0  |
| Rectum                     | 15.9  | Thyroid                    | 12.8  |
| Non-Hodgkin lymphoma       | 14.4  | Non-Hodgkin lymphoma       | 10.1  |
| Kidney                     | 11.1  | Melanoma of skin           | 9.3   |
| Melanoma of skin           | 10.4  | Rectum                     | 8.5   |
| Lymphoid leukaemia         | 8.3   | Ovary                      | 7.6   |
| Pancreas                   | 7.4   | Cervix uteri               | 7.2   |
| All sites                  | 330.1 | All sites                  | 268.6 |

## Canada, Alberta (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | ICD-10          |
| Lip                          | 104       | 0.3       | 1.2                      | <b>0.9</b>   | 0.04                | 0.12                | 29        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 233       | 0.7       | 2.8                      | <b>2.2</b>   | 0.16                | 0.27                | 129       | 0.4       | 1.6                      | <b>1.1</b>   | 0.07                | 0.12                | C01-02          |
| Mouth                        | 148       | 0.4       | 1.7                      | <b>1.4</b>   | 0.07                | 0.17                | 142       | 0.4       | 1.7                      | <b>1.1</b>   | 0.07                | 0.13                | C03-06          |
| Salivary glands              | 60        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                | 0.07                | 55        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | C07-08          |
| Tonsil                       | 160       | 0.5       | 1.9                      | <b>1.5</b>   | 0.12                | 0.18                | 39        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.05                | C09             |
| Other oropharynx             | 37        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                | 0.05                | 17        | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.02                | C10             |
| Nasopharynx                  | 70        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                | 0.07                | 19        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 71        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.08                | 21        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 12        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.02                | 5         | 0.0       | 0.1                      | <b>0.0</b>   | 0.01                | 0.01                | C14             |
| Oesophagus                   | 507       | 1.4       | 6.0                      | <b>4.7</b>   | 0.26                | 0.57                | 151       | 0.5       | 1.8                      | <b>1.1</b>   | 0.05                | 0.14                | C15             |
| Stomach                      | 795       | 2.2       | 9.4                      | <b>7.0</b>   | 0.33                | 0.81                | 428       | 1.4       | 5.2                      | <b>3.1</b>   | 0.17                | 0.32                | C16             |
| Small intestine              | 157       | 0.4       | 1.9                      | <b>1.4</b>   | 0.08                | 0.17                | 99        | 0.3       | 1.2                      | <b>0.8</b>   | 0.04                | 0.10                | C17             |
| Colon                        | 2571      | 7.2       | 30.4                     | <b>22.7</b>  | 0.99                | 2.65                | 2358      | 7.4       | 28.7                     | <b>17.3</b>  | 0.75                | 2.03                | C18             |
| Rectum                       | 1748      | 4.9       | 20.7                     | <b>15.9</b>  | 0.79                | 1.93                | 1070      | 3.4       | 13.0                     | <b>8.5</b>   | 0.46                | 0.99                | C19-20          |
| Anus                         | 60        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | 135       | 0.4       | 1.6                      | <b>1.2</b>   | 0.09                | 0.13                | C21             |
| Liver                        | 572       | 1.6       | 6.8                      | <b>5.2</b>   | 0.31                | 0.63                | 254       | 0.8       | 3.1                      | <b>1.9</b>   | 0.09                | 0.21                | C22             |
| Gallbladder etc.             | 228       | 0.6       | 2.7                      | <b>2.0</b>   | 0.07                | 0.22                | 223       | 0.7       | 2.7                      | <b>1.6</b>   | 0.09                | 0.18                | C23-24          |
| Pancreas                     | 821       | 2.3       | 9.7                      | <b>7.4</b>   | 0.33                | 0.87                | 860       | 2.7       | 10.5                     | <b>6.2</b>   | 0.25                | 0.71                | C25             |
| Nose, sinuses etc.           | 50        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 37        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C30-31          |
| Larynx                       | 272       | 0.8       | 3.2                      | <b>2.6</b>   | 0.16                | 0.34                | 64        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.07                | C32             |
| Trachea, bronchus and lung   | 4508      | 12.7      | 53.3                     | <b>40.4</b>  | 1.61                | 5.04                | 3929      | 12.4      | 47.8                     | <b>32.4</b>  | 1.66                | 4.18                | C33-34          |
| Other thoracic organs        | 33        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | 35        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.04                | C37-38          |
| Bone                         | 85        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                | 0.07                | 78        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                | 0.07                | C40-41          |
| Melanoma of skin             | 1121      | 3.2       | 13.3                     | <b>10.4</b>  | 0.65                | 1.20                | 1044      | 3.3       | 12.7                     | <b>9.3</b>   | 0.68                | 0.93                | C43             |
| Other skin                   | 113       | 0.3       | 1.3                      | <b>1.0</b>   | 0.05                | 0.09                | 117       | 0.4       | 1.4                      | <b>1.0</b>   | 0.07                | 0.10                | C44             |
| Mesothelioma                 | 181       | 0.5       | 2.1                      | <b>1.6</b>   | 0.05                | 0.19                | 31        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 16        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 254       | 0.7       | 3.0                      | <b>2.5</b>   | 0.12                | 0.28                | 178       | 0.6       | 2.2                      | <b>1.7</b>   | 0.10                | 0.15                | C47+C49         |
| Breast                       | 66        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.06                | 8854      | 28.0      | 107.7                    | <b>77.2</b>  | 5.36                | 8.96                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 189       | 0.6       | 2.3                      | <b>1.5</b>   | 0.09                | 0.16                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 53        | 0.2       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 757       | 2.4       | 9.2                      | <b>7.2</b>   | 0.55                | 0.68                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 1857      | 5.9       | 22.6                     | <b>17.0</b>  | 1.29                | 2.14                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 36        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.02                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 890       | 2.8       | 10.8                     | <b>7.6</b>   | 0.50                | 0.86                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 56        | 0.2       | 0.7                      | <b>0.4</b>   | 0.03                | 0.04                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 77        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 10281     | 29.0      | 121.5                    | <b>98.2</b>  | 4.96                | 13.18               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 499       | 1.4       | 5.9                      | <b>5.1</b>   | 0.38                | 0.39                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 22        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 1176      | 3.3       | 13.9                     | <b>11.1</b>  | 0.65                | 1.31                | 691       | 2.2       | 8.4                      | <b>6.1</b>   | 0.36                | 0.73                | C64             |
| Renal pelvis                 | 62        | 0.2       | 0.7                      | <b>0.5</b>   | 0.02                | 0.05                | 47        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C65             |
| Ureter                       | 39        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.04                | 24        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.01                | C66             |
| †Bladder                     | 2342      | 6.6       | 27.7                     | <b>20.7</b>  | 0.85                | 2.45                | 810       | 2.6       | 9.9                      | <b>6.3</b>   | 0.31                | 0.77                | C67             |
| Other urinary organs         | 27        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 67        | 0.2       | 0.8                      | <b>0.7</b>   | 0.04                | 0.06                | 53        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                | 0.06                | C69             |
| Brain, nervous system        | 609       | 1.7       | 7.2                      | <b>6.3</b>   | 0.39                | 0.63                | 419       | 1.3       | 5.1                      | <b>4.2</b>   | 0.26                | 0.41                | C70-72          |
| Thyroid                      | 385       | 1.1       | 4.6                      | <b>3.6</b>   | 0.26                | 0.39                | 1302      | 4.1       | 15.8                     | <b>12.8</b>  | 1.00                | 1.22                | C73             |
| Adrenal gland                | 23        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 18        | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.02                | C74             |
| Other endocrine              | 19        | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.02                | 9         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 240       | 0.7       | 2.8                      | <b>2.5</b>   | 0.17                | 0.20                | 204       | 0.6       | 2.5                      | <b>2.3</b>   | 0.15                | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 1550      | 4.4       | 18.3                     | <b>14.4</b>  | 0.78                | 1.64                | 1218      | 3.8       | 14.8                     | <b>10.1</b>  | 0.58                | 1.15                | C82-85,C96      |
| Immunoproliferative diseases | 43        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04                | 28        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03                | C88             |
| Multiple myeloma             | 461       | 1.3       | 5.4                      | <b>4.2</b>   | 0.20                | 0.52                | 358       | 1.1       | 4.4                      | <b>2.9</b>   | 0.14                | 0.35                | C90             |
| Lymphoid leukaemia           | 810       | 2.3       | 9.6                      | <b>8.3</b>   | 0.42                | 0.84                | 500       | 1.6       | 6.1                      | <b>4.7</b>   | 0.24                | 0.48                | C91             |
| Myeloid leukaemia            | 417       | 1.2       | 4.9                      | <b>3.8</b>   | 0.20                | 0.39                | 347       | 1.1       | 4.2                      | <b>3.1</b>   | 0.18                | 0.32                | C92-94          |
| Leukaemia unspecified        | 15        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | 26        | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                | 0.01                | C95             |
| Myeloproliferative disorders | 272       | 0.8       | 3.2                      | <b>2.4</b>   | 0.11                | 0.25                | 335       | 1.1       | 4.1                      | <b>2.6</b>   | 0.13                | 0.31                | MPD             |
| Myelodysplastic syndromes    | 295       | 0.8       | 3.5                      | <b>2.5</b>   | 0.07                | 0.26                | 158       | 0.5       | 1.9                      | <b>1.1</b>   | 0.04                | 0.11                | MDS             |
| Other and unspecified        | 811       | 2.3       | 9.6                      | <b>7.0</b>   | 0.27                | 0.73                | 975       | 3.1       | 11.9                     | <b>6.7</b>   | 0.28                | 0.71                | O&U             |
| All sites                    | 35595     |           | 420.8                    | <b>330.1</b> | 16.43               | 39.90               | 31784     |           | 386.7                    | <b>268.6</b> | 16.50               | 30.70               | C00-96          |
| All sites except C44         | 35482     | 100.0     | 419.4                    | <b>329.1</b> | 16.38               | 39.81               | 31667     | 100.0     | 385.3                    | <b>267.7</b> | 16.44               | 30.60               | C00-96 exc. C44 |

† See note following population pyramid

# Canada, British Columbia

## REGISTRATION AREA

The British Columbia Cancer Registry covers the Canadian province of British Columbia. A considerable portion of the province is mountainous and sparsely populated, with most of its population concentrated in the south-western corner. Immigration to British Columbia has increased in recent years. At the 2006 Canadian census, it was estimated that 27.2% of British Columbia residents had immigrated to Canada; of these, one in six had immigrated since the 2001 census. Most immigrants to British Columbia come from Asia, particularly from China, India, the Philippines, and the Republic of Korea. At the 2006 census, 25.5% of British Columbians identified themselves as belonging to a visible minority, of which the largest groups were Chinese and South Asian. Aboriginal people constituted 6.1% of the population.

## CANCER CARE FACILITIES

Health care in British Columbia is delivered by a publicly funded system. Cancer diagnostic services are provided by general hospitals and specialty clinics. Cancer therapy is provided through a mix of dedicated cancer facilities and general hospitals. The British Columbia Cancer Agency (BCCA) operates six regional cancer centres. Radiation therapy is exclusively provided through these regional centres, which also provide approximately 50% of cancer chemotherapy services.

## REGISTRY STRUCTURE AND METHODS

The registry is part of a combined population-based registry and clinical database maintained by the BCCA. Reporting of cancer cases to the registry is mandatory, and the registry is permitted under provincial legislation to obtain information about cancer diagnoses for surveillance and research purposes.

## INTERPRETING THE RESULTS

The BCCA operates the Screening Mammography Program of British Columbia, the Cervical Cancer Screening Program, and the Hereditary Cancer Program, which have all had an impact on the early

detection of cancer. Prostate-specific antigen (PSA) screening for prostate cancer became common in the early 1990s, although it is not a publicly funded service.

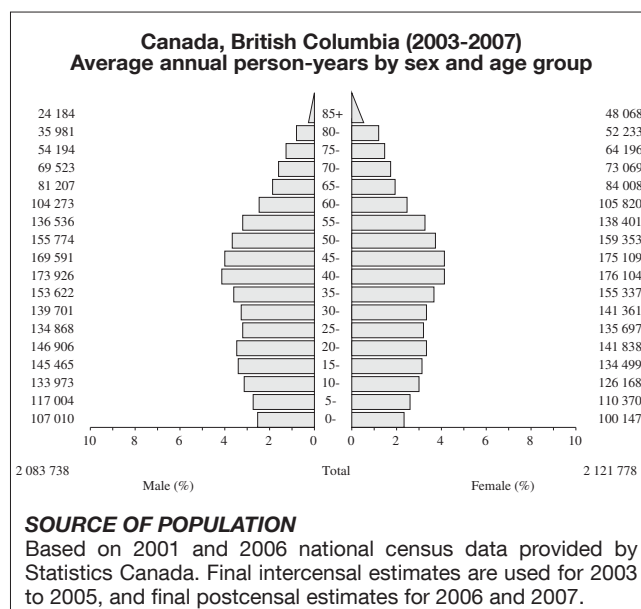
## USE OF THE DATA

The registry serves as a source of cases for surveys and case-control studies; provides outcome data for cohort studies; and is frequently linked with other data sources for epidemiological, health services, and outcomes research. Surveillance reports of cancer statistics are regularly generated and are used for planning services and facilities, for budgeting, and for monitoring systems performance.

## CONTRIBUTORS

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## NOTES ON THE DATA

†C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 82.2  | Breast                     | 73.4  |
| Trachea, bronchus and lung | 38.3  | Trachea, bronchus and lung | 32.1  |
| Colon                      | 21.8  | Colon                      | 17.2  |
| Bladder                    | 18.3  | Corpus uteri               | 14.9  |
| Non-Hodgkin lymphoma       | 14.8  | Melanoma of skin           | 10.1  |
| Rectum                     | 14.7  | Non-Hodgkin lymphoma       | 9.8   |
| Melanoma of skin           | 12.1  | Ovary                      | 8.0   |
| Kidney                     | 7.5   | Rectum                     | 7.8   |
| Other and unspecified      | 7.5   | Other and unspecified      | 7.1   |
| Lymphoid leukaemia         | 6.9   | Thyroid                    | 6.8   |
| All sites                  | 298.4 | All sites                  | 245.6 |

## Canada, British Columbia (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | ICD-10          |
| Lip                          | 61        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | 23        | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C00             |
| Tongue                       | 407       | 0.8       | 3.9                      | <b>2.6</b>   | 0.19                | 0.33                | 164       | 0.4       | 1.5                      | <b>0.9</b>   | 0.06                | 0.10                | C01-02          |
| Mouth                        | 229       | 0.4       | 2.2                      | <b>1.4</b>   | 0.08                | 0.18                | 204       | 0.4       | 1.9                      | <b>1.0</b>   | 0.05                | 0.12                | C03-06          |
| Salivary glands              | 114       | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.08                | 82        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | C07-08          |
| Tonsil                       | 244       | 0.5       | 2.3                      | <b>1.6</b>   | 0.14                | 0.19                | 91        | 0.2       | 0.9                      | <b>0.5</b>   | 0.04                | 0.06                | C09             |
| Other oropharynx             | 64        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | 26        | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 144       | 0.3       | 1.4                      | <b>0.9</b>   | 0.07                | 0.10                | 68        | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                | 0.04                | C11             |
| Hypopharynx                  | 130       | 0.3       | 1.2                      | <b>0.8</b>   | 0.05                | 0.09                | 28        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 24        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.02                | 5         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 775       | 1.5       | 7.4                      | <b>4.3</b>   | 0.22                | 0.53                | 338       | 0.7       | 3.2                      | <b>1.5</b>   | 0.06                | 0.18                | C15             |
| Stomach                      | 1221      | 2.4       | 11.7                     | <b>6.7</b>   | 0.32                | 0.78                | 587       | 1.3       | 5.5                      | <b>2.7</b>   | 0.14                | 0.30                | C16             |
| Small intestine              | 181       | 0.4       | 1.7                      | <b>1.0</b>   | 0.05                | 0.12                | 159       | 0.3       | 1.5                      | <b>0.8</b>   | 0.05                | 0.09                | C17             |
| Colon                        | 4028      | 7.8       | 38.7                     | <b>21.8</b>  | 0.93                | 2.58                | 3822      | 8.4       | 36.0                     | <b>17.2</b>  | 0.77                | 1.96                | C18             |
| Rectum                       | 2546      | 4.9       | 24.4                     | <b>14.7</b>  | 0.75                | 1.82                | 1565      | 3.4       | 14.8                     | <b>7.8</b>   | 0.42                | 0.92                | C19-20          |
| Anus                         | 150       | 0.3       | 1.4                      | <b>1.0</b>   | 0.07                | 0.12                | 215       | 0.5       | 2.0                      | <b>1.2</b>   | 0.09                | 0.13                | C21             |
| Liver                        | 888       | 1.7       | 8.5                      | <b>5.2</b>   | 0.30                | 0.62                | 349       | 0.8       | 3.3                      | <b>1.7</b>   | 0.08                | 0.19                | C22             |
| Gallbladder etc.             | 320       | 0.6       | 3.1                      | <b>1.7</b>   | 0.07                | 0.20                | 350       | 0.8       | 3.3                      | <b>1.6</b>   | 0.06                | 0.18                | C23-24          |
| Pancreas                     | 1221      | 2.4       | 11.7                     | <b>6.7</b>   | 0.33                | 0.79                | 1255      | 2.8       | 11.8                     | <b>5.5</b>   | 0.24                | 0.62                | C25             |
| Nose, sinuses etc.           | 68        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | 76        | 0.2       | 0.7                      | <b>0.4</b>   | 0.03                | 0.05                | C30-31          |
| Larynx                       | 459       | 0.9       | 4.4                      | <b>2.7</b>   | 0.16                | 0.34                | 87        | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                | 0.06                | C32             |
| Trachea, bronchus and lung   | 7097      | 13.8      | 68.1                     | <b>38.3</b>  | 1.57                | 4.69                | 6440      | 14.2      | 60.7                     | <b>32.1</b>  | 1.53                | 4.11                | C33-34          |
| Other thoracic organs        | 61        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.04                | 40        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 109       | 0.2       | 1.0                      | <b>1.0</b>   | 0.06                | 0.08                | 102       | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                | 0.06                | C40-41          |
| Melanoma of skin             | 1953      | 3.8       | 18.7                     | <b>12.1</b>  | 0.78                | 1.33                | 1626      | 3.6       | 15.3                     | <b>10.1</b>  | 0.73                | 1.04                | C43             |
| Other skin                   | 131       | 0.3       | 1.3                      | <b>0.8</b>   | 0.04                | 0.07                | 124       | 0.3       | 1.2                      | <b>0.6</b>   | 0.04                | 0.06                | C44             |
| Mesothelioma                 | 312       | 0.6       | 3.0                      | <b>1.6</b>   | 0.06                | 0.20                | 46        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.04                | C45             |
| Kaposi sarcoma               | 86        | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                | 0.05                | 4         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 326       | 0.6       | 3.1                      | <b>2.1</b>   | 0.13                | 0.22                | 235       | 0.5       | 2.2                      | <b>1.5</b>   | 0.10                | 0.14                | C47+C49         |
| Breast                       | 87        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | 12783     | 28.1      | 120.5                    | <b>73.4</b>  | 5.23                | 8.44                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 207       | 0.5       | 2.0                      | <b>1.0</b>   | 0.06                | 0.11                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 84        | 0.2       | 0.8                      | <b>0.4</b>   | 0.02                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 768       | 1.7       | 7.2                      | <b>5.2</b>   | 0.42                | 0.49                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 2578      | 5.7       | 24.3                     | <b>14.9</b>  | 1.09                | 1.86                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 31        | 0.1       | 0.3                      | <b>0.1</b>   | 0.00                | 0.00                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 1434      | 3.2       | 13.5                     | <b>8.0</b>   | 0.51                | 0.91                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 61        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 2         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 57        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 14333     | 27.8      | 137.6                    | <b>82.2</b>  | 3.80                | 10.88               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 536       | 1.0       | 5.1                      | <b>4.8</b>   | 0.35                | 0.36                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 22        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 1240      | 2.4       | 11.9                     | <b>7.5</b>   | 0.45                | 0.89                | 694       | 1.5       | 6.5                      | <b>3.8</b>   | 0.22                | 0.44                | C64             |
| Renal pelvis                 | 86        | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                | 0.05                | 67        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 63        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | 26        | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C66             |
| †Bladder                     | 3458      | 6.7       | 33.2                     | <b>18.3</b>  | 0.70                | 2.12                | 1144      | 2.5       | 10.8                     | <b>5.3</b>   | 0.24                | 0.64                | C67             |
| Other urinary organs         | 15        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 9         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 118       | 0.2       | 1.1                      | <b>0.8</b>   | 0.04                | 0.10                | 91        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.06                | C69             |
| Brain, nervous system        | 817       | 1.6       | 7.8                      | <b>5.9</b>   | 0.37                | 0.58                | 591       | 1.3       | 5.6                      | <b>4.2</b>   | 0.25                | 0.39                | C70-72          |
| Thyroid                      | 309       | 0.6       | 3.0                      | <b>2.2</b>   | 0.16                | 0.23                | 933       | 2.1       | 8.8                      | <b>6.8</b>   | 0.53                | 0.62                | C73             |
| Adrenal gland                | 27        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | 31        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 259       | 0.5       | 2.5                      | <b>2.3</b>   | 0.15                | 0.18                | 225       | 0.5       | 2.1                      | <b>2.0</b>   | 0.14                | 0.16                | C81             |
| Non-Hodgkin lymphoma         | 2417      | 4.7       | 23.2                     | <b>14.8</b>  | 0.83                | 1.62                | 1872      | 4.1       | 17.6                     | <b>9.8</b>   | 0.56                | 1.11                | C82-85,C96      |
| Immunoproliferative diseases | 7         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | 8         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C88             |
| Multiple myeloma             | 640       | 1.2       | 6.1                      | <b>3.4</b>   | 0.17                | 0.38                | 446       | 1.0       | 4.2                      | <b>2.0</b>   | 0.09                | 0.23                | C90             |
| Lymphoid leukaemia           | 997       | 1.9       | 9.6                      | <b>6.9</b>   | 0.35                | 0.68                | 622       | 1.4       | 5.9                      | <b>4.1</b>   | 0.19                | 0.39                | C91             |
| Myeloid leukaemia            | 587       | 1.1       | 5.6                      | <b>3.7</b>   | 0.19                | 0.37                | 474       | 1.0       | 4.5                      | <b>2.6</b>   | 0.15                | 0.27                | C92-94          |
| Leukaemia unspecified        | 84        | 0.2       | 0.8                      | <b>0.4</b>   | 0.01                | 0.04                | 69        | 0.2       | 0.7                      | <b>0.2</b>   | 0.00                | 0.01                | C95             |
| Myeloproliferative disorders | 297       | 0.6       | 2.9                      | <b>1.7</b>   | 0.08                | 0.20                | 336       | 0.7       | 3.2                      | <b>1.6</b>   | 0.07                | 0.18                | MPD             |
| Myelodysplastic syndromes    | 374       | 0.7       | 3.6                      | <b>1.8</b>   | 0.04                | 0.19                | 226       | 0.5       | 2.1                      | <b>0.9</b>   | 0.03                | 0.08                | MDS             |
| Other and unspecified        | 1414      | 2.7       | 13.6                     | <b>7.5</b>   | 0.33                | 0.78                | 1679      | 3.7       | 15.8                     | <b>7.1</b>   | 0.29                | 0.73                | O&U             |
| All sites                    | 51603     |           | 495.3                    | <b>298.4</b> | 14.72               | 35.52               | 45612     |           | 429.9                    | <b>245.6</b> | 14.86               | 27.88               | C00-96          |
| All sites except C44         | 51472     | 100.0     | 494.0                    | <b>297.7</b> | 14.67               | 35.44               | 45488     | 100.0     | 428.8                    | <b>245.0</b> | 14.82               | 27.82               | C00-96 exc. C44 |

† See note following population pyramid

# Canada, Manitoba

## REGISTRATION AREA

The Manitoba Cancer Registry covers the population of Manitoba, a province located in central Canada. Manitoba is bordered to the east by the province of Ontario, to the west by the province of Saskatchewan, to the north by the territories of Nunavut and the Northwest Territories, and to the south by the USA (the states of North Dakota and Minnesota). The province covers an area of 649 950 km<sup>2</sup>. At the 2001 census, 72% of the population lived in urban areas, with 60% living in the provincial capital of Winnipeg. Approximately 13.6% of all residents were Aboriginal (60.2% Native American, 37.9% Métis, and 2.3% Inuit). Of Manitobans who had immigrated to Canada, a similar proportion had immigrated from Europe (47.5%) and Asia (30.3%). The majority of Manitobans reported British (36.7%), French (12.6%), or other European (48.0%) heritage.

## CANCER CARE FACILITIES

CancerCare Manitoba is a provincial cancer agency with the mandate of coordinating all aspects of cancer control. Direct patient care involves the provision of treatment services, including two outpatient radiation therapy centres (one in Winnipeg and the other in rural Brandon) along with chemotherapy. CancerCare Manitoba also partners with other community care facilities to deliver cancer care – primarily chemotherapy – in local communities.

## REGISTRY STRUCTURE AND METHODS

The registry became fully population-based and was mandated by law in 1956, but it has cases dating back as far as 1937. The registry is funded through CancerCare Manitoba by the provincial health department. The registry staff includes a manager, 10 cancer registrars, three clerks, and an administrative assistant. The epidemiology section of the provincial health department (which includes four epidemiologists, eight analysts, and three project managers) provides support to the registry and is extensively involved in research. Multiple sources are used for case ascertainment. The registry has strict quality control procedures in place and has

been certified by the North American Association of Central Cancer Registries (NAACCR) for the past 8 consecutive years.

## INTERPRETING THE RESULTS

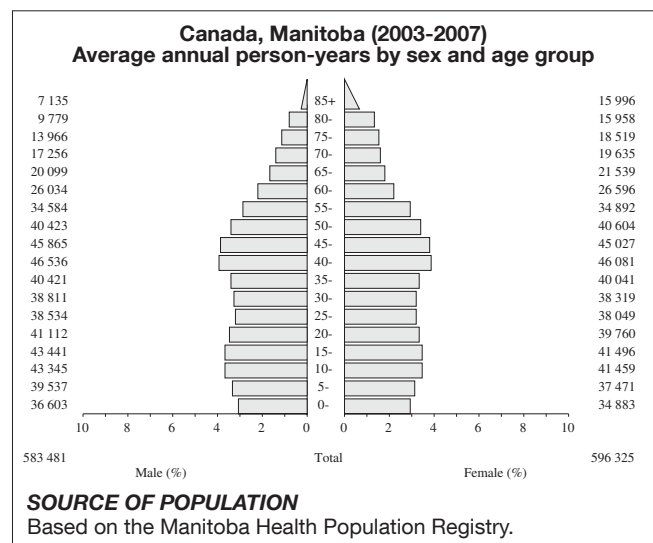
The Manitoba cancer statistics presented in this volume may have been influenced by diagnostic and early detection technologies. A provincial breast screening programme was established in 1995, a cervical screening programme in 1999, and a colorectal screening program in 2007.

## USE OF THE DATA

Registry data are used to address questions relating to surveillance, research, evaluation, and planning, as well as for teaching purposes and to provide diagnostic confirmation and treatment-related information to health care providers.

## CONTRIBUTOR

Donna Turner



## NOTES ON THE DATA

†C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Non-melanoma skin cancer   | 105.6 | Breast                     | 78.8  |
| Prostate                   | 78.0  | Non-melanoma skin cancer   | 76.5  |
| Trachea, bronchus and lung | 47.1  | Trachea, bronchus and lung | 37.1  |
| Colon                      | 26.8  | Colon                      | 19.5  |
| Bladder                    | 20.8  | Corpus uteri               | 19.5  |
| Rectum                     | 17.3  | Non-Hodgkin lymphoma       | 10.8  |
| Non-Hodgkin lymphoma       | 15.5  | Ovary                      | 9.6   |
| Kidney                     | 13.2  | Rectum                     | 9.5   |
| Melanoma of skin           | 8.6   | Thyroid                    | 8.5   |
| Stomach                    | 8.5   | Melanoma of skin           | 6.7   |
| All sites                  | 430.7 | All sites                  | 351.2 |

## Canada, Manitoba (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 141       | 1.0       | 4.8                      | <b>3.0</b>   | 0.14                | 0.35                | 43        | 0.3       | 1.4                      | <b>0.6</b>   | 0.02                | 0.06                | C00             |
| Tongue                       | 103       | 0.7       | 3.5                      | <b>2.6</b>   | 0.21                | 0.30                | 68        | 0.5       | 2.3                      | <b>1.4</b>   | 0.08                | 0.17                | C01-02          |
| Mouth                        | 70        | 0.5       | 2.4                      | <b>1.6</b>   | 0.12                | 0.19                | 52        | 0.4       | 1.7                      | <b>0.9</b>   | 0.06                | 0.11                | C03-06          |
| Salivary glands              | 26        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.06                | 29        | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                | 0.05                | C07-08          |
| Tonsil                       | 64        | 0.4       | 2.2                      | <b>1.5</b>   | 0.11                | 0.18                | 18        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | C09             |
| Other oropharynx             | 16        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.06                | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C10             |
| Nasopharynx                  | 20        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                | 0.05                | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 39        | 0.3       | 1.3                      | <b>0.9</b>   | 0.04                | 0.12                | 10        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.04                | C12-13          |
| Pharynx unspecified          | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 188       | 1.3       | 6.4                      | <b>4.2</b>   | 0.21                | 0.51                | 61        | 0.4       | 2.0                      | <b>0.9</b>   | 0.03                | 0.09                | C15             |
| Stomach                      | 407       | 2.8       | 14.0                     | <b>8.5</b>   | 0.44                | 0.96                | 203       | 1.5       | 6.8                      | <b>3.2</b>   | 0.16                | 0.36                | C16             |
| Small intestine              | 73        | 0.5       | 2.5                      | <b>1.7</b>   | 0.09                | 0.21                | 55        | 0.4       | 1.8                      | <b>1.1</b>   | 0.06                | 0.13                | C17             |
| Colon                        | 1288      | 8.8       | 44.1                     | <b>26.8</b>  | 1.23                | 3.10                | 1230      | 8.8       | 41.3                     | <b>19.5</b>  | 0.94                | 2.15                | C18             |
| Rectum                       | 770       | 5.3       | 26.4                     | <b>17.3</b>  | 1.00                | 2.14                | 526       | 3.8       | 17.6                     | <b>9.5</b>   | 0.50                | 1.14                | C19-20          |
| Anus                         | 28        | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                | 0.07                | 51        | 0.4       | 1.7                      | <b>1.1</b>   | 0.09                | 0.12                | C21             |
| Liver                        | 201       | 1.4       | 6.9                      | <b>4.4</b>   | 0.23                | 0.49                | 97        | 0.7       | 3.3                      | <b>1.6</b>   | 0.07                | 0.18                | C22             |
| Gallbladder etc.             | 107       | 0.7       | 3.7                      | <b>2.2</b>   | 0.09                | 0.24                | 118       | 0.8       | 4.0                      | <b>1.8</b>   | 0.08                | 0.21                | C23-24          |
| Pancreas                     | 355       | 2.4       | 12.2                     | <b>7.5</b>   | 0.34                | 0.90                | 346       | 2.5       | 11.6                     | <b>5.5</b>   | 0.25                | 0.68                | C25             |
| Nose, sinuses etc.           | 26        | 0.2       | 0.9                      | <b>0.5</b>   | 0.01                | 0.06                | 11        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C30-31          |
| Larynx                       | 126       | 0.9       | 4.3                      | <b>2.9</b>   | 0.14                | 0.36                | 30        | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                | 0.08                | C32             |
| Trachea, bronchus and lung   | 2201      | 15.0      | 75.4                     | <b>47.1</b>  | 1.87                | 5.98                | 1992      | 14.3      | 66.8                     | <b>37.1</b>  | 1.93                | 4.81                | C33-34          |
| Other thoracic organs        | 16        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.05                | 7         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C37-38          |
| Bone                         | 41        | 0.3       | 1.4                      | <b>1.2</b>   | 0.08                | 0.10                | 28        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.07                | C40-41          |
| Melanoma of skin             | 362       | 2.5       | 12.4                     | <b>8.6</b>   | 0.56                | 0.98                | 305       | 2.2       | 10.2                     | <b>6.7</b>   | 0.46                | 0.68                | C43             |
| Other skin                   | 4922      |           | 168.7                    | <b>105.6</b> | 5.34                | 12.19               | 4258      |           | 142.8                    | <b>76.5</b>  | 4.41                | 8.43                | C44             |
| Mesothelioma                 | 68        | 0.5       | 2.3                      | <b>1.4</b>   | 0.05                | 0.17                | 11        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C45             |
| Kaposi sarcoma               | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 3         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 91        | 0.6       | 3.1                      | <b>2.4</b>   | 0.11                | 0.21                | 78        | 0.6       | 2.6                      | <b>2.0</b>   | 0.12                | 0.18                | C47+C49         |
| Breast                       | 23        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                | 3688      | 26.5      | 123.7                    | <b>78.8</b>  | 5.74                | 9.07                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 84        | 0.6       | 2.8                      | <b>1.8</b>   | 0.12                | 0.19                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 20        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 258       | 1.9       | 8.7                      | <b>6.6</b>   | 0.51                | 0.65                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 882       | 6.3       | 29.6                     | <b>19.5</b>  | 1.46                | 2.41                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 11        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 469       | 3.4       | 15.7                     | <b>9.6</b>   | 0.63                | 1.10                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 18        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 4         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 31        | 0.2       | 1.1                      | <b>0.6</b>   | 0.01                | 0.07                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 3477      | 23.7      | 119.2                    | <b>78.0</b>  | 3.56                | 10.30               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 155       | 1.1       | 5.3                      | <b>4.9</b>   | 0.35                | 0.38                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 15        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 572       | 3.9       | 19.6                     | <b>13.2</b>  | 0.75                | 1.66                | 334       | 2.4       | 11.2                     | <b>6.6</b>   | 0.40                | 0.75                | C64             |
| Renal pelvis                 | 38        | 0.3       | 1.3                      | <b>0.7</b>   | 0.02                | 0.09                | 21        | 0.2       | 0.7                      | <b>0.4</b>   | 0.01                | 0.05                | C65             |
| Ureter                       | 17        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | 12        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| †Bladder                     | 1034      | 7.1       | 35.4                     | <b>20.8</b>  | 0.82                | 2.35                | 358       | 2.6       | 12.0                     | <b>6.1</b>   | 0.32                | 0.72                | C67             |
| Other urinary organs         | 17        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.04                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 24        | 0.2       | 0.8                      | <b>0.5</b>   | 0.04                | 0.06                | 25        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | C69             |
| Brain, nervous system        | 197       | 1.3       | 6.8                      | <b>5.6</b>   | 0.34                | 0.53                | 166       | 1.2       | 5.6                      | <b>4.2</b>   | 0.26                | 0.42                | C70-72          |
| Thyroid                      | 99        | 0.7       | 3.4                      | <b>2.7</b>   | 0.20                | 0.27                | 309       | 2.2       | 10.4                     | <b>8.5</b>   | 0.66                | 0.77                | C73             |
| Adrenal gland                | 9         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.02                | 10        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 78        | 0.5       | 2.7                      | <b>2.4</b>   | 0.16                | 0.21                | 84        | 0.6       | 2.8                      | <b>2.6</b>   | 0.17                | 0.20                | C81             |
| Non-Hodgkin lymphoma         | 671       | 4.6       | 23.0                     | <b>15.5</b>  | 0.86                | 1.78                | 593       | 4.3       | 19.9                     | <b>10.8</b>  | 0.62                | 1.19                | C82-85,C96      |
| Immunoproliferative diseases | 27        | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                | 0.05                | 16        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 186       | 1.3       | 6.4                      | <b>3.8</b>   | 0.20                | 0.43                | 160       | 1.1       | 5.4                      | <b>2.5</b>   | 0.12                | 0.26                | C90             |
| Lymphoid leukaemia           | 330       | 2.3       | 11.3                     | <b>8.0</b>   | 0.37                | 0.81                | 238       | 1.7       | 8.0                      | <b>5.0</b>   | 0.28                | 0.51                | C91             |
| Myeloid leukaemia            | 150       | 1.0       | 5.1                      | <b>3.5</b>   | 0.17                | 0.38                | 128       | 0.9       | 4.3                      | <b>2.7</b>   | 0.17                | 0.25                | C92-94          |
| Leukaemia unspecified        | 17        | 0.1       | 0.6                      | <b>0.3</b>   | 0.00                | 0.02                | 9         | 0.1       | 0.3                      | <b>0.1</b>   | 0.00                | 0.01                | C95             |
| Myeloproliferative disorders | 105       | 0.7       | 3.6                      | <b>2.4</b>   | 0.10                | 0.31                | 110       | 0.8       | 3.7                      | <b>1.9</b>   | 0.08                | 0.23                | MPD             |
| Myelodysplastic syndromes    | 184       | 1.3       | 6.3                      | <b>3.6</b>   | 0.10                | 0.41                | 135       | 1.0       | 4.5                      | <b>1.9</b>   | 0.08                | 0.20                | MDS             |
| Other and unspecified        | 348       | 2.4       | 11.9                     | <b>7.0</b>   | 0.29                | 0.74                | 395       | 2.8       | 13.2                     | <b>6.2</b>   | 0.28                | 0.69                | O&U             |
| All sites                    | 19563     |           | 670.6                    | <b>430.7</b> | 21.08               | 51.06               | 18181     |           | 609.8                    | <b>351.2</b> | 21.48               | 39.82               | C00-96          |
| All sites except C44         | 14641     | 100.0     | 501.9                    | <b>325.1</b> | 15.73               | 38.87               | 13923     | 100.0     | 467.0                    | <b>274.7</b> | 17.07               | 31.39               | C00-96 exc. C44 |

† See note following population pyramid



# Canada, New Brunswick

## REGISTRATION AREA

The New Brunswick Provincial Cancer Registry (NBPCR) covers the population of the Canadian province of New Brunswick, which was estimated at the most recent census (2006) to be 730 000.

## CANCER CARE FACILITIES

Medical treatment of cancer in New Brunswick focuses on four modalities: surgery, systemic therapy, radiation therapy, and supportive services. Paediatric oncology cases are generally referred to the neighbouring provinces of Nova Scotia or Quebec for initial consultation with a paediatric oncologist. There are two tertiary radiation-based cancer centres in the southern part of the province, in the cities of Moncton and Saint John.

## REGISTRY STRUCTURE AND METHODS

The NBPCR is a population-based central cancer registry located in Saint John (the province's largest city). The registry is funded by the New Brunswick Department of Health and has been overseen by the New Brunswick Cancer Network since January 2008. The registry has used the Collaborative Staging System to capture cancer stage for selected sites (breast, lung, prostate, and colorectum) since 2008. The College of American Pathologists (CAP) Cancer Protocols and Checklists have been endorsed as the cancer pathology reporting standard in New Brunswick since 2009. Since September 2008, several major changes have been implemented within the New Brunswick health care system to improve the efficiency of health care delivery. As part of this process, the province's eight former Regional Health Authorities were amalgamated into two new Regional Health Authorities. In September 2010, the province enacted new privacy legislation (the Personal Health Information Privacy and Access Act [PHIPAA]) that is specifically geared to the health sector and applies to the collection, confidentiality, correction, use, disclosure, retention, and destruction of personal health information.

## INTERPRETING THE RESULTS

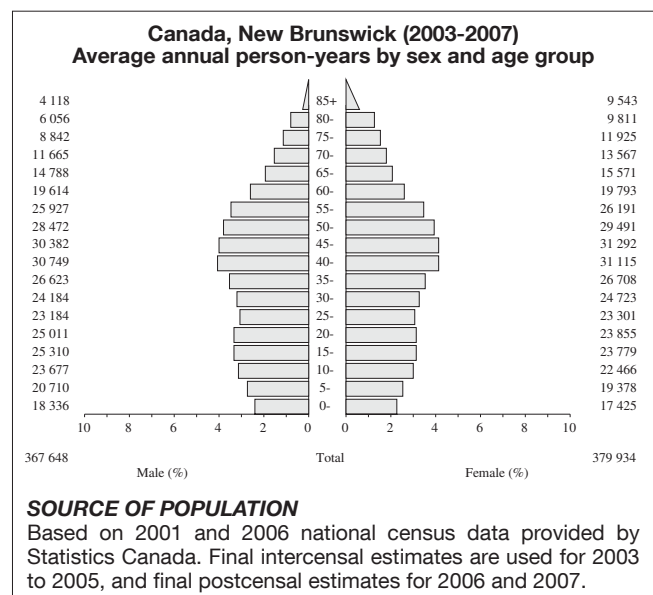
The New Brunswick Breast Cancer Screening Program was rolled out in 16 facilities in 1995, targeting asymptomatic women aged 50–69 years. Full implementation of the New Brunswick Cervical Cancer Prevention and Screening Program is anticipated by 2013–2014.

## USE OF THE DATA

The registry prepares a 5-year report on cancer incidence and mortality, highlighting trends and changes by health region. Data from the registry have also been used to support the indicators for cancer system performance published by the Canadian Partnership Against Cancer (CPAC).

## CONTRIBUTORS

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## NOTES ON THE DATA

†C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 107.3 | Breast                     | 74.2  |
| Trachea, bronchus and lung | 60.4  | Trachea, bronchus and lung | 38.5  |
| Colon                      | 24.0  | Colon                      | 18.1  |
| Bladder                    | 22.0  | Thyroid                    | 14.9  |
| Rectum                     | 18.5  | Corpus uteri               | 14.1  |
| Non-Hodgkin lymphoma       | 16.1  | Non-Hodgkin lymphoma       | 11.1  |
| Kidney                     | 14.6  | Melanoma of skin           | 10.2  |
| Melanoma of skin           | 11.5  | Ovary                      | 9.2   |
| Pancreas                   | 9.5   | Rectum                     | 8.6   |
| Stomach                    | 8.4   | Kidney                     | 8.5   |
| All sites                  | 371.1 | All sites                  | 273.0 |

## Canada, New Brunswick (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 48        | 0.4       | 2.6                      | 1.5       | 0.04                     | 0.18      | 6         | 0.1                      | 0.3       | 0.1                      | 0.00   | 0.02  | C00             |
| Tongue                       | 48        | 0.4       | 2.6                      | 1.6       | 0.11                     | 0.18      | 20        | 0.2                      | 1.1       | 0.6                      | 0.03   | 0.09  | C01-02          |
| Mouth                        | 45        | 0.4       | 2.4                      | 1.6       | 0.08                     | 0.21      | 33        | 0.4                      | 1.7       | 0.9                      | 0.06   | 0.10  | C03-06          |
| Salivary glands              | 37        | 0.3       | 2.0                      | 1.3       | 0.05                     | 0.14      | 23        | 0.2                      | 1.2       | 0.7                      | 0.05   | 0.06  | C07-08          |
| Tonsil                       | 58        | 0.5       | 3.2                      | 2.0       | 0.17                     | 0.24      | 18        | 0.2                      | 0.9       | 0.6                      | 0.05   | 0.07  | C09             |
| Other oropharynx             | 7         | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.03      | 2         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.01  | C10             |
| Nasopharynx                  | 23        | 0.2       | 1.3                      | 0.8       | 0.06                     | 0.10      | 8         | 0.1                      | 0.4       | 0.3                      | 0.01   | 0.04  | C11             |
| Hypopharynx                  | 17        | 0.2       | 0.9                      | 0.6       | 0.03                     | 0.09      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 9         | 0.1       | 0.5                      | 0.3       | 0.02                     | 0.05      | 3         | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C14             |
| Oesophagus                   | 159       | 1.4       | 8.6                      | 5.1       | 0.24                     | 0.63      | 53        | 0.6                      | 2.8       | 1.1                      | 0.04   | 0.14  | C15             |
| Stomach                      | 275       | 2.5       | 15.0                     | 8.4       | 0.36                     | 0.98      | 157       | 1.7                      | 8.3       | 3.8                      | 0.16   | 0.43  | C16             |
| Small intestine              | 35        | 0.3       | 1.9                      | 1.2       | 0.05                     | 0.14      | 26        | 0.3                      | 1.4       | 0.7                      | 0.04   | 0.07  | C17             |
| Colon                        | 768       | 6.9       | 41.8                     | 24.0      | 1.07                     | 2.87      | 763       | 8.2                      | 40.2      | 18.1                     | 0.84   | 2.08  | C18             |
| Rectum                       | 579       | 5.2       | 31.5                     | 18.5      | 1.00                     | 2.16      | 338       | 3.6                      | 17.8      | 8.6                      | 0.49   | 0.94  | C19-20          |
| Anus                         | 23        | 0.2       | 1.3                      | 0.8       | 0.06                     | 0.10      | 30        | 0.3                      | 1.6       | 0.9                      | 0.07   | 0.10  | C21             |
| Liver                        | 94        | 0.8       | 5.1                      | 3.0       | 0.15                     | 0.37      | 41        | 0.4                      | 2.2       | 1.2                      | 0.06   | 0.14  | C22             |
| Gallbladder etc.             | 56        | 0.5       | 3.0                      | 1.6       | 0.04                     | 0.18      | 74        | 0.8                      | 3.9       | 1.7                      | 0.07   | 0.21  | C23-24          |
| Pancreas                     | 293       | 2.6       | 15.9                     | 9.5       | 0.41                     | 1.19      | 285       | 3.0                      | 15.0      | 6.3                      | 0.24   | 0.70  | C25             |
| Nose, sinuses etc.           | 16        | 0.1       | 0.9                      | 0.5       | 0.02                     | 0.04      | 9         | 0.1                      | 0.5       | 0.2                      | 0.02   | 0.02  | C30-31          |
| Larynx                       | 130       | 1.2       | 7.1                      | 4.2       | 0.19                     | 0.53      | 24        | 0.3                      | 1.3       | 0.6                      | 0.04   | 0.07  | C32             |
| Trachea, bronchus and lung   | 1924      | 17.2      | 104.7                    | 60.4      | 2.56                     | 7.60      | 1399      | 15.0                     | 73.6      | 38.5                     | 1.95   | 5.02  | C33-34          |
| Other thoracic organs        | 6         | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02      | 7         | 0.1                      | 0.4       | 0.2                      | 0.02   | 0.02  | C37-38          |
| Bone                         | 20        | 0.2       | 1.1                      | 1.1       | 0.07                     | 0.09      | 15        | 0.2                      | 0.8       | 0.8                      | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 331       | 3.0       | 18.0                     | 11.5      | 0.69                     | 1.33      | 295       | 3.2                      | 15.5      | 10.2                     | 0.69   | 1.03  | C43             |
| Other skin                   | 40        | 0.4       | 2.2                      | 1.4       | 0.07                     | 0.15      | 36        | 0.4                      | 1.9       | 1.1                      | 0.05   | 0.09  | C44             |
| Mesothelioma                 | 35        | 0.3       | 1.9                      | 1.1       | 0.04                     | 0.13      | 7         | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 4         | 0.0       | 0.2                      | 0.1       | 0.00                     | 0.02      | 2         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 98        | 0.9       | 5.3                      | 3.9       | 0.22                     | 0.35      | 47        | 0.5                      | 2.5       | 1.6                      | 0.09   | 0.15  | C47+C49         |
| Breast                       | 17        | 0.2       | 0.9                      | 0.6       | 0.01                     | 0.06      | 2460      | 26.3                     | 129.5     | 74.2                     | 5.25   | 8.48  | C50             |
| Vulva                        |           |           |                          |           |                          |           | 55        | 0.6                      | 2.9       | 1.7                      | 0.11   | 0.18  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 21        | 0.2                      | 1.1       | 0.5                      | 0.02   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 175       | 1.9                      | 9.2       | 6.4                      | 0.47   | 0.62  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 462       | 4.9                      | 24.3      | 14.1                     | 0.95   | 1.73  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 6         | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 314       | 3.4                      | 16.5      | 9.2                      | 0.61   | 1.01  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 9         | 0.1                      | 0.5       | 0.2                      | 0.01   | 0.03  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 1         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.00  | C58             |
| Penis                        | 32        | 0.3       | 1.7                      | 1.0       | 0.05                     | 0.11      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3222      | 28.9      | 175.3                    | 107.3     | 5.21                     | 14.69     |           |                          |           |                          |        |       | C61             |
| Testis                       | 78        | 0.7       | 4.2                      | 4.1       | 0.29                     | 0.29      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4         | 0.0       | 0.2                      | 0.1       | 0.02                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 420       | 3.8       | 22.8                     | 14.6      | 0.92                     | 1.73      | 268       | 2.9                      | 14.1      | 8.5                      | 0.51   | 1.02  | C64             |
| Renal pelvis                 | 28        | 0.3       | 1.5                      | 0.9       | 0.05                     | 0.12      | 16        | 0.2                      | 0.8       | 0.4                      | 0.01   | 0.04  | C65             |
| Ureter                       | 22        | 0.2       | 1.2                      | 0.7       | 0.04                     | 0.10      | 15        | 0.2                      | 0.8       | 0.3                      | 0.02   | 0.03  | C66             |
| †Bladder                     | 713       | 6.4       | 38.8                     | 22.0      | 0.93                     | 2.60      | 256       | 2.7                      | 13.5      | 6.9                      | 0.38   | 0.85  | C67             |
| Other urinary organs         | 3         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      | 3         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 11        | 0.1       | 0.6                      | 0.4       | 0.02                     | 0.05      | 10        | 0.1                      | 0.5       | 0.4                      | 0.02   | 0.04  | C69             |
| Brain, nervous system        | 169       | 1.5       | 9.2                      | 6.6       | 0.41                     | 0.68      | 144       | 1.5                      | 7.6       | 5.2                      | 0.32   | 0.49  | C70-72          |
| Thyroid                      | 112       | 1.0       | 6.1                      | 4.3       | 0.30                     | 0.48      | 387       | 4.1                      | 20.4      | 14.9                     | 1.20   | 1.45  | C73             |
| Adrenal gland                | 4         | 0.0       | 0.2                      | 0.1       | 0.00                     | 0.01      | 5         | 0.1                      | 0.3       | 0.4                      | 0.02   | 0.02  | C74             |
| Other endocrine              | 2         | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 65        | 0.6       | 3.5                      | 3.2       | 0.22                     | 0.27      | 47        | 0.5                      | 2.5       | 2.2                      | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 469       | 4.2       | 25.5                     | 16.1      | 0.95                     | 1.77      | 384       | 4.1                      | 20.2      | 11.1                     | 0.74   | 1.20  | C82-85,C96      |
| Immunoproliferative diseases | 2         | 0.0       | 0.1                      | 0.1       | 0.00                     | 0.01      | 6         | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 134       | 1.2       | 7.3                      | 4.3       | 0.19                     | 0.57      | 114       | 1.2                      | 6.0       | 3.1                      | 0.19   | 0.40  | C90             |
| Lymphoid leukaemia           | 161       | 1.4       | 8.8                      | 6.7       | 0.36                     | 0.68      | 103       | 1.1                      | 5.4       | 3.4                      | 0.16   | 0.32  | C91             |
| Myeloid leukaemia            | 94        | 0.8       | 5.1                      | 3.5       | 0.18                     | 0.38      | 92        | 1.0                      | 4.8       | 3.4                      | 0.19   | 0.35  | C92-94          |
| Leukaemia unspecified        | 14        | 0.1       | 0.8                      | 0.5       | 0.02                     | 0.03      | 10        | 0.1                      | 0.5       | 0.2                      | 0.02   | 0.03  | C95             |
| Myeloproliferative disorders | 46        | 0.4       | 2.5                      | 1.5       | 0.08                     | 0.18      | 43        | 0.5                      | 2.3       | 1.0                      | 0.04   | 0.09  | MPD             |
| Myelodysplastic syndromes    | 107       | 1.0       | 5.8                      | 3.1       | 0.08                     | 0.30      | 84        | 0.9                      | 4.4       | 1.8                      | 0.05   | 0.21  | MDS             |
| Other and unspecified        | 100       | 0.9       | 5.4                      | 2.8       | 0.08                     | 0.25      | 170       | 1.8                      | 8.9       | 3.5                      | 0.19   | 0.29  | O&U             |
| All sites                    | 11207     |           | 609.7                    | 371.1     | 18.28                    | 45.50     | 9381      |                          | 493.8     | 273.0                    | 16.78  | 30.88 | C00-96          |
| All sites except C44         | 11167     | 100.0     | 607.5                    | 369.7     | 18.21                    | 45.35     | 9345      | 100.0                    | 491.9     | 271.9                    | 16.73  | 30.79 | C00-96 exc. C44 |

† See note following population pyramid

# Canada, Newfoundland and Labrador

## REGISTRATION AREA

The Newfoundland and Labrador Provincial Tumour Registry covers the Canadian province of Newfoundland and Labrador. In July 2013, the estimated provincial population was 527 000.

## CANCER CARE FACILITIES

The Newfoundland and Labrador Cancer Care Program is responsible for four cancer centres in the province: the Dr. H. Bliss Murphy Cancer Centre in St. John's (the province's capital city) and three regional centres in Gander, Grand Falls-Windsor, and Corner Brook. Several services, such as radiation therapy, are only available in St. John's. The Cancer Care Program is also responsible for the provincial systemic therapy budget and oversees chemotherapy delivery in various hospitals across the province.

## REGISTRY STRUCTURE AND METHODS

The registry is part of the provincial Cancer Care Program of Eastern Health (Newfoundland and Labrador's government health organization), formed in 2005. The registry is located within the Dr. H. Bliss Murphy Cancer Centre in St. John's and is staffed by a manager, a part-time programmer analyst, and four full-time health records professionals. The registry uses an electronic pathology (E-Path) reporting system and receives reports from six pathology laboratories, through an HL7 interface. Each report is filtered using an ICD-O-3 auto-coding engine. The automated filtering logic examines the topography and morphology codes and then selects reports for submission to the registry based on registry reporting requirements. E-Path reporting has improved the timeliness, completeness, and consistency of the registry's pathology information. The registry has also implemented a death clearance process and performs active follow-up of all patients, which has greatly improved case ascertainment.

## INTERPRETING THE RESULTS

Cervical cancer screening is carried out throughout the province, mainly by family physicians on an opportunistic basis. A cervical cytology registry exists to track results and report indicators. Breast cancer screening programmes exist in three regions of the province, but full provincial coverage has not yet been

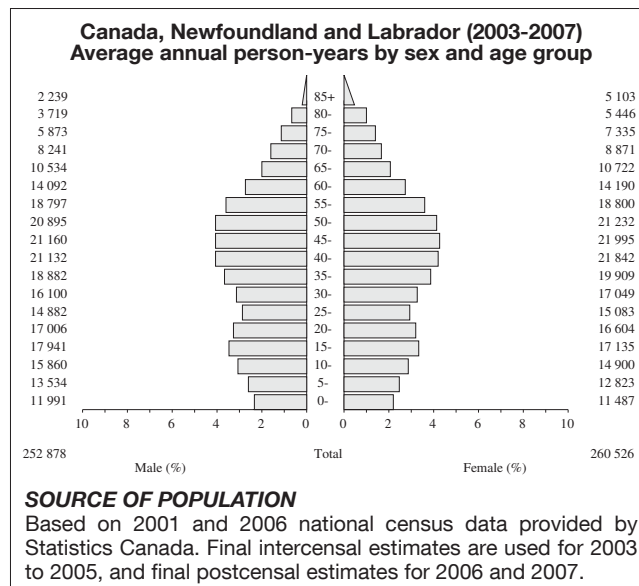
achieved. An organized colorectal cancer screening programme (using the faecal immunochemical test [FIT]) was launched in 2012. The programme is still being phased in and to date is available in two regions of the province. Full provincial coverage is anticipated within 3 years of the initial launch.

## USE OF THE DATA

Registry data are used for a variety of purposes, including health care planning, evidence-based decision-making, research, and cross-jurisdictional (intraprovincial, pan-Canadian, and international) comparisons. Data are also submitted to various organizations, including Statistics Canada (for inclusion in the Canadian Cancer Registry), the North American Association of Central Cancer Registries (NAACCR), and the Canadian Partnership Against Cancer (CPAC). Data from the registry are included in the annual publication *Canadian Cancer Statistics* and in CPAC's *Cancer System Performance Reports* and *System Performance Special Focus Reports*.

## CONTRIBUTORS

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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Canada, Northwest Territories |       | Female                     |       |
|-------------------------------|-------|----------------------------|-------|
| Prostate                      | 80.7  | Breast                     | 68.2  |
| Trachea, bronchus and lung    | 43.9  | Colon                      | 28.5  |
| Colon                         | 36.4  | Trachea, bronchus and lung | 25.8  |
| Rectum                        | 22.4  | Corpus uteri               | 14.1  |
| Bladder                       | 17.3  | Rectum                     | 10.5  |
| Stomach                       | 11.9  | Non-Hodgkin lymphoma       | 9.7   |
| Kidney                        | 11.4  | Thyroid                    | 9.5   |
| Non-Hodgkin lymphoma          | 11.0  | Melanoma of skin           | 7.6   |
| Melanoma of skin              | 8.6   | Other and unspecified      | 7.3   |
| Brain, nervous system         | 7.0   | Cervix uteri               | 6.7   |
| All sites                     | 314.2 | All sites                  | 245.6 |

## Canada, Newfoundland and Labrador (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 38        | 0.6       | 3.0                      | <b>1.9</b>   | 0.10                     | 0.26      | 9         | 0.2                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C00             |
| Tongue                       | 37        | 0.6       | 2.9                      | <b>2.0</b>   | 0.13                     | 0.25      | 14        | 0.3                      | 1.1       | <b>0.7</b>               | 0.03   | 0.07  | C01-02          |
| Mouth                        | 26        | 0.4       | 2.1                      | <b>1.4</b>   | 0.08                     | 0.18      | 20        | 0.4                      | 1.5       | <b>0.8</b>               | 0.03   | 0.06  | C03-06          |
| Salivary glands              | 20        | 0.3       | 1.6                      | <b>1.0</b>   | 0.05                     | 0.10      | 11        | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C07-08          |
| Tonsil                       | 33        | 0.5       | 2.6                      | <b>1.7</b>   | 0.14                     | 0.19      | 6         | 0.1                      | 0.5       | <b>0.3</b>               | 0.03   | 0.03  | C09             |
| Other oropharynx             | 8         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.06      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 17        | 0.3       | 1.3                      | <b>0.9</b>   | 0.08                     | 0.09      | 8         | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C11             |
| Hypopharynx                  | 14        | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                     | 0.10      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 6         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 90        | 1.4       | 7.1                      | <b>4.1</b>   | 0.22                     | 0.48      | 15        | 0.3                      | 1.2       | <b>0.5</b>               | 0.03   | 0.06  | C15             |
| Stomach                      | 262       | 4.1       | 20.7                     | <b>11.9</b>  | 0.57                     | 1.33      | 150       | 2.8                      | 11.5      | <b>6.0</b>               | 0.27   | 0.71  | C16             |
| Small intestine              | 34        | 0.5       | 2.7                      | <b>1.6</b>   | 0.11                     | 0.20      | 29        | 0.5                      | 2.2       | <b>1.2</b>               | 0.07   | 0.14  | C17             |
| Colon                        | 790       | 12.3      | 62.5                     | <b>36.4</b>  | 1.68                     | 4.28      | 715       | 13.4                     | 54.9      | <b>28.5</b>              | 1.40   | 3.40  | C18             |
| Rectum                       | 470       | 7.3       | 37.2                     | <b>22.4</b>  | 1.31                     | 2.82      | 245       | 4.6                      | 18.8      | <b>10.5</b>              | 0.65   | 1.29  | C19-20          |
| Anus                         | 8         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04      | 17        | 0.3                      | 1.3       | <b>0.8</b>               | 0.06   | 0.09  | C21             |
| Liver                        | 50        | 0.8       | 4.0                      | <b>2.5</b>   | 0.13                     | 0.32      | 24        | 0.4                      | 1.8       | <b>1.1</b>               | 0.05   | 0.14  | C22             |
| Gallbladder etc.             | 30        | 0.5       | 2.4                      | <b>1.5</b>   | 0.08                     | 0.21      | 39        | 0.7                      | 3.0       | <b>1.6</b>               | 0.11   | 0.19  | C23-24          |
| Pancreas                     | 94        | 1.5       | 7.4                      | <b>4.6</b>   | 0.28                     | 0.57      | 58        | 1.1                      | 4.5       | <b>2.6</b>               | 0.16   | 0.32  | C25             |
| Nose, sinuses etc.           | 11        | 0.2       | 0.9                      | <b>0.5</b>   | 0.02                     | 0.06      | 5         | 0.1                      | 0.4       | <b>0.2</b>               | 0.00   | 0.02  | C30-31          |
| Larynx                       | 98        | 1.5       | 7.8                      | <b>4.6</b>   | 0.24                     | 0.59      | 14        | 0.3                      | 1.1       | <b>0.6</b>               | 0.05   | 0.08  | C32             |
| Trachea, bronchus and lung   | 931       | 14.5      | 73.6                     | <b>43.9</b>  | 2.02                     | 5.96      | 572       | 10.7                     | 43.9      | <b>25.8</b>              | 1.47   | 3.45  | C33-34          |
| Other thoracic organs        | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 2         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C37-38          |
| Bone                         | 14        | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                     | 0.10      | 11        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C40-41          |
| Melanoma of skin             | 173       | 2.7       | 13.7                     | <b>8.6</b>   | 0.54                     | 0.95      | 158       | 3.0                      | 12.1      | <b>7.6</b>               | 0.58   | 0.80  | C43             |
| Other skin                   | 24        | 0.4       | 1.9                      | <b>1.2</b>   | 0.05                     | 0.13      | 34        | 0.6                      | 2.6       | <b>1.7</b>               | 0.10   | 0.16  | C44             |
| Mesothelioma                 | 14        | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.10      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 2         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.00      | 2         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 30        | 0.5       | 2.4                      | <b>1.7</b>   | 0.10                     | 0.18      | 39        | 0.7                      | 3.0       | <b>2.0</b>               | 0.12   | 0.20  | C47+C49         |
| Breast                       | 8         | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 1488      | 27.9                     | 114.2     | <b>68.2</b>              | 4.85   | 8.01  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 36        | 0.7                      | 2.8       | <b>1.3</b>               | 0.05   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 7         | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.02  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 118       | 2.2                      | 9.1       | <b>6.7</b>               | 0.52   | 0.63  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 304       | 5.7                      | 23.3      | <b>14.1</b>              | 1.09   | 1.75  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 8         | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 116       | 2.2                      | 8.9       | <b>5.8</b>               | 0.41   | 0.71  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 9         | 0.2                      | 0.7       | <b>0.4</b>               | 0.04   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 18        | 0.3       | 1.4                      | <b>0.9</b>   | 0.06                     | 0.12      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1666      | 25.9      | 131.8                    | <b>80.7</b>  | 4.03                     | 11.19     |           |                          |           |                          |        |       | C61             |
| Testis                       | 53        | 0.8       | 4.2                      | <b>4.0</b>   | 0.28                     | 0.31      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 228       | 3.5       | 18.0                     | <b>11.4</b>  | 0.75                     | 1.39      | 131       | 2.5                      | 10.1      | <b>6.3</b>               | 0.41   | 0.66  | C64             |
| Renal pelvis                 | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 3         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 2         | 0.0                      | 0.2       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 389       | 6.0       | 30.8                     | <b>17.3</b>  | 0.54                     | 1.91      | 142       | 2.7                      | 10.9      | <b>5.5</b>               | 0.25   | 0.67  | C67             |
| Other urinary organs         | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 8         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04      | 4         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 116       | 1.8       | 9.2                      | <b>7.0</b>   | 0.50                     | 0.76      | 77        | 1.4                      | 5.9       | <b>4.4</b>               | 0.32   | 0.41  | C70-72          |
| Thyroid                      | 50        | 0.8       | 4.0                      | <b>2.7</b>   | 0.23                     | 0.31      | 179       | 3.4                      | 13.7      | <b>9.5</b>               | 0.75   | 0.95  | C73             |
| Adrenal gland                | 3         | 0.0       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.02      | 3         | 0.1                      | 0.2       | <b>0.6</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 27        | 0.4       | 2.1                      | <b>2.1</b>   | 0.14                     | 0.18      | 18        | 0.3                      | 1.4       | <b>1.5</b>               | 0.08   | 0.12  | C81             |
| Non-Hodgkin lymphoma         | 215       | 3.3       | 17.0                     | <b>11.0</b>  | 0.64                     | 1.19      | 210       | 3.9                      | 16.1      | <b>9.7</b>               | 0.61   | 1.14  | C82-85,C96      |
| Immunoproliferative diseases | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                     | 0.03      | 6         | 0.1                      | 0.5       | <b>0.2</b>               | 0.02   | 0.02  | C88             |
| Multiple myeloma             | 54        | 0.8       | 4.3                      | <b>2.8</b>   | 0.17                     | 0.35      | 45        | 0.8                      | 3.5       | <b>1.9</b>               | 0.06   | 0.24  | C90             |
| Lymphoid leukaemia           | 40        | 0.6       | 3.2                      | <b>2.8</b>   | 0.19                     | 0.22      | 19        | 0.4                      | 1.5       | <b>1.6</b>               | 0.10   | 0.11  | C91             |
| Myeloid leukaemia            | 49        | 0.8       | 3.9                      | <b>2.9</b>   | 0.17                     | 0.32      | 40        | 0.7                      | 3.1       | <b>2.8</b>               | 0.18   | 0.24  | C92-94          |
| Leukaemia unspecified        | 5         | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                     | 0.02      | 10        | 0.2                      | 0.8       | <b>0.5</b>               | 0.02   | 0.03  | C95             |
| Myeloproliferative disorders | 5         | 0.1       | 0.4                      | <b>0.2</b>   | 0.00                     | 0.03      | 7         | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.04  | MPD             |
| Myelodysplastic syndromes    | 30        | 0.5       | 2.4                      | <b>1.3</b>   | 0.04                     | 0.14      | 26        | 0.5                      | 2.0       | <b>1.0</b>               | 0.01   | 0.14  | MDS             |
| Other and unspecified        | 149       | 2.3       | 11.8                     | <b>6.7</b>   | 0.34                     | 0.73      | 166       | 3.1                      | 12.7      | <b>7.3</b>               | 0.41   | 0.93  | O&U             |
| All sites                    | 6461      |           | 511.0                    | <b>314.2</b> | 16.37                    | 38.98     | 5375      |                          | 412.6     | <b>245.6</b>             | 15.67  | 28.56 | C00-96          |
| All sites except C44         | 6437      | 100.0     | 509.1                    | <b>313.0</b> | 16.32                    | 38.84     | 5341      | 100.0                    | 410.0     | <b>243.9</b>             | 15.58  | 28.40 | C00-96 exc. C44 |

# Canada, Northwest Territories

## REGISTRATION AREA

The Northwest Territories Cancer Registry covers the entire Canadian territory of the Northwest Territories. The territory is extremely sparsely populated, with a population at the 2012 census of approximately 43 000, spread over an area of more than 1.3 million km<sup>2</sup>. Approximately half of the territory's residents live in the capital city, Yellowknife; the remainder live in 32 small communities and regional administrative centres spread throughout the territory and ranging in population at the 2012 census from 50 to 3600. Of the territory's total population, 51% of residents are Aboriginal (including First Nations, Inuit, and Métis). The majority of non-Aboriginal residents (71%) live in the capital, whereas the majority of Aboriginal residents (79%) live in small communities and regional centres.

## CANCER CARE FACILITIES

The Stanton Territorial Hospital in Yellowknife provides chemotherapy services and basic cancer surgeries. For all other cancer services, patients travel to the Cross Cancer Institute in Edmonton, Alberta.

## REGISTRY STRUCTURE AND METHODS

Reporting of all cancer cases to the registry is mandatory under the territory's Public Health Act. Registry data are assembled and verified by a senior disease registry officer in the Population Health Division of the Northwest Territories Department of Health and Social Services.

## INTERPRETING THE RESULTS

There were no organized screening programmes in the territory until a mammography programme was implemented in 2010. Incidental screening has been available for longer, but there are no data on coverage rates until 2007 for Pap testing, 2009 for faecal immunochemical testing (FIT) and faecal occult blood testing (FOBT), and 2010 for mammography.

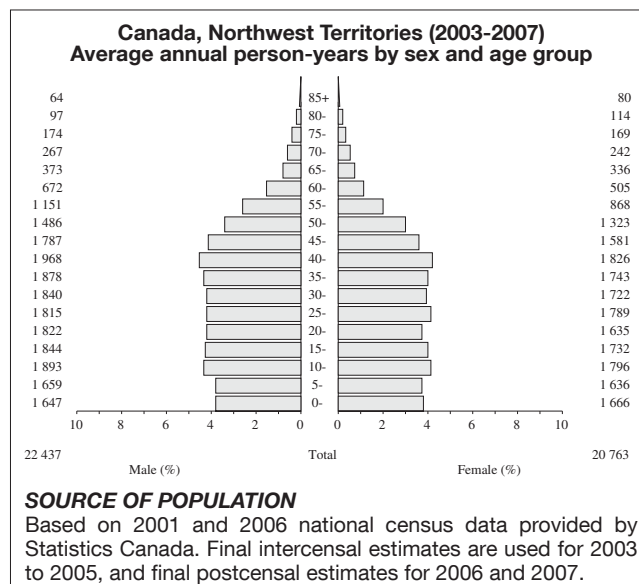
## USE OF THE DATA

Registry data are used for analysis and reporting. Due to the small population of the Northwest Territories,

cancer rates are calculated as 3- or 5-year averages, and the territory publishes a cancer report every 10 years, so that data can be aggregated to provide the statistical power necessary for comparative analysis. The most recent report, *Cancer in the Northwest Territories 2001–2010*, was released in early 2014 and includes Northwest Territories cancer incidence and mortality statistics, as well as information about cancer screening rates, cancer risk factors, and programmes and services offered in the Northwest Territories.

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## NOTES ON THE DATA

\*Rates based on low numbers due to small population. High MV%. Low DCO rates.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 82.6  | Breast                     | 85.6  |
| Trachea, bronchus and lung | 49.9  | Trachea, bronchus and lung | 48.4  |
| Colon                      | 41.3  | Colon                      | 21.5  |
| Rectum                     | 29.5  | Rectum                     | 20.4  |
| Non-Hodgkin lymphoma       | 16.5  | Corpus uteri               | 11.3  |
| Bladder                    | 9.3   | Thyroid                    | 9.1   |
| Pancreas                   | 8.1   | Bladder                    | 9.1   |
| Kidney                     | 6.9   | Stomach                    | 8.6   |
| Stomach                    | 6.4   | Kidney                     | 7.2   |
| Other and unspecified      | 5.9   | Cervix uteri               | 6.1   |
| All sites                  | 326.3 | All sites                  | 287.6 |

## \*Canada, Northwest Territories (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2         | 0.7       | 1.8                      | 2.2       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C00             |
| Tongue                       | 2         | 0.7       | 1.8                      | 2.1       | 0.05                     | 0.43      | 1         | 0.4                      | 1.0       | 0.7                      | 0.05   | 0.05  | C01-02          |
| Mouth                        | 3         | 1.0       | 2.7                      | 2.5       | 0.27                     | 0.27      | 1         | 0.4                      | 1.0       | 1.6                      | 0.20   | 0.20  | C03-06          |
| Salivary glands              | 3         | 1.0       | 2.7                      | 2.3       | 0.10                     | 0.10      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C07-08          |
| Tonsil                       | 3         | 1.0       | 2.7                      | 2.5       | 0.26                     | 0.26      | 1         | 0.4                      | 1.0       | 1.8                      | 0.00   | 0.30  | C09             |
| Other oropharynx             | 2         | 0.7       | 1.8                      | 1.9       | 0.24                     | 0.24      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 4         | 1.3       | 3.6                      | 4.1       | 0.26                     | 0.53      | 2         | 0.7                      | 1.9       | 2.4                      | 0.08   | 0.49  | C11             |
| Hypopharynx                  | 3         | 1.0       | 2.7                      | 3.6       | 0.45                     | 0.45      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C14             |
| Oesophagus                   | 3         | 1.0       | 2.7                      | 2.5       | 0.29                     | 0.29      | 1         | 0.4                      | 1.0       | 1.7                      | 0.00   | 0.41  | C15             |
| Stomach                      | 6         | 2.0       | 5.3                      | 6.4       | 0.35                     | 0.61      | 8         | 3.0                      | 7.7       | 8.6                      | 0.50   | 0.91  | C16             |
| Small intestine              | 1         | 0.3       | 0.9                      | 0.7       | 0.06                     | 0.06      | 1         | 0.4                      | 1.0       | 1.7                      | 0.00   | 0.41  | C17             |
| Colon                        | 34        | 11.4      | 30.3                     | 41.3      | 1.22                     | 5.62      | 18        | 6.7                      | 17.3      | 21.5                     | 0.57   | 2.82  | C18             |
| Rectum                       | 29        | 9.7       | 25.8                     | 29.5      | 1.34                     | 2.79      | 20        | 7.5                      | 19.3      | 20.4                     | 1.45   | 2.45  | C19-20          |
| Anus                         | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 2         | 0.7                      | 1.9       | 1.7                      | 0.18   | 0.18  | C21             |
| Liver                        | 2         | 0.7       | 1.8                      | 2.3       | 0.09                     | 0.36      | 2         | 0.7                      | 1.9       | 1.8                      | 0.23   | 0.23  | C22             |
| Gallbladder etc.             | 3         | 1.0       | 2.7                      | 3.8       | 0.15                     | 0.42      | 2         | 0.7                      | 1.9       | 1.6                      | 0.17   | 0.17  | C23-24          |
| Pancreas                     | 8         | 2.7       | 7.1                      | 8.1       | 0.44                     | 1.09      | 4         | 1.5                      | 3.9       | 5.1                      | 0.06   | 0.65  | C25             |
| Nose, sinuses etc.           | 2         | 0.7       | 1.8                      | 1.9       | 0.22                     | 0.22      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C30-31          |
| Larynx                       | 2         | 0.7       | 1.8                      | 1.3       | 0.14                     | 0.14      | 2         | 0.7                      | 1.9       | 2.4                      | 0.06   | 0.48  | C32             |
| Trachea, bronchus and lung   | 41        | 13.7      | 36.5                     | 49.9      | 1.38                     | 5.88      | 38        | 14.2                     | 36.6      | 48.4                     | 2.15   | 6.64  | C33-34          |
| Other thoracic organs        | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C37-38          |
| Bone                         | 1         | 0.3       | 0.9                      | 1.0       | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C40-41          |
| Melanoma of skin             | 5         | 1.7       | 4.5                      | 3.8       | 0.24                     | 0.24      | 5         | 1.9                      | 4.8       | 3.8                      | 0.36   | 0.36  | C43             |
| Other skin                   | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 1         | 0.4                      | 1.0       | 0.9                      | 0.12   | 0.12  | C44             |
| Mesothelioma                 | 1         | 0.3       | 0.9                      | 1.1       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 1         | 0.3       | 0.9                      | 1.1       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 2         | 0.7       | 1.8                      | 1.3       | 0.14                     | 0.14      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C47+C49         |
| Breast                       | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 87        | 32.5                     | 83.8      | 85.6                     | 6.40   | 9.95  | C50             |
| Vulva                        |           |           |                          |           |                          |           | 1         | 0.4                      | 1.0       | 1.2                      | 0.00   | 0.00  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 1         | 0.4                      | 1.0       | 1.7                      | 0.00   | 0.41  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 7         | 2.6                      | 6.7       | 6.1                      | 0.53   | 0.53  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 11        | 4.1                      | 10.6      | 11.3                     | 0.76   | 1.36  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 1         | 0.4                      | 1.0       | 0.7                      | 0.06   | 0.06  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 3         | 1.1                      | 2.9       | 2.4                      | 0.18   | 0.18  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 1         | 0.4                      | 1.0       | 0.9                      | 0.06   | 0.06  | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 70        | 23.4      | 62.4                     | 82.6      | 3.84                     | 11.18     |           |                          |           |                          |        |       | C61             |
| Testis                       | 6         | 2.0       | 5.3                      | 4.2       | 0.34                     | 0.34      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 7         | 2.3       | 6.2                      | 6.9       | 0.26                     | 0.90      | 6         | 2.2                      | 5.8       | 7.2                      | 0.29   | 1.00  | C64             |
| Renal pelvis                 | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C65             |
| Ureter                       | 1         | 0.3       | 0.9                      | 0.7       | 0.07                     | 0.07      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C66             |
| Bladder                      | 7         | 2.3       | 6.2                      | 9.3       | 0.22                     | 1.29      | 8         | 3.0                      | 7.7       | 9.1                      | 0.67   | 1.50  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 1         | 0.4                      | 1.0       | 1.2                      | 0.00   | 0.00  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 4         | 1.3       | 3.6                      | 2.9       | 0.25                     | 0.25      | 4         | 1.5                      | 3.9       | 4.5                      | 0.37   | 0.37  | C70-72          |
| Thyroid                      | 4         | 1.3       | 3.6                      | 3.3       | 0.31                     | 0.31      | 9         | 3.4                      | 8.7       | 9.1                      | 0.97   | 0.97  | C73             |
| Adrenal gland                | 1         | 0.3       | 0.9                      | 1.2       | 0.15                     | 0.15      | 1         | 0.4                      | 1.0       | 1.7                      | 0.00   | 0.41  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 1         | 0.3       | 0.9                      | 0.7       | 0.06                     | 0.06      | 1         | 0.4                      | 1.0       | 0.7                      | 0.06   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 15        | 5.0       | 13.4                     | 16.5      | 0.71                     | 2.16      | 5         | 1.9                      | 4.8       | 4.6                      | 0.34   | 0.34  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 3         | 1.0       | 2.7                      | 4.1       | 0.00                     | 0.75      | 1         | 0.4                      | 1.0       | 1.7                      | 0.00   | 0.41  | C90             |
| Lymphoid leukaemia           | 5         | 1.7       | 4.5                      | 5.1       | 0.29                     | 0.55      | 4         | 1.5                      | 3.9       | 3.7                      | 0.29   | 0.29  | C91             |
| Myeloid leukaemia            | 5         | 1.7       | 4.5                      | 4.0       | 0.25                     | 0.25      | 2         | 0.7                      | 1.9       | 2.5                      | 0.06   | 0.35  | C92-94          |
| Leukaemia unspecified        | 1         | 0.3       | 0.9                      | 0.9       | 0.05                     | 0.05      | 1         | 0.4                      | 1.0       | 1.2                      | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 1         | 0.3       | 0.9                      | 0.7       | 0.07                     | 0.07      | 2         | 0.7                      | 1.9       | 1.7                      | 0.11   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | MDS             |
| Other and unspecified        | 5         | 1.7       | 4.5                      | 5.9       | 0.26                     | 0.90      | 3         | 1.1                      | 2.9       | 2.9                      | 0.06   | 0.06  | O&U             |
| All sites                    | 299       |           | 266.5                    | 326.3     | 14.83                    | 39.42     | 269       |                          | 259.1     | 287.6                    | 17.39  | 35.31 | C00-96          |
| All sites except C44         | 299       | 100.0     | 266.5                    | 326.3     | 14.83                    | 39.42     | 268       | 100.0                    | 258.1     | 286.7                    | 17.27  | 35.20 | C00-96 exc. C44 |

\*See note following population pyramid

# Canada, Nova Scotia

## REGISTRATION AREA

The Nova Scotia Cancer Registry covers the province of Nova Scotia, which is located on Canada's east coast. Other than an isthmus connecting Nova Scotia to the adjacent province of New Brunswick, the province is completely surrounded by the Atlantic Ocean. Nova Scotia has an area of approximately 55 940 km<sup>2</sup>, and at the 2011 national census its population was 922 000, with 65% of residents living within a census metropolitan area.

## CANCER CARE FACILITIES

Nova Scotia residents are covered by a publicly funded comprehensive health insurance programme, which includes family physician visits and hospital-based care, accessed through a unique, lifetime-assigned health card number. Nine district health authorities, funded by the Nova Scotia Department of Health and Wellness (DHW), manage health care services (e.g. hospitals, home care, and public health) in their assigned geographical districts. Cancer care is highly centralized and is coordinated through a DHW provincial cancer programme. Two main cancer centres offer specialized treatment (e.g. radiation treatment services), with numerous satellite clinics throughout the province for specialist oncology referral, chemotherapy, and follow-up.

## REGISTRY STRUCTURE AND METHODS

Nova Scotia's population-based cancer registry is operated as part of the provincial cancer programme funded by the government; 14 programme staff members (registrars, analysts, and administrators) work with abstraction staff members located at cancer centres to collect data. Cancer has been a reportable disease in Nova Scotia since 1964, and multiple reporting sources (e.g. pathology laboratories, hospital records, and cancer centre referrals) are used to ensure completeness. As of 2004, standardized stage data are now part of routine data abstraction. Only limited treatment data are collected, but expansion of this function is planned. Routine linkage with vital statistics death data began with cases diagnosed in 1969. Nova Scotia follows the standards outlined by the Canadian Council of Cancer Registries.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 103.5 | Breast                     | 76.6  |
| Trachea, bronchus and lung | 58.3  | Trachea, bronchus and lung | 39.7  |
| Colon                      | 30.3  | Colon                      | 24.2  |
| Bladder                    | 22.8  | Corpus uteri               | 14.9  |
| Rectum                     | 20.0  | Melanoma of skin           | 13.2  |
| Non-Hodgkin lymphoma       | 15.1  | Non-Hodgkin lymphoma       | 11.2  |
| Melanoma of skin           | 14.9  | Thyroid                    | 10.0  |
| Kidney                     | 14.2  | Rectum                     | 9.7   |
| Other and unspecified      | 10.6  | Kidney                     | 8.7   |
| Stomach                    | 8.2   | Cervix uteri               | 8.1   |
| All sites                  | 383.0 | All sites                  | 286.0 |

## INTERPRETING THE RESULTS

Nova Scotia has organized, population-based screening programmes for several cancers. The cervical cancer screening programme began in 1992, the breast cancer screening programme began in 1991 and was phased in over time, and the colorectal cancer screening programme began in 2009 and is still being phased in.

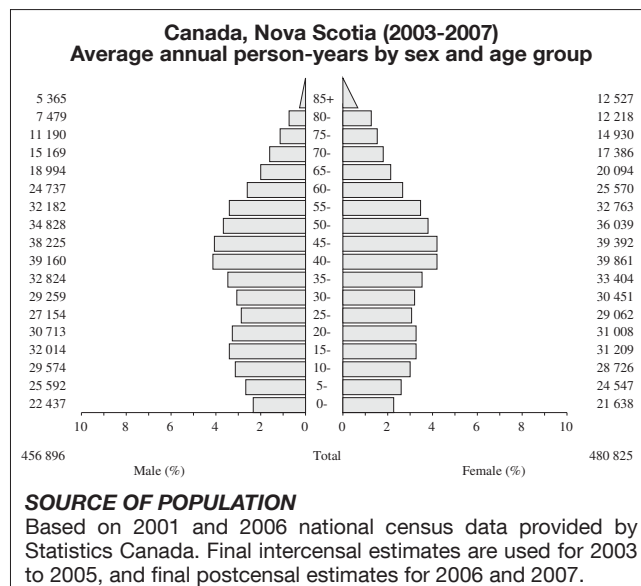
## USE OF THE DATA

Registry data are reported annually to the Canadian Cancer Registry and submitted to the North American Association of Central Cancer Registries (NAACCR) for certification and inclusion in the publication *Cancer in North America*. Provincial data (e.g. incidence, mortality, and survival data) are reported annually to local stakeholders and used for programme evaluation and planning purposes. Data are frequently made available for use in approved studies.

## CONTRIBUTORS

Maureen MacIntyre

Ron Dewar



## SOURCE OF POPULATION

Based on 2001 and 2006 national census data provided by Statistics Canada. Final intercensal estimates are used for 2003 to 2005, and final postcensal estimates for 2006 and 2007.

## NOTES ON THE DATA

†C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## Canada, Nova Scotia (2003-2007)

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 64        | 0.4       | 2.8                      | <b>1.8</b>   | 0.10                | 0.21                | 13        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.03                | C00                 |
| Tongue                       | 96        | 0.7       | 4.2                      | <b>2.7</b>   | 0.19                | 0.33                | 35        | 0.3       | 1.5                      | <b>0.8</b>   | 0.05   | 0.08                | C01-02              |
| Mouth                        | 64        | 0.4       | 2.8                      | <b>1.8</b>   | 0.13                | 0.21                | 54        | 0.4       | 2.2                      | <b>1.2</b>   | 0.07   | 0.13                | C03-06              |
| Salivary glands              | 21        | 0.1       | 0.9                      | <b>0.6</b>   | 0.04                | 0.07                | 14        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02   | 0.04                | C07-08              |
| Tonsil                       | 73        | 0.5       | 3.2                      | <b>2.1</b>   | 0.18                | 0.25                | 18        | 0.1       | 0.7                      | <b>0.5</b>   | 0.05   | 0.06                | C09                 |
| Other oropharynx             | 18        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C10                 |
| Nasopharynx                  | 15        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                | 0.05                | 6         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00   | 0.02                | C11                 |
| Hypopharynx                  | 30        | 0.2       | 1.3                      | <b>0.8</b>   | 0.03                | 0.11                | 10        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02   | 0.02                | C12-13              |
| Pharynx unspecified          | 14        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05                | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C14                 |
| Oesophagus                   | 222       | 1.5       | 9.7                      | <b>5.8</b>   | 0.30                | 0.73                | 69        | 0.6       | 2.9                      | <b>1.3</b>   | 0.05   | 0.15                | C15                 |
| Stomach                      | 328       | 2.2       | 14.4                     | <b>8.2</b>   | 0.42                | 0.90                | 155       | 1.2       | 6.4                      | <b>2.9</b>   | 0.13   | 0.34                | C16                 |
| Small intestine              | 54        | 0.4       | 2.4                      | <b>1.5</b>   | 0.06                | 0.19                | 46        | 0.4       | 1.9                      | <b>1.1</b>   | 0.06   | 0.14                | C17                 |
| Colon                        | 1234      | 8.4       | 54.0                     | <b>30.3</b>  | 1.30                | 3.55                | 1286      | 10.3      | 53.5                     | <b>24.2</b>  | 1.07   | 2.74                | C18                 |
| Rectum                       | 780       | 5.3       | 34.1                     | <b>20.0</b>  | 1.08                | 2.45                | 453       | 3.6       | 18.8                     | <b>9.7</b>   | 0.51   | 1.14                | C19-20              |
| Anus                         | 34        | 0.2       | 1.5                      | <b>0.9</b>   | 0.05                | 0.09                | 47        | 0.4       | 2.0                      | <b>1.1</b>   | 0.07   | 0.10                | C21                 |
| Liver                        | 122       | 0.8       | 5.3                      | <b>3.1</b>   | 0.18                | 0.41                | 52        | 0.4       | 2.2                      | <b>1.3</b>   | 0.06   | 0.13                | C22                 |
| Gallbladder etc.             | 91        | 0.6       | 4.0                      | <b>2.2</b>   | 0.08                | 0.23                | 110       | 0.9       | 4.6                      | <b>2.0</b>   | 0.09   | 0.25                | C23-24              |
| Pancreas                     | 308       | 2.1       | 13.5                     | <b>7.7</b>   | 0.38                | 0.88                | 334       | 2.7       | 13.9                     | <b>6.1</b>   | 0.28   | 0.66                | C25                 |
| Nose, sinuses etc.           | 21        | 0.1       | 0.9                      | <b>0.6</b>   | 0.03                | 0.08                | 12        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.03                | C30-31              |
| Larynx                       | 150       | 1.0       | 6.6                      | <b>4.0</b>   | 0.21                | 0.53                | 28        | 0.2       | 1.2                      | <b>0.7</b>   | 0.05   | 0.09                | C32                 |
| Trachea, bronchus and lung   | 2363      | 16.2      | 103.4                    | <b>58.3</b>  | 2.43                | 7.28                | 1816      | 14.5      | 75.5                     | <b>39.7</b>  | 2.07   | 5.20                | C33-34              |
| Other thoracic organs        | 17        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                | 0.05                | 8         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.03                | C37-38              |
| Bone                         | 20        | 0.1       | 0.9                      | <b>0.9</b>   | 0.06                | 0.06                | 21        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04   | 0.06                | C40-41              |
| Melanoma of skin             | 529       | 3.6       | 23.2                     | <b>14.9</b>  | 0.95                | 1.69                | 507       | 4.0       | 21.1                     | <b>13.2</b>  | 0.98   | 1.39                | C43                 |
| Other skin                   | 48        | 0.3       | 2.1                      | <b>1.2</b>   | 0.06                | 0.12                | 46        | 0.4       | 1.9                      | <b>1.0</b>   | 0.04   | 0.12                | C44                 |
| Mesothelioma                 | 43        | 0.3       | 1.9                      | <b>1.0</b>   | 0.03                | 0.10                | 16        | 0.1       | 0.7                      | <b>0.3</b>   | 0.02   | 0.04                | C45                 |
| Kaposi sarcoma               | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 96        | 0.7       | 4.2                      | <b>2.7</b>   | 0.16                | 0.26                | 83        | 0.7       | 3.5                      | <b>2.3</b>   | 0.14   | 0.22                | C47+C49             |
| Breast                       | 37        | 0.3       | 1.6                      | <b>0.9</b>   | 0.04                | 0.12                | 3226      | 25.8      | 134.2                    | <b>76.6</b>  | 5.18   | 8.82                | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 83        | 0.7       | 3.5                      | <b>1.8</b>   | 0.11   | 0.19                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 33        | 0.3       | 1.4                      | <b>0.7</b>   | 0.05   | 0.07                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 262       | 2.1       | 10.9                     | <b>8.1</b>   | 0.63   | 0.76                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 607       | 4.8       | 25.2                     | <b>14.9</b>  | 1.09   | 1.90                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 13        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01   | 0.02                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 320       | 2.6       | 13.3                     | <b>7.3</b>   | 0.46   | 0.84                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 21        | 0.2       | 0.9                      | <b>0.5</b>   | 0.03   | 0.07                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 1         | 0.0       | 0.0                      | <b>0.1</b>   | 0.00   | 0.00                | C58                 |
| Penis                        | 30        | 0.2       | 1.3                      | <b>0.8</b>   | 0.05                | 0.10                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 3969      | 27.1      | 173.7                    | <b>103.5</b> | 5.15                | 13.97               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 135       | 0.9       | 5.9                      | <b>5.8</b>   | 0.41                | 0.43                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.00                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 526       | 3.6       | 23.0                     | <b>14.2</b>  | 0.88                | 1.66                | 363       | 2.9       | 15.1                     | <b>8.7</b>   | 0.55   | 1.02                | C64                 |
| Renal pelvis                 | 22        | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                | 0.06                | 8         | 0.1       | 0.3                      | <b>0.1</b>   | 0.00   | 0.02                | C65                 |
| Ureter                       | 32        | 0.2       | 1.4                      | <b>0.7</b>   | 0.03                | 0.06                | 11        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01   | 0.02                | C66                 |
| †Bladder                     | 946       | 6.5       | 41.4                     | <b>22.8</b>  | 0.98                | 2.64                | 344       | 2.7       | 14.3                     | <b>6.9</b>   | 0.37   | 0.78                | C67                 |
| Other urinary organs         | 7         | 0.0       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01                | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00   | 0.00                | C68                 |
| Eye                          | 33        | 0.2       | 1.4                      | <b>1.0</b>   | 0.07                | 0.10                | 19        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03   | 0.04                | C69                 |
| Brain, nervous system        | 206       | 1.4       | 9.0                      | <b>6.7</b>   | 0.46                | 0.68                | 157       | 1.3       | 6.5                      | <b>4.3</b>   | 0.27   | 0.43                | C70-72              |
| Thyroid                      | 118       | 0.8       | 5.2                      | <b>3.6</b>   | 0.26                | 0.38                | 331       | 2.6       | 13.8                     | <b>10.0</b>  | 0.77   | 0.96                | C73                 |
| Adrenal gland                | 5         | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                | 0.02                | 7         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02   | 0.02                | C74                 |
| Other endocrine              | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C75                 |
| Hodgkin lymphoma             | 80        | 0.5       | 3.5                      | <b>3.3</b>   | 0.23                | 0.26                | 70        | 0.6       | 2.9                      | <b>2.7</b>   | 0.19   | 0.21                | C81                 |
| Non-Hodgkin lymphoma         | 553       | 3.8       | 24.2                     | <b>15.1</b>  | 0.90                | 1.70                | 488       | 3.9       | 20.3                     | <b>11.2</b>  | 0.69   | 1.26                | C82-85,C96          |
| Immunoproliferative diseases | 12        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.04                | 6         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C88                 |
| Multiple myeloma             | 155       | 1.1       | 6.8                      | <b>3.8</b>   | 0.18                | 0.46                | 125       | 1.0       | 5.2                      | <b>2.5</b>   | 0.15   | 0.30                | C90                 |
| Lymphoid leukaemia           | 191       | 1.3       | 8.4                      | <b>5.9</b>   | 0.31                | 0.60                | 140       | 1.1       | 5.8                      | <b>3.7</b>   | 0.19   | 0.38                | C91                 |
| Myeloid leukaemia            | 147       | 1.0       | 6.4                      | <b>4.1</b>   | 0.23                | 0.43                | 110       | 0.9       | 4.6                      | <b>2.3</b>   | 0.12   | 0.21                | C92-94              |
| Leukaemia unspecified        | 32        | 0.2       | 1.4                      | <b>0.9</b>   | 0.04                | 0.08                | 30        | 0.2       | 1.2                      | <b>0.6</b>   | 0.02   | 0.06                | C95                 |
| Myeloproliferative disorders | 58        | 0.4       | 2.5                      | <b>1.6</b>   | 0.08                | 0.20                | 58        | 0.5       | 2.4                      | <b>1.3</b>   | 0.06   | 0.15                | MPD                 |
| Myelodysplastic syndromes    | 65        | 0.4       | 2.8                      | <b>1.5</b>   | 0.04                | 0.16                | 62        | 0.5       | 2.6                      | <b>1.0</b>   | 0.03   | 0.09                | MDS                 |
| Other and unspecified        | 443       | 3.0       | 19.4                     | <b>10.6</b>  | 0.43                | 1.16                | 428       | 3.4       | 17.8                     | <b>7.3</b>   | 0.33   | 0.76                | O&U                 |
| All sites                    | 14669     |           | 642.1                    | <b>383.0</b> | 19.41               | 46.28               | 12574     |           | 523.0                    | <b>286.0</b> | 17.29  | 32.66               | C00-96              |
| All sites except C44         | 14621     | 100.0     | 640.0                    | <b>381.9</b> | 19.36               | 46.16               | 12528     | 100.0     | 521.1                    | <b>285.1</b> | 17.25  | 32.55               | C00-96 exc. C44     |

† See note following population pyramid



# Canada, Ontario

## REGISTRATION AREA

The Ontario Cancer Registry (OCR) covers the entire population of the Canadian province of Ontario.

## CANCER CARE FACILITIES

The Ontario cancer care system is organized into Regional Cancer Programs (RCPs) corresponding with the province's 14 Local Health Integration Networks (LHINs). RCPs are networks of health care providers (including regional cancer centres) and stakeholders (including patient groups involved in providing cancer prevention, screening, diagnostic, and treatment services) in the LHINs. Each RCP is led by a Cancer Care Ontario Regional Vice President, who also leads that LHIN's regional cancer centre (RCC). Ontario's RCPs were established in 2005 to respond to local cancer issues and needs; to meet provincial quality standards for cancer services locally; and to improve wait times, access, and quality of services by managing and coordinating care across local and regional providers – including hospitals, Community Care Access Centres (CCACs), public health care facilities, and primary care facilities.

## REGISTRY STRUCTURE AND METHODS

The OCR is a computerized database of information about all Ontario residents who have been newly diagnosed with cancer (incidence data) or who have died of cancer (mortality data). All new cases of cancer are registered, except cases of non-melanoma skin cancer. Close to 400 000 records are submitted to the OCR each year. Cancer is not a reportable disease in Ontario; therefore, submission of data to the OCR is voluntary.

## INTERPRETING THE RESULTS

There are three Ontario-wide cancer screening programmes, for breast, cervical, and colorectal cancer. These programmes are administered by Cancer Care Ontario. The Ontario Breast Screening Program (OBSP) provides screening mammography services for women aged 50–74 years who are at average risk of developing the disease, and for women aged 30–69 years who are at high risk. Women at average risk are offered mammography once every 2 years. The Ontario Cervical Screening Program recommends

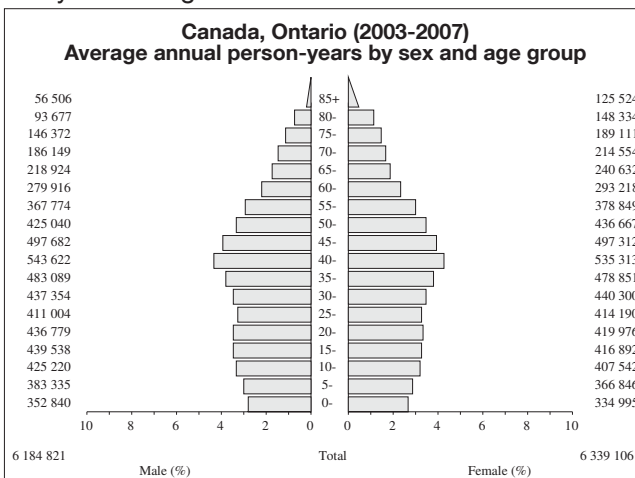
Pap testing every 3 years (starting at age 21 years) for all women who are or have ever been sexually active. Pap testing can stop at age 70 years for women who have had three or more normal tests in the previous 10 years. Ontario's ColonCancerCheck screening programme offers faecal occult blood testing (FOBT) every 2 years to residents aged 50 years or more who are at average risk.

## USE OF THE DATA

OCR data are used for the following purposes: surveillance (examination of trends in cancer incidence and mortality rates and analysis of geographical variation in cancer rates across the province); dissemination of data to the Canadian Cancer Registry at Statistics Canada (annually), the North American Association of Central Cancer Registries (annually), and IARC; population-based epidemiological studies; research studies; linkage of data to other databases, such as the OBSP's Integrated Client Management System; and annual reporting of cancer statistics to the public.

## CONTRIBUTORS

Mary Jane King Diane Nishri



## SOURCE OF POPULATION

Based on 2001 and 2006 national census data provided by Statistics Canada. Final intercensal estimates are used for 2003 to 2005, and final postcensal estimates for 2006 and 2007.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 97.7  | Breast                     | 78.5  |
| Trachea, bronchus and lung | 41.7  | Trachea, bronchus and lung | 30.6  |
| Colon                      | 26.6  | Colon                      | 20.1  |
| Non-Hodgkin lymphoma       | 14.7  | Thyroid                    | 18.1  |
| Rectum                     | 14.1  | Corpus uteri               | 16.1  |
| Bladder                    | 13.4  | Non-Hodgkin lymphoma       | 10.7  |
| Melanoma of skin           | 11.9  | Melanoma of skin           | 10.2  |
| Other and unspecified      | 11.1  | Ovary                      | 10.0  |
| Kidney                     | 9.9   | Other and unspecified      | 8.3   |
| Stomach                    | 7.3   | Rectum                     | 7.4   |
| All sites                  | 330.9 | All sites                  | 274.6 |

## Canada, Ontario (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 500       | 0.3       | 1.6                      | <b>1.0</b>   | 0.05                     | 0.12      | 195       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C00             |
| Tongue                       | 1056      | 0.7       | 3.4                      | <b>2.4</b>   | 0.18                     | 0.28      | 516       | 0.4                      | 1.6       | <b>1.0</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 768       | 0.5       | 2.5                      | <b>1.7</b>   | 0.11                     | 0.21      | 532       | 0.4                      | 1.7       | <b>1.0</b>               | 0.05   | 0.11  | C03-06          |
| Salivary glands              | 540       | 0.4       | 1.7                      | <b>1.2</b>   | 0.07                     | 0.12      | 374       | 0.3                      | 1.2       | <b>0.8</b>               | 0.05   | 0.09  | C07-08          |
| Tonsil                       | 614       | 0.4       | 2.0                      | <b>1.4</b>   | 0.11                     | 0.18      | 186       | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 163       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.05      | 56        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 324       | 0.2       | 1.0                      | <b>0.8</b>   | 0.06                     | 0.08      | 158       | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C11             |
| Hypopharynx                  | 299       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.08      | 57        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 191       | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 91        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 2076      | 1.4       | 6.7                      | <b>4.4</b>   | 0.24                     | 0.54      | 757       | 0.5                      | 2.4       | <b>1.2</b>               | 0.05   | 0.14  | C15             |
| Stomach                      | 3503      | 2.3       | 11.3                     | <b>7.3</b>   | 0.34                     | 0.85      | 2015      | 1.4                      | 6.4       | <b>3.3</b>               | 0.16   | 0.36  | C16             |
| Small intestine              | 610       | 0.4       | 2.0                      | <b>1.3</b>   | 0.07                     | 0.16      | 501       | 0.4                      | 1.6       | <b>0.9</b>               | 0.06   | 0.11  | C17             |
| Colon                        | 12765     | 8.4       | 41.3                     | <b>26.6</b>  | 1.21                     | 3.25      | 12327     | 8.7                      | 38.9      | <b>20.1</b>              | 0.92   | 2.33  | C18             |
| Rectum                       | 6535      | 4.3       | 21.1                     | <b>14.1</b>  | 0.77                     | 1.75      | 4200      | 3.0                      | 13.3      | <b>7.4</b>               | 0.41   | 0.87  | C19-20          |
| Anus                         | 585       | 0.4       | 1.9                      | <b>1.3</b>   | 0.07                     | 0.15      | 693       | 0.5                      | 2.2       | <b>1.4</b>               | 0.09   | 0.16  | C21             |
| Liver                        | 2134      | 1.4       | 6.9                      | <b>4.7</b>   | 0.29                     | 0.57      | 800       | 0.6                      | 2.5       | <b>1.5</b>               | 0.07   | 0.17  | C22             |
| Gallbladder etc.             | 813       | 0.5       | 2.6                      | <b>1.7</b>   | 0.07                     | 0.21      | 969       | 0.7                      | 3.1       | <b>1.6</b>               | 0.07   | 0.19  | C23-24          |
| Pancreas                     | 3029      | 2.0       | 9.8                      | <b>6.4</b>   | 0.32                     | 0.78      | 3184      | 2.3                      | 10.0      | <b>5.0</b>               | 0.22   | 0.56  | C25             |
| Nose, sinuses etc.           | 226       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.05      | 167       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 1602      | 1.1       | 5.2                      | <b>3.5</b>   | 0.20                     | 0.45      | 351       | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.09  | C32             |
| Trachea, bronchus and lung   | 20111     | 13.3      | 65.0                     | <b>41.7</b>  | 1.81                     | 5.26      | 17002     | 12.0                     | 53.6      | <b>30.6</b>              | 1.57   | 3.92  | C33-34          |
| Other thoracic organs        | 204       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.05      | 166       | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C37-38          |
| Bone                         | 389       | 0.3       | 1.3                      | <b>1.1</b>   | 0.07                     | 0.09      | 296       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 5370      | 3.5       | 17.4                     | <b>11.9</b>  | 0.73                     | 1.33      | 4782      | 3.4                      | 15.1      | <b>10.2</b>              | 0.72   | 1.04  | C43             |
| Other skin                   | 78        | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 82        | 0.0                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C44             |
| Mesothelioma                 | 567       | 0.4       | 1.8                      | <b>1.2</b>   | 0.05                     | 0.16      | 116       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 57        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 10        | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 1231      | 0.8       | 4.0                      | <b>3.0</b>   | 0.18                     | 0.29      | 957       | 0.7                      | 3.0       | <b>2.2</b>               | 0.15   | 0.21  | C47+C49         |
| Breast                       | 353       | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                     | 0.08      | 38469     | 27.2                     | 121.4     | <b>78.5</b>              | 5.65   | 9.06  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 827       | 0.6                      | 2.6       | <b>1.4</b>               | 0.08   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 251       | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 2644      | 1.9                      | 8.3       | <b>6.2</b>               | 0.49   | 0.59  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 7844      | 5.5                      | 24.7      | <b>16.1</b>              | 1.16   | 2.02  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 260       | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.05  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 4927      | 3.5                      | 15.5      | <b>10.0</b>              | 0.68   | 1.12  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 578       | 0.4                      | 1.8       | <b>1.2</b>               | 0.08   | 0.14  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 15        | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 233       | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 44308     | 29.3      | 143.3                    | <b>97.7</b>  | 4.89                     | 13.26     |           |                          |           |                          |        |       | C61             |
| Testis                       | 1630      | 1.1       | 5.3                      | <b>4.8</b>   | 0.35                     | 0.37      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 92        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 4364      | 2.9       | 14.1                     | <b>9.9</b>   | 0.65                     | 1.16      | 2920      | 2.1                      | 9.2       | <b>5.7</b>               | 0.35   | 0.66  | C64             |
| Renal pelvis                 | 166       | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.04      | 165       | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 171       | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                     | 0.04      | 118       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 6722      | 4.4       | 21.7                     | <b>13.4</b>  | 0.51                     | 1.56      | 2407      | 1.7                      | 7.6       | <b>3.7</b>               | 0.16   | 0.42  | C67             |
| Other urinary organs         | 766       | 0.5       | 2.5                      | <b>1.6</b>   | 0.06                     | 0.19      | 255       | 0.2                      | 0.8       | <b>0.4</b>               | 0.02   | 0.05  | C68             |
| Eye                          | 287       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.07      | 231       | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.05  | C69             |
| Brain, nervous system        | 2626      | 1.7       | 8.5                      | <b>6.7</b>   | 0.41                     | 0.69      | 2074      | 1.5                      | 6.5       | <b>4.9</b>               | 0.31   | 0.47  | C70-72          |
| Thyroid                      | 1914      | 1.3       | 6.2                      | <b>4.8</b>   | 0.36                     | 0.49      | 7289      | 5.2                      | 23.0      | <b>18.1</b>              | 1.46   | 1.73  | C73             |
| Adrenal gland                | 113       | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 139       | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 76        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 69        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 962       | 0.6       | 3.1                      | <b>2.8</b>   | 0.19                     | 0.23      | 796       | 0.6                      | 2.5       | <b>2.3</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 6553      | 4.3       | 21.2                     | <b>14.7</b>  | 0.84                     | 1.65      | 5629      | 4.0                      | 17.8      | <b>10.7</b>              | 0.64   | 1.22  | C82-85,C96      |
| Immunoproliferative diseases | 79        | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                     | 0.02      | 35        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 2113      | 1.4       | 6.8                      | <b>4.3</b>   | 0.22                     | 0.49      | 1857      | 1.3                      | 5.9       | <b>3.1</b>               | 0.15   | 0.37  | C90             |
| Lymphoid leukaemia           | 2935      | 1.9       | 9.5                      | <b>7.3</b>   | 0.37                     | 0.73      | 1920      | 1.4                      | 6.1       | <b>4.1</b>               | 0.20   | 0.39  | C91             |
| Myeloid leukaemia            | 1727      | 1.1       | 5.6                      | <b>3.8</b>   | 0.19                     | 0.39      | 1417      | 1.0                      | 4.5       | <b>2.8</b>               | 0.16   | 0.29  | C92-94          |
| Leukaemia unspecified        | 318       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                     | 0.05      | 328       | 0.2                      | 1.0       | <b>0.5</b>               | 0.02   | 0.04  | C95             |
| Myeloproliferative disorders | 661       | 0.4       | 2.1                      | <b>1.4</b>   | 0.07                     | 0.16      | 607       | 0.4                      | 1.9       | <b>1.1</b>               | 0.06   | 0.13  | MPD             |
| Myelodysplastic syndromes    | 525       | 0.3       | 1.7                      | <b>1.0</b>   | 0.03                     | 0.11      | 367       | 0.3                      | 1.2       | <b>0.6</b>               | 0.02   | 0.06  | MDS             |
| Other and unspecified        | 5474      | 3.6       | 17.7                     | <b>11.1</b>  | 0.48                     | 1.18      | 5505      | 3.9                      | 17.4      | <b>8.3</b>               | 0.36   | 0.84  | O&U             |
| All sites                    | 151508    |           | 489.9                    | <b>330.9</b> | 16.99                    | 40.23     | 141483    |                          | 446.4     | <b>274.6</b>             | 17.28  | 31.01 | C00-96          |
| All sites except C44         | 151430    | 100.0     | 489.7                    | <b>330.7</b> | 16.98                    | 40.21     | 141401    | 100.0                    | 446.1     | <b>274.4</b>             | 17.26  | 30.99 | C00-96 exc. C44 |

# Canada, Prince Edward Island

## REGISTRATION AREA

The Prince Edward Island Cancer Registry covers all of the Canadian province of Prince Edward Island, which is situated in the south-west of the Gulf of Saint Lawrence. At the 2011 census, the province's population was 140 000, with 58% of residents living in Charlottetown or Summerside. In 2012, it was estimated that 48.8% of the population was male and 51.2% female. The large majority of the population of Prince Edward Island is of British origin, followed by French origin, with smaller numbers of residents of other European origins.

## CANCER CARE FACILITIES

The registry is located in the Prince Edward Island Cancer Treatment Centre at the Queen Elizabeth Hospital in Charlottetown, and is part of Health PEI, the province's health system. The Prince Edward Island Cancer Treatment Centre houses two linear accelerators and provides all radiotherapy services for the province. Medical oncology services are also offered at the centre, as well as in two satellite centres – Prince County Hospital in Summerside and Kings County Memorial Hospital in Montague.

## REGISTRY STRUCTURE AND METHODS

The registry began operation in 1969. Cancer is a reportable disease in the province, as per the province's Public Health Act. The registry staff consists of a full-time registry manager and two full-time cancer registrars. The information collected includes demographics, cancer-specific diagnostic information, stage at diagnosis, and some treatment information. The registry's main data source is pathology reports with a diagnosis of cancer, which are received electronically. Approximately 95% of all cancers in Prince Edward Island are captured by this method. Other data sources consist of cancer treatment centre charts, hospital discharge data, death notifications, and notifications from other provinces. The province has an Electronic Health Records system, which has greatly improved the follow-up and trace-back processes for cancer abstracting and has allowed the registry to expand its data collection to include staging on a population basis, starting with the 2009 diagnosis year. Collection of some treatment data also began that year.

## INTERPRETING THE RESULTS

The Prince Edward Island Breast Screening Program was established in 1998, and the screening database

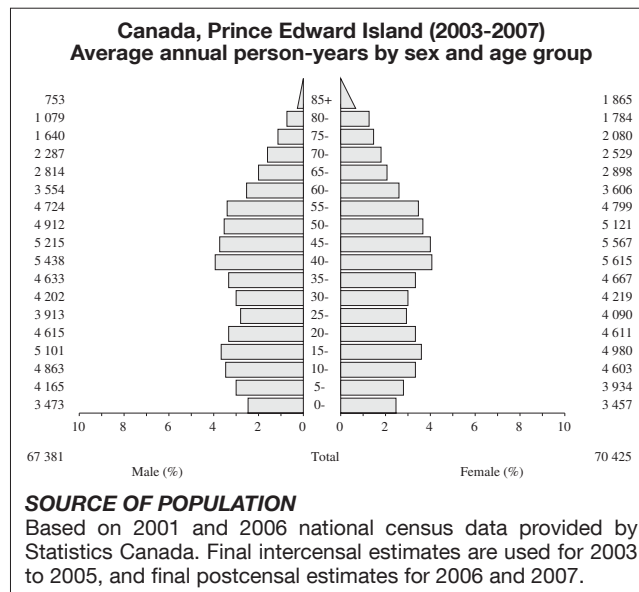
stores information about screening events. The programme provides these data annually to the Public Health Agency of Canada (PHAC) for inclusion in the Canadian Breast Cancer Screening Database. The Prince Edward Island Colorectal Cancer Screening Program targets men and women at average risk of colorectal cancer and screens individuals every 2 years using the faecal immunochemical test (FIT). This programme was launched provincially in the spring of 2011 and has an uptake of about 15% of the eligible population. Prince Edward Island does not have an organized cervical cancer screening programme, but Pap tests are available through primary health care providers and the Prince Edward Island Pap Screening Clinic. A review of the Pap tests administered from 2009 to 2011 showed that the cervical cancer screening rate in the province was 67%. Prince Edward Island's Cervical Cancer Screening Guidelines were revised in October 2013.

## USE OF THE DATA

The report *Prince Edward Island Cancer Trends 1980–2009* was released in 2012. It reports trends in cancer incidence, mortality, and survival in the province.

## CONTRIBUTOR

Kim Vriends



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 125.2 | Breast                     | 75.9  |
| Trachea, bronchus and lung | 51.2  | Trachea, bronchus and lung | 39.5  |
| Colon                      | 26.0  | Colon                      | 22.4  |
| Bladder                    | 20.5  | Corpus uteri               | 15.5  |
| Rectum                     | 19.1  | Melanoma of skin           | 13.3  |
| Non-Hodgkin lymphoma       | 16.0  | Non-Hodgkin lymphoma       | 11.2  |
| Melanoma of skin           | 14.8  | Rectum                     | 10.4  |
| Kidney                     | 14.3  | Cervix uteri               | 7.8   |
| Lymphoid leukaemia         | 10.6  | Ovary                      | 6.8   |
| Other and unspecified      | 8.7   | Kidney                     | 6.6   |
| All sites                  | 398.0 | All sites                  | 276.8 |

## Canada, Prince Edward Island (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 8         | 0.4       | 2.4                      | <b>1.3</b>   | 0.10                     | 0.10      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 9         | 0.4       | 2.7                      | <b>1.6</b>   | 0.11                     | 0.19      | 5         | 0.3                      | 1.4       | <b>0.8</b>               | 0.02   | 0.13  | C01-02          |
| Mouth                        | 8         | 0.4       | 2.4                      | <b>1.7</b>   | 0.09                     | 0.20      | 15        | 0.9                      | 4.3       | <b>2.4</b>               | 0.15   | 0.29  | C03-06          |
| Salivary glands              | 1         | 0.0       | 0.3                      | <b>0.1</b>   | 0.00                     | 0.00      | 5         | 0.3                      | 1.4       | <b>0.6</b>               | 0.05   | 0.05  | C07-08          |
| Tonsil                       | 8         | 0.4       | 2.4                      | <b>1.6</b>   | 0.13                     | 0.20      | 2         | 0.1                      | 0.6       | <b>0.4</b>               | 0.04   | 0.04  | C09             |
| Other oropharynx             | 1         | 0.0       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 1         | 0.0       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 5         | 0.2       | 1.5                      | <b>1.0</b>   | 0.08                     | 0.12      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 2         | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.07      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 27        | 1.2       | 8.0                      | <b>5.0</b>   | 0.32                     | 0.63      | 9         | 0.5                      | 2.6       | <b>1.2</b>               | 0.05   | 0.12  | C15             |
| Stomach                      | 35        | 1.6       | 10.4                     | <b>6.1</b>   | 0.29                     | 0.73      | 27        | 1.6                      | 7.7       | <b>4.3</b>               | 0.13   | 0.58  | C16             |
| Small intestine              | 7         | 0.3       | 2.1                      | <b>1.2</b>   | 0.07                     | 0.15      | 10        | 0.6                      | 2.8       | <b>1.4</b>               | 0.09   | 0.13  | C17             |
| Colon                        | 157       | 7.2       | 46.6                     | <b>26.0</b>  | 1.03                     | 3.11      | 172       | 10.0                     | 48.8      | <b>22.4</b>              | 0.97   | 2.58  | C18             |
| Rectum                       | 108       | 4.9       | 32.1                     | <b>19.1</b>  | 1.13                     | 2.35      | 70        | 4.1                      | 19.9      | <b>10.4</b>              | 0.62   | 1.22  | C19-20          |
| Anus                         | 2         | 0.1       | 0.6                      | <b>0.4</b>   | 0.04                     | 0.04      | 8         | 0.5                      | 2.3       | <b>1.5</b>               | 0.10   | 0.17  | C21             |
| Liver                        | 24        | 1.1       | 7.1                      | <b>4.5</b>   | 0.15                     | 0.47      | 6         | 0.3                      | 1.7       | <b>1.0</b>               | 0.09   | 0.13  | C22             |
| Gallbladder etc.             | 6         | 0.3       | 1.8                      | <b>1.1</b>   | 0.05                     | 0.17      | 17        | 1.0                      | 4.8       | <b>2.2</b>               | 0.04   | 0.30  | C23-24          |
| Pancreas                     | 49        | 2.2       | 14.5                     | <b>8.6</b>   | 0.41                     | 1.18      | 43        | 2.5                      | 12.2      | <b>5.0</b>               | 0.27   | 0.49  | C25             |
| Nose, sinuses etc.           | 3         | 0.1       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.10      | 2         | 0.1                      | 0.6       | <b>0.2</b>               | 0.02   | 0.02  | C30-31          |
| Larynx                       | 26        | 1.2       | 7.7                      | <b>4.9</b>   | 0.30                     | 0.66      | 3         | 0.2                      | 0.9       | <b>0.6</b>               | 0.03   | 0.10  | C32             |
| Trachea, bronchus and lung   | 308       | 14.1      | 91.4                     | <b>51.2</b>  | 2.04                     | 6.29      | 253       | 14.7                     | 71.8      | <b>39.5</b>              | 2.04   | 5.12  | C33-34          |
| Other thoracic organs        | 2         | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.04      | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.03  | C37-38          |
| Bone                         | 2         | 0.1       | 0.6                      | <b>0.9</b>   | 0.04                     | 0.04      | 2         | 0.1                      | 0.6       | <b>0.6</b>               | 0.04   | 0.04  | C40-41          |
| Melanoma of skin             | 79        | 3.6       | 23.4                     | <b>14.8</b>  | 0.88                     | 1.63      | 71        | 4.1                      | 20.2      | <b>13.3</b>              | 0.90   | 1.33  | C43             |
| Other skin                   | 6         | 0.3       | 1.8                      | <b>1.2</b>   | 0.10                     | 0.10      | 7         | 0.4                      | 2.0       | <b>0.9</b>               | 0.04   | 0.08  | C44             |
| Mesothelioma                 | 5         | 0.2       | 1.5                      | <b>0.8</b>   | 0.05                     | 0.05      | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.03  | C45             |
| Kaposi sarcoma               | 1         | 0.0       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 8         | 0.4       | 2.4                      | <b>1.6</b>   | 0.10                     | 0.18      | 7         | 0.4                      | 2.0       | <b>1.5</b>               | 0.05   | 0.13  | C47+C49         |
| Breast                       | 4         | 0.2       | 1.2                      | <b>0.6</b>   | 0.02                     | 0.02      | 449       | 26.0                     | 127.5     | <b>75.9</b>              | 5.30   | 8.87  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 7         | 0.4                      | 2.0       | <b>0.8</b>               | 0.05   | 0.09  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 3         | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 39        | 2.3                      | 11.1      | <b>7.8</b>               | 0.62   | 0.77  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 88        | 5.1                      | 25.0      | <b>15.5</b>              | 1.16   | 1.89  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 2         | 0.1                      | 0.6       | <b>0.2</b>               | 0.02   | 0.02  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 42        | 2.4                      | 11.9      | <b>6.8</b>               | 0.37   | 0.82  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 3         | 0.1       | 0.9                      | <b>0.5</b>   | 0.04                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 687       | 31.4      | 203.9                    | <b>125.2</b> | 6.55                     | 16.84     |           |                          |           |                          |        |       | C61             |
| Testis                       | 17        | 0.8       | 5.0                      | <b>4.6</b>   | 0.33                     | 0.37      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.0       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 73        | 3.3       | 21.7                     | <b>14.3</b>  | 0.94                     | 1.78      | 40        | 2.3                      | 11.4      | <b>6.6</b>               | 0.38   | 0.83  | C64             |
| Renal pelvis                 | 7         | 0.3       | 2.1                      | <b>1.2</b>   | 0.04                     | 0.16      | 2         | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.07  | C65             |
| Ureter                       | 1         | 0.0       | 0.3                      | <b>0.1</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 123       | 5.6       | 36.5                     | <b>20.5</b>  | 0.74                     | 2.29      | 43        | 2.5                      | 12.2      | <b>6.1</b>               | 0.28   | 0.75  | C67             |
| Other urinary organs         | 2         | 0.1       | 0.6                      | <b>0.3</b>   | 0.00                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 2         | 0.1       | 0.6                      | <b>0.4</b>   | 0.04                     | 0.04      | 1         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 36        | 1.6       | 10.7                     | <b>7.7</b>   | 0.49                     | 0.88      | 24        | 1.4                      | 6.8       | <b>4.8</b>               | 0.30   | 0.48  | C70-72          |
| Thyroid                      | 21        | 1.0       | 6.2                      | <b>5.7</b>   | 0.33                     | 0.55      | 26        | 1.5                      | 7.4       | <b>5.7</b>               | 0.44   | 0.52  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 8         | 0.4       | 2.4                      | <b>2.3</b>   | 0.14                     | 0.18      | 4         | 0.2                      | 1.1       | <b>1.3</b>               | 0.08   | 0.08  | C81             |
| Non-Hodgkin lymphoma         | 81        | 3.7       | 24.0                     | <b>16.0</b>  | 0.98                     | 1.95      | 69        | 4.0                      | 19.6      | <b>11.2</b>              | 0.67   | 1.27  | C82-85,C96      |
| Immunoproliferative diseases | 5         | 0.2       | 1.5                      | <b>0.9</b>   | 0.00                     | 0.16      | 5         | 0.3                      | 1.4       | <b>0.6</b>               | 0.02   | 0.06  | C88             |
| Multiple myeloma             | 41        | 1.9       | 12.2                     | <b>7.4</b>   | 0.44                     | 0.87      | 16        | 0.9                      | 4.5       | <b>2.7</b>               | 0.18   | 0.36  | C90             |
| Lymphoid leukaemia           | 47        | 2.1       | 14.0                     | <b>10.6</b>  | 0.61                     | 1.00      | 20        | 1.2                      | 5.7       | <b>3.5</b>               | 0.13   | 0.38  | C91             |
| Myeloid leukaemia            | 33        | 1.5       | 9.8                      | <b>6.1</b>   | 0.27                     | 0.69      | 20        | 1.2                      | 5.7       | <b>3.9</b>               | 0.23   | 0.27  | C92-94          |
| Leukaemia unspecified        | 3         | 0.1       | 0.9                      | <b>0.4</b>   | 0.00                     | 0.04      | 2         | 0.1                      | 0.6       | <b>0.2</b>               | 0.00   | 0.04  | C95             |
| Myeloproliferative disorders | 15        | 0.7       | 4.5                      | <b>2.8</b>   | 0.18                     | 0.39      | 18        | 1.0                      | 5.1       | <b>2.5</b>               | 0.07   | 0.33  | MPD             |
| Myelodysplastic syndromes    | 28        | 1.3       | 8.3                      | <b>4.6</b>   | 0.11                     | 0.56      | 15        | 0.9                      | 4.3       | <b>2.2</b>               | 0.02   | 0.28  | MDS             |
| Other and unspecified        | 58        | 2.7       | 17.2                     | <b>8.7</b>   | 0.38                     | 0.65      | 56        | 3.2                      | 15.9      | <b>6.5</b>               | 0.18   | 0.73  | O&U             |
| All sites                    | 2194      |           | 651.2                    | <b>398.0</b> | 20.30                    | 48.34     | 1731      |                          | 491.6     | <b>276.8</b>             | 16.30  | 32.13 | C00-96          |
| All sites except C44         | 2188      | 100.0     | 649.5                    | <b>396.8</b> | 20.19                    | 48.24     | 1724      | 100.0                    | 489.6     | <b>275.9</b>             | 16.26  | 32.04 | C00-96 exc. C44 |

# Canada, Quebec

## REGISTRATION AREA

The Quebec Cancer Registry covers the population of the Canadian province of Quebec. Of the province's vast area of 1 667 441 km<sup>2</sup>, only 2.3% serves as urban or agricultural land. At the 2011 census, the population of Quebec was 8 million, with 21.6% of residents aged less than 26 years and 15.7% aged 65 years or more. Approximately 80% of residents live in urban areas. French is the mother tongue of 79% of the population, and life expectancy at birth is 79 years for males and 83 years for females.

## CANCER CARE FACILITIES

In Quebec, health services have been available to the whole population through a comprehensive public system since 1970. A total of 70 hospital facilities provide diagnosis and treatment of cancer. Of those, 11 offer radiation oncology services.

## REGISTRY STRUCTURE AND METHODS

The registry is maintained by Quebec's Ministry of Health and Social Services. Notification of cancer is mandatory under the province's Public Health Act. Before 2011, cancer cases were only reported following hospitalization or a visit to the outpatient surgery unit of a hospital offering general short-term specialized care, or using death certificates. Since 2011, pathology reports have also been used to collect cancer cases. Information about extent of disease, stage, and treatment is not yet collected, but there are plans to begin collecting these types of data for high-priority cancers (i.e. those of the breast, prostate, colorectum, and lung) starting with 2014 cases.

## INTERPRETING THE RESULTS

Until 2011, due to the fact that hospitalization data were the primary source of information about cancer cases, three types of cancer not typically requiring hospitalization or outpatient surgery were significantly underreported; about 35% of melanoma cases, 32% of bladder cancer cases, and 33% of prostate cancer cases were not reported to the registry. Since 1997, a breast cancer screening programme has been

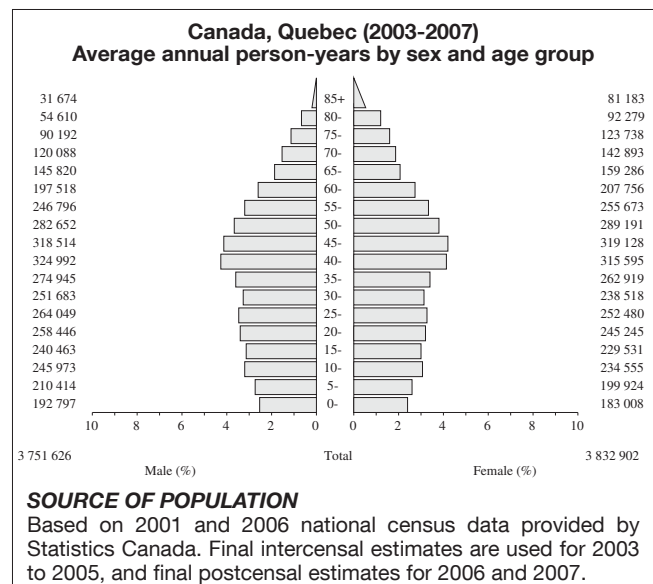
available for women aged 50–69 years. A pilot project for colorectal cancer screening is under way.

## USES OF THE DATA

Registry data are used mainly for monitoring, surveillance, prevention, programme evaluation, and research. Special reports on cancer survival, prevalence, data quality, and projections are published periodically. Specific databases for regional cancer surveillance are produced annually, and a variety of statistics are made available for general and specific purposes.

## CONTRIBUTORS

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## NOTES ON THE DATA

\*Low MV%. †C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 70.6  | Breast                     | 80.3  |
| Trachea, bronchus and lung | 64.5  | Trachea, bronchus and lung | 40.8  |
| Colon                      | 26.7  | Colon                      | 20.0  |
| Bladder                    | 26.0  | Corpus uteri               | 13.9  |
| Rectum                     | 17.7  | Thyroid                    | 12.0  |
| Non-Hodgkin lymphoma       | 13.7  | Non-Hodgkin lymphoma       | 9.9   |
| Kidney                     | 11.5  | Rectum                     | 9.1   |
| Pancreas                   | 8.3   | Ovary                      | 9.0   |
| Stomach                    | 8.0   | Bladder                    | 7.6   |
| Other and unspecified      | 7.9   | Other and unspecified      | 7.0   |
| All sites                  | 341.6 | All sites                  | 279.3 |

## \*Canada, Quebec (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | ICD-10          |
| Lip                          | 223       | 0.2       | 1.2                      | <b>0.7</b>   | 0.03                | 0.07                | 64        | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01                | C00             |
| Tongue                       | 737       | 0.7       | 3.9                      | <b>2.6</b>   | 0.17                | 0.32                | 311       | 0.3       | 1.6                      | <b>0.9</b>   | 0.06                | 0.12                | C01-02          |
| Mouth                        | 478       | 0.5       | 2.5                      | <b>1.7</b>   | 0.11                | 0.21                | 310       | 0.3       | 1.6                      | <b>0.9</b>   | 0.05                | 0.10                | C03-06          |
| Salivary glands              | 243       | 0.2       | 1.3                      | <b>0.9</b>   | 0.05                | 0.09                | 214       | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 458       | 0.5       | 2.4                      | <b>1.6</b>   | 0.13                | 0.20                | 168       | 0.2       | 0.9                      | <b>0.5</b>   | 0.04                | 0.07                | C09             |
| Other oropharynx             | 156       | 0.2       | 0.8                      | <b>0.5</b>   | 0.04                | 0.07                | 50        | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 137       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | 77        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C11             |
| Hypopharynx                  | 264       | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                | 0.12                | 42        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 125       | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                | 0.05                | 46        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C14             |
| Oesophagus                   | 1253      | 1.2       | 6.7                      | <b>4.1</b>   | 0.22                | 0.51                | 400       | 0.4       | 2.1                      | <b>1.0</b>   | 0.05                | 0.11                | C15             |
| Stomach                      | 2530      | 2.5       | 13.5                     | <b>8.0</b>   | 0.35                | 0.91                | 1517      | 1.6       | 7.9                      | <b>3.6</b>   | 0.15                | 0.38                | C16             |
| Small intestine              | 374       | 0.4       | 2.0                      | <b>1.2</b>   | 0.07                | 0.15                | 325       | 0.3       | 1.7                      | <b>0.9</b>   | 0.05                | 0.10                | C17             |
| Colon                        | 8395      | 8.3       | 44.8                     | <b>26.7</b>  | 1.10                | 3.14                | 8398      | 8.7       | 43.8                     | <b>20.0</b>  | 0.89                | 2.28                | C18             |
| Rectum                       | 5338      | 5.3       | 28.5                     | <b>17.7</b>  | 0.89                | 2.21                | 3469      | 3.6       | 18.1                     | <b>9.1</b>   | 0.49                | 1.07                | C19-20          |
| Anus                         | 196       | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                | 0.07                | 257       | 0.3       | 1.3                      | <b>0.8</b>   | 0.05                | 0.09                | C21             |
| Liver                        | 1710      | 1.7       | 9.1                      | <b>5.7</b>   | 0.28                | 0.68                | 827       | 0.9       | 4.3                      | <b>2.1</b>   | 0.09                | 0.23                | C22             |
| Gallbladder etc.             | 490       | 0.5       | 2.6                      | <b>1.5</b>   | 0.06                | 0.16                | 744       | 0.8       | 3.9                      | <b>1.8</b>   | 0.08                | 0.19                | C23-24          |
| Pancreas                     | 2563      | 2.5       | 13.7                     | <b>8.3</b>   | 0.40                | 0.99                | 2751      | 2.9       | 14.4                     | <b>6.5</b>   | 0.27                | 0.74                | C25             |
| Nose, sinuses etc.           | 183       | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.07                | 107       | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 1513      | 1.5       | 8.1                      | <b>5.1</b>   | 0.28                | 0.66                | 355       | 0.4       | 1.9                      | <b>1.0</b>   | 0.06                | 0.14                | C32             |
| Trachea, bronchus and lung   | 20060     | 19.7      | 106.9                    | <b>64.5</b>  | 2.79                | 7.88                | 14452     | 15.0      | 75.4                     | <b>40.8</b>  | 2.40                | 5.09                | C33-34          |
| Other thoracic organs        | 183       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.07                | 134       | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C37-38          |
| Bone                         | 265       | 0.3       | 1.4                      | <b>1.2</b>   | 0.08                | 0.10                | 221       | 0.2       | 1.2                      | <b>1.0</b>   | 0.06                | 0.08                | C40-41          |
| Melanoma of skin             | 1491      | 1.5       | 7.9                      | <b>5.3</b>   | 0.33                | 0.59                | 1322      | 1.4       | 6.9                      | <b>4.6</b>   | 0.32                | 0.48                | C43             |
| Other skin                   | 361       | 0.4       | 1.9                      | <b>1.2</b>   | 0.05                | 0.12                | 373       | 0.4       | 1.9                      | <b>1.0</b>   | 0.05                | 0.10                | C44             |
| Mesothelioma                 | 589       | 0.6       | 3.1                      | <b>1.9</b>   | 0.08                | 0.24                | 152       | 0.2       | 0.8                      | <b>0.4</b>   | 0.02                | 0.05                | C45             |
| Kaposi sarcoma               | 94        | 0.1       | 0.5                      | <b>0.3</b>   | 0.03                | 0.03                | 13        | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 609       | 0.6       | 3.2                      | <b>2.3</b>   | 0.14                | 0.22                | 489       | 0.5       | 2.6                      | <b>1.8</b>   | 0.11                | 0.17                | C47+C49         |
| Breast                       | 189       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                | 0.08                | 25786     | 26.8      | 134.6                    | <b>80.3</b>  | 5.86                | 9.20                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 472       | 0.5       | 2.5                      | <b>1.2</b>   | 0.07                | 0.13                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 135       | 0.1       | 0.7                      | <b>0.3</b>   | 0.02                | 0.03                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 1489      | 1.5       | 7.8                      | <b>5.4</b>   | 0.42                | 0.51                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 4582      | 4.8       | 23.9                     | <b>13.9</b>  | 1.00                | 1.71                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 289       | 0.3       | 1.5                      | <b>0.8</b>   | 0.05                | 0.08                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 3066      | 3.2       | 16.0                     | <b>9.0</b>   | 0.59                | 1.01                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 180       | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                | 0.06                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 14        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 147       | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                | 0.05                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 21023     | 20.7      | 112.1                    | <b>70.6</b>  | 3.56                | 8.92                |           |           |                          |              |                     |                     | C61             |
| Testis                       | 886       | 0.9       | 4.7                      | <b>4.4</b>   | 0.32                | 0.33                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 74        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.02                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 3344      | 3.3       | 17.8                     | <b>11.5</b>  | 0.68                | 1.33                | 2148      | 2.2       | 11.2                     | <b>6.2</b>   | 0.36                | 0.70                | C64             |
| Renal pelvis                 | 201       | 0.2       | 1.1                      | <b>0.6</b>   | 0.03                | 0.07                | 158       | 0.2       | 0.8                      | <b>0.4</b>   | 0.02                | 0.04                | C65             |
| Ureter                       | 196       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                | 0.07                | 132       | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                | 0.04                | C66             |
| †Bladder                     | 8177      | 8.0       | 43.6                     | <b>26.0</b>  | 1.12                | 3.02                | 2993      | 3.1       | 15.6                     | <b>7.6</b>   | 0.39                | 0.87                | C67             |
| Other urinary organs         | 79        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03                | 44        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 145       | 0.1       | 0.8                      | <b>0.6</b>   | 0.03                | 0.06                | 130       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | C69             |
| Brain, nervous system        | 1857      | 1.8       | 9.9                      | <b>7.6</b>   | 0.46                | 0.75                | 1467      | 1.5       | 7.7                      | <b>5.4</b>   | 0.32                | 0.52                | C70-72          |
| Thyroid                      | 901       | 0.9       | 4.8                      | <b>3.5</b>   | 0.27                | 0.37                | 3062      | 3.2       | 16.0                     | <b>12.0</b>  | 0.94                | 1.16                | C73             |
| Adrenal gland                | 81        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                | 0.04                | 107       | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.04                | C74             |
| Other endocrine              | 47        | 0.0       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 38        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 627       | 0.6       | 3.3                      | <b>3.0</b>   | 0.20                | 0.24                | 478       | 0.5       | 2.5                      | <b>2.3</b>   | 0.15                | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 3942      | 3.9       | 21.0                     | <b>13.7</b>  | 0.78                | 1.51                | 3485      | 3.6       | 18.2                     | <b>9.9</b>   | 0.56                | 1.14                | C82-85,C96      |
| Immunoproliferative diseases | 181       | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                | 0.06                | 94        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 1342      | 1.3       | 7.2                      | <b>4.3</b>   | 0.19                | 0.49                | 1123      | 1.2       | 5.9                      | <b>2.8</b>   | 0.14                | 0.33                | C90             |
| Lymphoid leukaemia           | 1689      | 1.7       | 9.0                      | <b>6.6</b>   | 0.27                | 0.62                | 1157      | 1.2       | 6.0                      | <b>3.6</b>   | 0.15                | 0.31                | C91             |
| Myeloid leukaemia            | 1048      | 1.0       | 5.6                      | <b>3.7</b>   | 0.17                | 0.36                | 851       | 0.9       | 4.4                      | <b>2.7</b>   | 0.16                | 0.28                | C92-94          |
| Leukaemia unspecified        | 231       | 0.2       | 1.2                      | <b>0.8</b>   | 0.03                | 0.07                | 239       | 0.2       | 1.2                      | <b>0.6</b>   | 0.02                | 0.06                | C95             |
| Myeloproliferative disorders | 806       | 0.8       | 4.3                      | <b>2.7</b>   | 0.10                | 0.29                | 932       | 1.0       | 4.9                      | <b>2.3</b>   | 0.09                | 0.21                | MPD             |
| Myelodysplastic syndromes    | 1291      | 1.3       | 6.9                      | <b>3.7</b>   | 0.06                | 0.30                | 1200      | 1.2       | 6.3                      | <b>2.3</b>   | 0.05                | 0.18                | MDS             |
| Other and unspecified        | 2479      | 2.4       | 13.2                     | <b>7.9</b>   | 0.32                | 0.81                | 3110      | 3.2       | 16.2                     | <b>7.0</b>   | 0.30                | 0.69                | O&U             |
| All sites                    | 102001    |           | 543.8                    | <b>341.6</b> | 16.63               | 39.88               | 96549     |           | 503.8                    | <b>279.3</b> | 17.22               | 31.41               | C00-96          |
| All sites except C44         | 101640    | 100.0     | 541.8                    | <b>340.4</b> | 16.58               | 39.76               | 96176     | 100.0     | 501.8                    | <b>278.4</b> | 17.16               | 31.31               | C00-96 exc. C44 |

†\*See note following population pyramid

# Canada, Saskatchewan

## REGISTRATION AREA

The Saskatchewan Cancer Registry covers the population of the Canadian province of Saskatchewan. At the 2006 census, the province's population was 1.1 million, of mixed ethnic origin. Approximately 64% of residents live in cities with more than 5000 inhabitants.

## CANCER CARE FACILITIES

The registry is located within the Saskatchewan Cancer Agency, which is responsible for treatment, prevention, early detection programmes, research, and education services. Cancer treatment facilities for chemotherapy and radiotherapy are located in Regina and Saskatoon – the two largest centres in Saskatchewan. There are also outreach programmes for chemotherapy in 16 regional hospitals throughout the province. The population of Saskatchewan is covered by a government-funded universal comprehensive health insurance plan.

## REGISTRY STRUCTURE AND METHODS

It is legally mandated by Saskatchewan's Cancer Agency Act that all cancers must be reported to the Saskatchewan Cancer Agency. This mandate results in the ascertainment of approximately 95% of cases. Other case ascertainment strategies, such as notification of deaths by the Vital Statistics agency, result in the capture of the other 5% of cases. The registry is staffed by 14 cancer registrars, two clerks, two supervisors, a coordinator, a data quality specialist, and the provincial leader. The staff members are based at the two treatment centres in Saskatoon and Regina. The registry captures approximately 9000 cancer cases per year, including non-melanoma skin cancers. The registry also uses active follow-up procedures to capture outcomes information. The registry is patient- and case-oriented. Electronic data are available for all cancers diagnosed since 1967. Paper records are available for all cases diagnosed since 1932. Data are coded according to ICD-O-3. Collection of collaborative staging data began in 2005. The registry's quality control procedures include re-abstracting of cases, internal and external audits, and electronic editing. The data are also edited by Statistics Canada and the North American Association of Central Cancer Registries (NAACCR) upon submission to their databases.

## INTERPRETING THE RESULTS

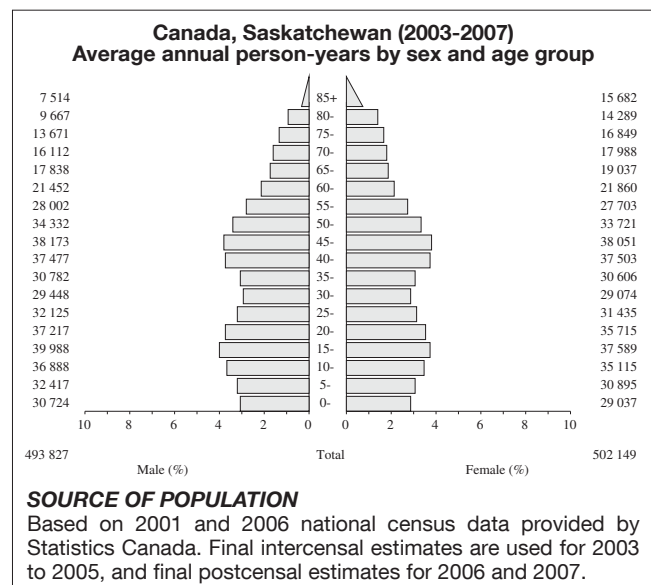
The Saskatchewan Cancer Agency operates three population-based screening programmes: the Screening Program for Breast Cancer (SPBC), targeting women aged 50–69 years; the Prevention Program for Cervical Cancer (PPCC), targeting women aged 21–69 years; and the Screening Program for Colorectal Cancer (SPCRC), targeting individuals aged 50–74 years.

## USE OF THE DATA

Registry data are used for business and planning purposes, research, outcomes analysis, performance measurement, evaluation of early detection and screening programmes, and statistics. Statistical data are published provincially, nationally, and internationally.

## CONTRIBUTORS

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Riaz Alvi  
Heather Stuart-Panko



## NOTES ON THE DATA

†C67 (bladder cancer) includes neoplasms of uncertain or unknown behaviour together with invasive cancers.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 107.2 | Breast                     | 76.2  |
| Trachea, bronchus and lung | 42.1  | Trachea, bronchus and lung | 34.2  |
| Colon                      | 25.7  | Colon                      | 19.2  |
| Bladder                    | 19.4  | Corpus uteri               | 16.3  |
| Rectum                     | 18.2  | Non-Hodgkin lymphoma       | 10.4  |
| Non-Hodgkin lymphoma       | 14.2  | Rectum                     | 9.1   |
| Kidney                     | 10.7  | Ovary                      | 8.5   |
| Lymphoid leukaemia         | 9.2   | Thyroid                    | 6.9   |
| Melanoma of skin           | 8.8   | Melanoma of skin           | 6.9   |
| Pancreas                   | 7.1   | Cervix uteri               | 6.6   |
| All sites                  | 336.3 | All sites                  | 262.0 |

## Canada, Saskatchewan (2003-2007)

| SITE                         | Male      |           |                          |           |                     |                     | Female    |           |                          |           |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|-----------|---------------------|---------------------|-----------|-----------|--------------------------|-----------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 66        | 0.5       | 2.7                      | 1.5       | 0.06                | 0.18                | 13        | 0.1       | 0.5                      | 0.2       | 0.01                | 0.02                | C00             |
| Tongue                       | 70        | 0.5       | 2.8                      | 2.2       | 0.16                | 0.27                | 41        | 0.4       | 1.6                      | 0.9       | 0.05                | 0.11                | C01-02          |
| Mouth                        | 56        | 0.4       | 2.3                      | 1.6       | 0.12                | 0.20                | 50        | 0.4       | 2.0                      | 1.1       | 0.07                | 0.12                | C03-06          |
| Salivary glands              | 27        | 0.2       | 1.1                      | 0.7       | 0.03                | 0.06                | 19        | 0.2       | 0.8                      | 0.5       | 0.03                | 0.06                | C07-08          |
| Tonsil                       | 48        | 0.4       | 1.9                      | 1.4       | 0.11                | 0.17                | 15        | 0.1       | 0.6                      | 0.4       | 0.02                | 0.05                | C09             |
| Other oropharynx             | 7         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | 2         | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                | C10             |
| Nasopharynx                  | 7         | 0.1       | 0.3                      | 0.2       | 0.02                | 0.03                | 6         | 0.1       | 0.2                      | 0.1       | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 31        | 0.2       | 1.3                      | 0.8       | 0.04                | 0.11                | 4         | 0.0       | 0.2                      | 0.1       | 0.00                | 0.01                | C12-13          |
| Pharynx unspecified          | 7         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | 5         | 0.0       | 0.2                      | 0.1       | 0.00                | 0.00                | C14             |
| Oesophagus                   | 147       | 1.1       | 6.0                      | 3.4       | 0.18                | 0.37                | 57        | 0.5       | 2.3                      | 1.0       | 0.04                | 0.13                | C15             |
| Stomach                      | 269       | 2.0       | 10.9                     | 6.4       | 0.28                | 0.78                | 149       | 1.3       | 5.9                      | 2.7       | 0.12                | 0.31                | C16             |
| Small intestine              | 52        | 0.4       | 2.1                      | 1.4       | 0.07                | 0.16                | 43        | 0.4       | 1.7                      | 0.8       | 0.05                | 0.09                | C17             |
| Colon                        | 1095      | 8.1       | 44.3                     | 25.7      | 1.14                | 3.19                | 1051      | 9.2       | 41.9                     | 19.2      | 0.89                | 2.22                | C18             |
| Rectum                       | 722       | 5.4       | 29.2                     | 18.2      | 0.98                | 2.36                | 431       | 3.8       | 17.2                     | 9.1       | 0.50                | 1.10                | C19-20          |
| Anus                         | 27        | 0.2       | 1.1                      | 0.7       | 0.04                | 0.07                | 37        | 0.3       | 1.5                      | 0.8       | 0.07                | 0.08                | C21             |
| Liver                        | 116       | 0.9       | 4.7                      | 3.1       | 0.17                | 0.38                | 63        | 0.6       | 2.5                      | 1.3       | 0.05                | 0.15                | C22             |
| Gallbladder etc.             | 79        | 0.6       | 3.2                      | 1.8       | 0.07                | 0.22                | 107       | 0.9       | 4.3                      | 2.0       | 0.11                | 0.24                | C23-24          |
| Pancreas                     | 300       | 2.2       | 12.1                     | 7.1       | 0.35                | 0.84                | 350       | 3.1       | 13.9                     | 6.0       | 0.25                | 0.67                | C25             |
| Nose, sinuses etc.           | 17        | 0.1       | 0.7                      | 0.4       | 0.04                | 0.04                | 18        | 0.2       | 0.7                      | 0.5       | 0.03                | 0.05                | C30-31          |
| Larynx                       | 114       | 0.8       | 4.6                      | 3.0       | 0.15                | 0.45                | 24        | 0.2       | 1.0                      | 0.6       | 0.04                | 0.07                | C32             |
| Trachea, bronchus and lung   | 1825      | 13.6      | 73.9                     | 42.1      | 1.72                | 5.37                | 1552      | 13.6      | 61.8                     | 34.2      | 1.87                | 4.40                | C33-34          |
| Other thoracic organs        | 15        | 0.1       | 0.6                      | 0.5       | 0.02                | 0.06                | 15        | 0.1       | 0.6                      | 0.4       | 0.03                | 0.05                | C37-38          |
| Bone                         | 26        | 0.2       | 1.1                      | 0.9       | 0.05                | 0.07                | 26        | 0.2       | 1.0                      | 1.0       | 0.06                | 0.07                | C40-41          |
| Melanoma of skin             | 316       | 2.3       | 12.8                     | 8.8       | 0.59                | 1.00                | 264       | 2.3       | 10.5                     | 6.9       | 0.51                | 0.69                | C43             |
| Other skin                   | 30        | 0.2       | 1.2                      | 0.7       | 0.04                | 0.07                | 56        | 0.5       | 2.2                      | 1.4       | 0.09                | 0.14                | C44             |
| Mesothelioma                 | 44        | 0.3       | 1.8                      | 1.0       | 0.04                | 0.13                | 8         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C45             |
| Kaposi sarcoma               | 5         | 0.0       | 0.2                      | 0.1       | 0.00                | 0.01                | 0         | 0.0       | 0.0                      | 0.0       | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 83        | 0.6       | 3.4                      | 2.1       | 0.10                | 0.22                | 67        | 0.6       | 2.7                      | 1.5       | 0.08                | 0.14                | C47+C49         |
| Breast                       | 20        | 0.1       | 0.8                      | 0.4       | 0.02                | 0.04                | 3069      | 26.9      | 122.2                    | 76.2      | 5.39                | 9.05                | C50             |
| Vulva                        |           |           |                          |           |                     |                     | 83        | 0.7       | 3.3                      | 1.6       | 0.07                | 0.20                | C51             |
| Vagina                       |           |           |                          |           |                     |                     | 13        | 0.1       | 0.5                      | 0.3       | 0.02                | 0.04                | C52             |
| Cervix uteri                 |           |           |                          |           |                     |                     | 207       | 1.8       | 8.2                      | 6.6       | 0.53                | 0.61                | C53             |
| Corpus uteri                 |           |           |                          |           |                     |                     | 621       | 5.4       | 24.7                     | 16.3      | 1.22                | 2.04                | C54             |
| Uterus unspecified           |           |           |                          |           |                     |                     | 18        | 0.2       | 0.7                      | 0.4       | 0.03                | 0.04                | C55             |
| Ovary                        |           |           |                          |           |                     |                     | 367       | 3.2       | 14.6                     | 8.5       | 0.55                | 0.97                | C56             |
| Other female genital organs  |           |           |                          |           |                     |                     | 14        | 0.1       | 0.6                      | 0.3       | 0.02                | 0.05                | C57             |
| Placenta                     |           |           |                          |           |                     |                     | 1         | 0.0       | 0.0                      | 0.0       | 0.00                | 0.00                | C58             |
| Penis                        | 34        | 0.3       | 1.4                      | 0.9       | 0.05                | 0.11                |           |           |                          |           |                     |                     | C60             |
| Prostate                     | 4263      | 31.7      | 172.7                    | 107.2     | 5.00                | 14.58               |           |           |                          |           |                     |                     | C61             |
| Testis                       | 125       | 0.9       | 5.1                      | 4.9       | 0.37                | 0.37                |           |           |                          |           |                     |                     | C62             |
| Other male genital organs    | 10        | 0.1       | 0.4                      | 0.2       | 0.01                | 0.02                |           |           |                          |           |                     |                     | C63             |
| Kidney                       | 409       | 3.0       | 16.6                     | 10.7      | 0.62                | 1.26                | 246       | 2.2       | 9.8                      | 5.7       | 0.38                | 0.63                | C64             |
| Renal pelvis                 | 13        | 0.1       | 0.5                      | 0.3       | 0.01                | 0.04                | 32        | 0.3       | 1.3                      | 0.5       | 0.01                | 0.06                | C65             |
| Ureter                       | 7         | 0.1       | 0.3                      | 0.1       | 0.00                | 0.02                | 7         | 0.1       | 0.3                      | 0.1       | 0.00                | 0.02                | C66             |
| †Bladder                     | 854       | 6.3       | 34.6                     | 19.4      | 0.85                | 2.28                | 323       | 2.8       | 12.9                     | 6.6       | 0.33                | 0.79                | C67             |
| Other urinary organs         | 8         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.03                | 3         | 0.0       | 0.1                      | 0.0       | 0.00                | 0.00                | C68             |
| Eye                          | 29        | 0.2       | 1.2                      | 0.7       | 0.04                | 0.09                | 11        | 0.1       | 0.4                      | 0.3       | 0.02                | 0.02                | C69             |
| Brain, nervous system        | 186       | 1.4       | 7.5                      | 5.9       | 0.38                | 0.60                | 155       | 1.4       | 6.2                      | 4.4       | 0.28                | 0.44                | C70-72          |
| Thyroid                      | 73        | 0.5       | 3.0                      | 2.3       | 0.17                | 0.24                | 215       | 1.9       | 8.6                      | 6.9       | 0.54                | 0.65                | C73             |
| Adrenal gland                | 5         | 0.0       | 0.2                      | 0.2       | 0.01                | 0.02                | 4         | 0.0       | 0.2                      | 0.1       | 0.01                | 0.01                | C74             |
| Other endocrine              | 5         | 0.0       | 0.2                      | 0.2       | 0.01                | 0.02                | 2         | 0.0       | 0.1                      | 0.1       | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 80        | 0.6       | 3.2                      | 3.0       | 0.22                | 0.24                | 53        | 0.5       | 2.1                      | 2.0       | 0.13                | 0.15                | C81             |
| Non-Hodgkin lymphoma         | 558       | 4.1       | 22.6                     | 14.2      | 0.77                | 1.61                | 477       | 4.2       | 19.0                     | 10.4      | 0.60                | 1.17                | C82-85,C96      |
| Immunoproliferative diseases | 19        | 0.1       | 0.8                      | 0.4       | 0.01                | 0.05                | 15        | 0.1       | 0.6                      | 0.3       | 0.02                | 0.03                | C88             |
| Multiple myeloma             | 165       | 1.2       | 6.7                      | 4.0       | 0.23                | 0.49                | 133       | 1.2       | 5.3                      | 2.9       | 0.16                | 0.38                | C90             |
| Lymphoid leukaemia           | 337       | 2.5       | 13.6                     | 9.2       | 0.46                | 0.96                | 199       | 1.7       | 7.9                      | 5.0       | 0.26                | 0.50                | C91             |
| Myeloid leukaemia            | 143       | 1.1       | 5.8                      | 4.0       | 0.22                | 0.39                | 131       | 1.1       | 5.2                      | 3.2       | 0.19                | 0.34                | C92-94          |
| Leukaemia unspecified        | 19        | 0.1       | 0.8                      | 0.4       | 0.02                | 0.02                | 16        | 0.1       | 0.6                      | 0.2       | 0.01                | 0.01                | C95             |
| Myeloproliferative disorders | 105       | 0.8       | 4.3                      | 2.5       | 0.12                | 0.31                | 123       | 1.1       | 4.9                      | 2.4       | 0.13                | 0.28                | MPD             |
| Myelodysplastic syndromes    | 94        | 0.7       | 3.8                      | 1.9       | 0.07                | 0.21                | 47        | 0.4       | 1.9                      | 0.8       | 0.03                | 0.09                | MDS             |
| Other and unspecified        | 329       | 2.4       | 13.3                     | 6.9       | 0.26                | 0.71                | 393       | 3.4       | 15.7                     | 6.4       | 0.29                | 0.66                | O&U             |
| All sites                    | 13491     |           | 546.4                    | 336.3     | 16.53               | 41.60               | 11451     |           | 456.1                    | 262.0     | 16.24               | 30.25               | C00-96          |
| All sites except C44         | 13461     | 100.0     | 545.2                    | 335.6     | 16.49               | 41.52               | 11395     | 100.0     | 453.8                    | 260.6     | 16.15               | 30.11               | C00-96 exc. C44 |

† See note following population pyramid



# Canada, Yukon

## REGISTRATION AREA

The Yukon Cancer Registry covers the population of the Yukon Territory, located in the north-western corner of Canada. The Yukon is bordered to the east by the Northwest Territories, to the south by the province of British Columbia, and to the west by the USA (the state of Alaska). The Yukon constitutes 5% of Canada's total land area, making it the ninth largest of Canada's 10 provinces and three territories. With a population of 30 000 at the 2006 census, the Yukon is the second least populous province or territory in Canada. Whitehorse, the territorial capital, is home to three quarters of the territory's population. There was a 5.9% increase in the territory's population from 2001 to 2006. In 2001, 29% of the population was aged 25–44 years. The Yukon has a low proportion of elderly persons, with only 7.5% of the population aged more than 65 years, compared with 13.7% of the population of Canada as a whole. One quarter of the Yukon's population is of Aboriginal origin.

## CANCER CARE FACILITIES

Health programmes and services in the Yukon are provided through health centres and three hospitals. There are no dedicated cancer centres. Specialized cancer services for Yukon residents are provided by visiting specialists and in neighbouring provinces.

## REGISTRY STRUCTURE AND METHODS

The registry includes information dating back to 1987. The British Columbia Cancer Agency maintains the Yukon's registry along with its own provincial data.

## INTERPRETING THE RESULTS

The Yukon Mammography Program was established in 1990 to reduce breast cancer mortality through early detection. The programme participates in the Canadian Breast Cancer Screening Initiative and reports its results annually. However, it does not contribute to the initiative's national database, due to the lack of computerization of screening records. The British Columbia Cancer Agency's Cervical

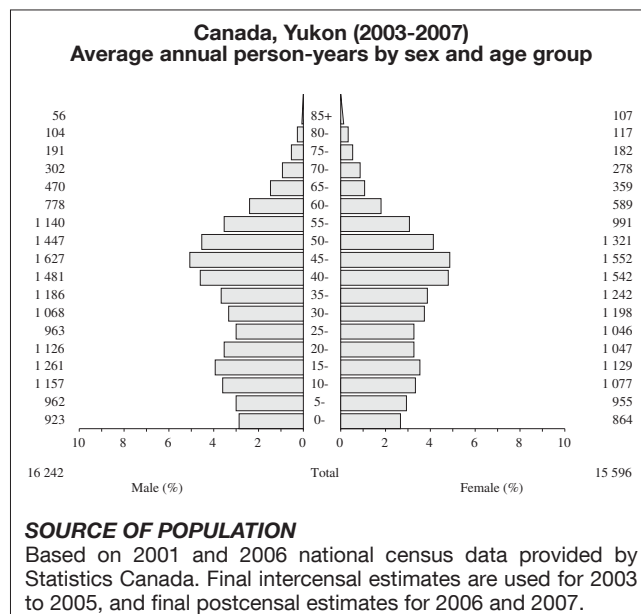
Cancer Screening Program also evaluates Pap tests performed in the Yukon. Screening is recommended for women aged more than 18 years, but there is no organized programme for the provision of services.

## USE OF THE DATA

Registry data are submitted to the national cancer registry maintained by Statistics Canada, at which point duplicate reports and registrations in other Canadian jurisdictions are reconciled.

## CONTRIBUTORS

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## NOTES ON THE DATA

\*Rates based on low numbers due to small population. High MV%. Low DCO rates.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 66.2  | Breast                     | 75.1  |
| Trachea, bronchus and lung | 39.7  | Trachea, bronchus and lung | 33.0  |
| Colon                      | 32.1  | Colon                      | 23.3  |
| Rectum                     | 16.5  | Corpus uteri               | 20.3  |
| Bladder                    | 15.0  | Other and unspecified      | 11.2  |
| Non-Hodgkin lymphoma       | 10.9  | Non-Hodgkin lymphoma       | 10.1  |
| Stomach                    | 9.4   | Thyroid                    | 10.0  |
| Melanoma of skin           | 7.1   | Bladder                    | 7.9   |
| Other and unspecified      | 6.1   | Rectum                     | 7.3   |
| Multiple myeloma           | 5.6   | Melanoma of skin           | 7.2   |
| All sites                  | 275.9 | All sites                  | 252.1 |

## \*Canada, Yukon (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 2         | 0.8       | 2.5                      | <b>2.0</b>   | 0.09                | 0.30                | 3         | 1.2       | 3.8                      | <b>3.6</b>   | 0.25                | 0.61                | C01-02          |
| Mouth                        | 1         | 0.4       | 1.2                      | <b>0.7</b>   | 0.07                | 0.07                | 2         | 0.8       | 2.6                      | <b>1.6</b>   | 0.17                | 0.17                | C03-06          |
| Salivary glands              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C07-08          |
| Tonsil                       | 2         | 0.8       | 2.5                      | <b>1.4</b>   | 0.16                | 0.16                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 2         | 0.8       | 2.6                      | <b>2.3</b>   | 0.25                | 0.25                | C11             |
| Hypopharynx                  | 1         | 0.4       | 1.2                      | <b>1.3</b>   | 0.00                | 0.33                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 5         | 2.0       | 6.2                      | <b>5.0</b>   | 0.34                | 0.68                | 1         | 0.4       | 1.3                      | <b>1.7</b>   | 0.00                | 0.28                | C15             |
| Stomach                      | 9         | 3.5       | 11.1                     | <b>9.4</b>   | 0.37                | 1.58                | 5         | 2.0       | 6.4                      | <b>5.4</b>   | 0.43                | 0.43                | C16             |
| Small intestine              | 1         | 0.4       | 1.2                      | <b>1.3</b>   | 0.00                | 0.21                | 2         | 0.8       | 2.6                      | <b>2.2</b>   | 0.06                | 0.42                | C17             |
| Colon                        | 30        | 11.8      | 36.9                     | <b>32.1</b>  | 1.45                | 5.05                | 21        | 8.5       | 26.9                     | <b>23.3</b>  | 1.32                | 2.95                | C18             |
| Rectum                       | 16        | 6.3       | 19.7                     | <b>16.5</b>  | 0.79                | 2.87                | 9         | 3.6       | 11.5                     | <b>7.3</b>   | 0.58                | 0.58                | C19-20          |
| Anus                         | 1         | 0.4       | 1.2                      | <b>0.8</b>   | 0.07                | 0.07                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C21             |
| Liver                        | 4         | 1.6       | 4.9                      | <b>3.5</b>   | 0.24                | 0.57                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C22             |
| Gallbladder etc.             | 3         | 1.2       | 3.7                      | <b>3.0</b>   | 0.00                | 0.00                | 3         | 1.2       | 3.8                      | <b>3.4</b>   | 0.10                | 0.38                | C23-24          |
| Pancreas                     | 5         | 2.0       | 6.2                      | <b>4.5</b>   | 0.22                | 0.43                | 4         | 1.6       | 5.1                      | <b>4.0</b>   | 0.21                | 0.57                | C25             |
| Nose, sinuses etc.           | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C30-31          |
| Larynx                       | 3         | 1.2       | 3.7                      | <b>3.9</b>   | 0.07                | 0.40                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C32             |
| Trachea, bronchus and lung   | 35        | 13.8      | 43.1                     | <b>39.7</b>  | 0.93                | 5.38                | 29        | 11.7      | 37.2                     | <b>33.0</b>  | 2.14                | 3.34                | C33-34          |
| Other thoracic organs        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C37-38          |
| Bone                         | 1         | 0.4       | 1.2                      | <b>1.0</b>   | 0.13                | 0.13                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C40-41          |
| Melanoma of skin             | 7         | 2.8       | 8.6                      | <b>7.1</b>   | 0.47                | 0.90                | 8         | 3.2       | 10.3                     | <b>7.2</b>   | 0.67                | 0.67                | C43             |
| Other skin                   | 1         | 0.4       | 1.2                      | <b>1.0</b>   | 0.13                | 0.13                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C44             |
| Mesothelioma                 | 1         | 0.4       | 1.2                      | <b>1.3</b>   | 0.00                | 0.21                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C45             |
| Kaposi sarcoma               | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 5         | 2.0       | 6.2                      | <b>5.2</b>   | 0.25                | 0.79                | 3         | 1.2       | 3.8                      | <b>3.4</b>   | 0.16                | 0.52                | C47+C49         |
| Breast                       | 2         | 0.8       | 2.5                      | <b>2.1</b>   | 0.13                | 0.13                | 78        | 31.6      | 100.0                    | <b>75.1</b>  | 5.07                | 8.71                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 5         | 2.0       | 6.4                      | <b>4.1</b>   | 0.40                | 0.40                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 19        | 7.7       | 24.4                     | <b>20.3</b>  | 1.46                | 2.90                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 5         | 2.0       | 6.4                      | <b>4.8</b>   | 0.31                | 0.58                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 59        | 23.2      | 72.7                     | <b>66.2</b>  | 2.17                | 8.16                |           |           |                          |              |                     |                     | C61             |
| Testis                       | 4         | 1.6       | 4.9                      | <b>4.6</b>   | 0.32                | 0.32                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 4         | 1.6       | 4.9                      | <b>4.7</b>   | 0.26                | 0.92                | 1         | 0.4       | 1.3                      | <b>0.8</b>   | 0.10                | 0.10                | C64             |
| Renal pelvis                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C66             |
| Bladder                      | 13        | 5.1       | 16.0                     | <b>15.0</b>  | 0.26                | 2.67                | 7         | 2.8       | 9.0                      | <b>7.9</b>   | 0.78                | 1.14                | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C69             |
| Brain, nervous system        | 4         | 1.6       | 4.9                      | <b>5.6</b>   | 0.28                | 0.49                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C70-72          |
| Thyroid                      | 1         | 0.4       | 1.2                      | <b>0.8</b>   | 0.07                | 0.07                | 11        | 4.5       | 14.1                     | <b>10.0</b>  | 0.93                | 0.93                | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 2         | 0.8       | 2.5                      | <b>2.9</b>   | 0.10                | 0.32                | 2         | 0.8       | 2.6                      | <b>2.3</b>   | 0.25                | 0.25                | C81             |
| Non-Hodgkin lymphoma         | 11        | 4.3       | 13.5                     | <b>10.9</b>  | 0.31                | 1.28                | 10        | 4.0       | 12.8                     | <b>10.1</b>  | 0.30                | 0.85                | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C88             |
| Multiple myeloma             | 5         | 2.0       | 6.2                      | <b>5.6</b>   | 0.09                | 0.84                | 1         | 0.4       | 1.3                      | <b>0.8</b>   | 0.08                | 0.08                | C90             |
| Lymphoid leukaemia           | 5         | 2.0       | 6.2                      | <b>5.6</b>   | 0.13                | 0.34                | 2         | 0.8       | 2.6                      | <b>2.6</b>   | 0.08                | 0.36                | C91             |
| Myeloid leukaemia            | 4         | 1.6       | 4.9                      | <b>3.1</b>   | 0.31                | 0.31                | 2         | 0.8       | 2.6                      | <b>2.3</b>   | 0.25                | 0.25                | C92-94          |
| Leukaemia unspecified        | 1         | 0.4       | 1.2                      | <b>1.3</b>   | 0.00                | 0.21                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C95             |
| Myeloproliferative disorders | 1         | 0.4       | 1.2                      | <b>0.7</b>   | 0.09                | 0.09                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | MPD             |
| Myelodysplastic syndromes    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.4       | 1.3                      | <b>1.4</b>   | 0.00                | 0.36                | MDS             |
| Other and unspecified        | 6         | 2.4       | 7.4                      | <b>6.1</b>   | 0.41                | 1.07                | 11        | 4.5       | 14.1                     | <b>11.2</b>  | 0.62                | 0.62                | O&U             |
| All sites                    | 255       |           | 314.0                    | <b>275.9</b> | 10.68               | 37.46               | 247       |           | 316.8                    | <b>252.1</b> | 16.96               | 28.69               | C00-96          |
| All sites except C44         | 254       | 100.0     | 312.8                    | <b>274.8</b> | 10.55               | 37.33               | 247       | 100.0     | 316.8                    | <b>252.1</b> | 16.96               | 28.69               | C00-96 exc. C44 |

\*See note following population pyramid

# USA, NPCR

## REGISTRATION AREA

As authorized by the United States Congress, the United States Centers for Disease Control and Prevention (CDC) provides financial and technical support for the National Program of Cancer Registries (NPCR), which includes population-based cancer registries in 45 states, the District of Columbia, Puerto Rico, and the Pacific Island Jurisdictions.

## REGISTRY STRUCTURE AND METHODS

NPCR cancer registries electronically transmit data to CDC annually, using a standardized record layout and coding system.

## INTERPRETING THE RESULTS

The 2003–2007 data included in this report meet the following data quality criteria for all cancer sites combined: case ascertainment is at least 90% complete; no more than 5% of cases are ascertained solely on the basis of a death certificate; no more than 3% of cases are missing information on sex or age; no more than 5% of cases are missing information on race; and at least 97% of the registry's records passed a set of computerized edits.

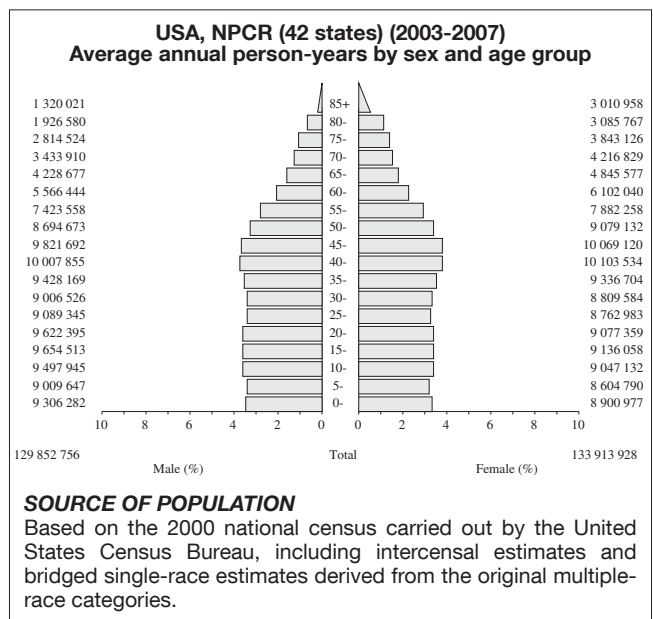
## USE OF THE DATA

CDC and the United States National Cancer Institute, in collaboration with the North American Association of Central Cancer Registries, annually publish the *United States Cancer Statistics* report. These federal cancer statistics are available to the public and cancer control planners through public-use and restricted-access

datasets. Monographs, peer-reviewed publications, and special topic reports have also been published.

## CONTRIBUTORS

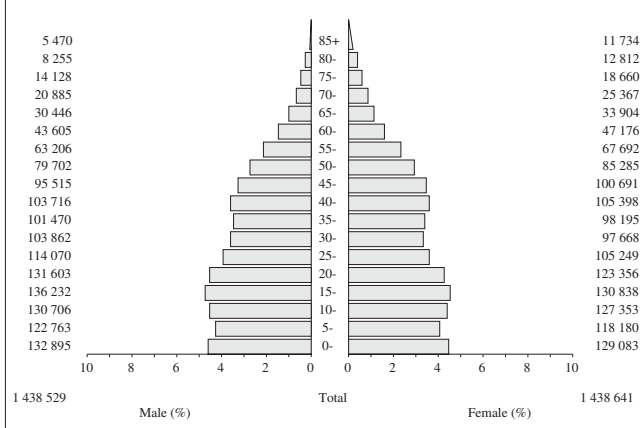
Reda J. Wilson  
 Jessica B. King  
 Simple D. Singh  
 Joseph D. Rogers  
 Christie R. Ehemam



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 105.0 | Breast                     | 85.3  |
| Trachea, bronchus and lung | 53.5  | Trachea, bronchus and lung | 36.4  |
| Colon                      | 23.7  | Colon                      | 18.8  |
| Bladder                    | 21.3  | Corpus uteri               | 16.9  |
| Non-Hodgkin lymphoma       | 15.4  | Thyroid                    | 12.3  |
| Melanoma of skin           | 15.1  | Melanoma of skin           | 11.1  |
| Kidney                     | 13.2  | Non-Hodgkin lymphoma       | 10.9  |
| Rectum                     | 11.2  | Ovary                      | 9.2   |
| Pancreas                   | 8.2   | Kidney                     | 7.1   |
| Other and unspecified      | 7.4   | Rectum                     | 6.8   |
| All sites                  | 363.4 | All sites                  | 284.6 |

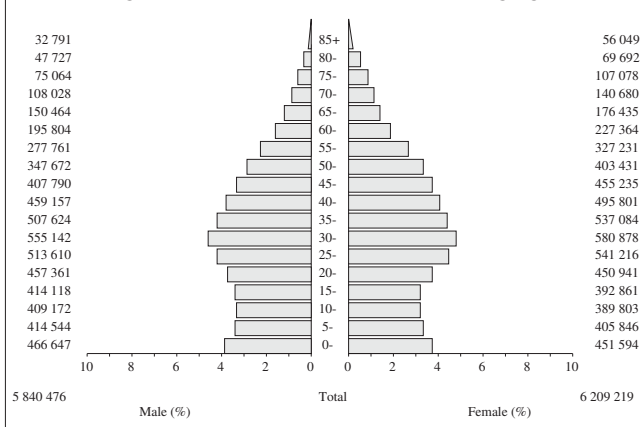
**USA, NPCR (42 states): American Indian (2003-2007)**  
Average annual person-years by sex and age group



**USA, NPCR (42 STATES): AMERICAN INDIAN**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 53.9  | Breast                     | 49.2  |
| Trachea, bronchus and lung | 36.0  | Trachea, bronchus and lung | 27.0  |
| Colon                      | 15.8  | Colon                      | 13.6  |
| Kidney                     | 12.5  | Corpus uteri               | 10.6  |
| Non-Hodgkin lymphoma       | 8.6   | Kidney                     | 7.9   |
| Rectum                     | 8.3   | Non-Hodgkin lymphoma       | 6.7   |
| Bladder                    | 8.1   | Thyroid                    | 6.5   |
| Liver                      | 7.5   | Ovary                      | 5.8   |
| Stomach                    | 6.0   | Rectum                     | 5.8   |
| Other and unspecified      | 5.5   | Other and unspecified      | 5.5   |
| All sites                  | 214.9 | All sites                  | 187.4 |

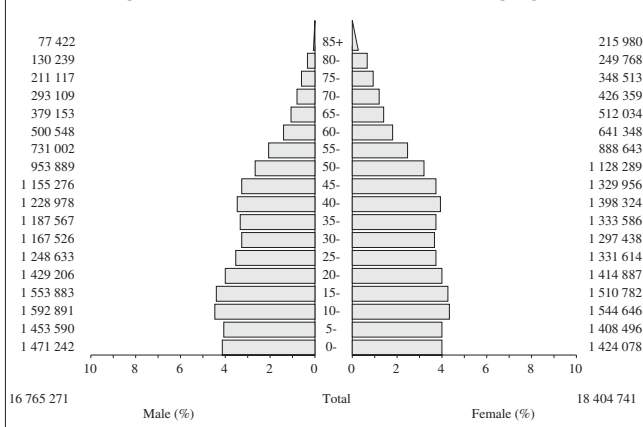
**USA, NPCR (42 states): Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, NPCR (42 STATES): ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

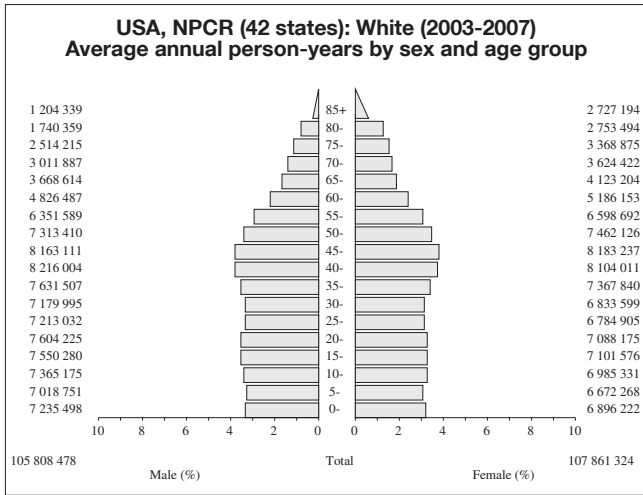
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 41.9  | Breast                     | 51.7  |
| Trachea, bronchus and lung | 26.4  | Trachea, bronchus and lung | 15.8  |
| Liver                      | 15.1  | Colon                      | 12.7  |
| Colon                      | 14.5  | Thyroid                    | 11.1  |
| Stomach                    | 9.4   | Corpus uteri               | 9.7   |
| Rectum                     | 8.9   | Non-Hodgkin lymphoma       | 6.0   |
| Non-Hodgkin lymphoma       | 7.9   | Ovary                      | 6.0   |
| Bladder                    | 6.9   | Rectum                     | 5.9   |
| Kidney                     | 4.9   | Stomach                    | 5.6   |
| Pancreas                   | 4.6   | Cervix uteri               | 5.3   |
| All sites                  | 180.9 | All sites                  | 169.2 |

**USA, NPCR (42 states): Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, NPCR (42 STATES): BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 162.3 | Breast                     | 82.0  |
| Trachea, bronchus and lung | 67.8  | Trachea, bronchus and lung | 34.6  |
| Colon                      | 31.3  | Colon                      | 25.0  |
| Kidney                     | 14.8  | Corpus uteri               | 14.4  |
| Non-Hodgkin lymphoma       | 12.3  | Non-Hodgkin lymphoma       | 8.3   |
| Rectum                     | 11.3  | Pancreas                   | 8.2   |
| Bladder                    | 10.9  | Cervix uteri               | 8.0   |
| Pancreas                   | 10.7  | Kidney                     | 7.6   |
| Liver                      | 10.0  | Thyroid                    | 7.5   |
| Stomach                    | 10.0  | Other and unspecified      | 7.3   |
| All sites                  | 425.5 | All sites                  | 270.8 |



**USA, NPCR (42 STATES): WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

|                            | Male  |                            | Female |
|----------------------------|-------|----------------------------|--------|
| Prostate                   | 97.8  | Breast                     | 86.0   |
| Trachea, bronchus and lung | 52.8  | Trachea, bronchus and lung | 37.3   |
| Colon                      | 23.0  | Colon                      | 18.0   |
| Bladder                    | 22.5  | Corpus uteri               | 17.3   |
| Melanoma of skin           | 16.8  | Thyroid                    | 12.8   |
| Non-Hodgkin lymphoma       | 15.7  | Melanoma of skin           | 12.7   |
| Kidney                     | 13.2  | Non-Hodgkin lymphoma       | 11.1   |
| Rectum                     | 11.1  | Ovary                      | 9.5    |
| Pancreas                   | 8.0   | Kidney                     | 7.1    |
| Other and unspecified      | 7.2   | Rectum                     | 6.7    |
| All sites                  | 357.0 | All sites                  | 287.5  |

## USA, NPCR (42 states) (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 6362       | 0.2       | 1.0                      | <b>0.7</b>   | 0.03                     | 0.08       | 2001      | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 28067      | 0.9       | 4.3                      | <b>3.3</b>   | 0.24                     | 0.40       | 11947     | 0.4                      | 1.8       | <b>1.2</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 17627      | 0.5       | 2.7                      | <b>2.0</b>   | 0.13                     | 0.24       | 12102     | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 9484       | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.11       | 6755      | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 18424      | 0.6       | 2.8                      | <b>2.2</b>   | 0.18                     | 0.26       | 4642      | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 4774       | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.07       | 1725      | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 5340       | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                     | 0.07       | 2324      | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 8029       | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                     | 0.12       | 2063      | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 2662       | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 992       | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 52617      | 1.6       | 8.1                      | <b>5.8</b>   | 0.32                     | 0.72       | 15211     | 0.5                      | 2.3       | <b>1.3</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 56113      | 1.7       | 8.6                      | <b>5.9</b>   | 0.30                     | 0.69       | 36044     | 1.2                      | 5.4       | <b>2.9</b>               | 0.15   | 0.32  | C16             |
| Small intestine              | 13996      | 0.4       | 2.2                      | <b>1.5</b>   | 0.09                     | 0.19       | 12542     | 0.4                      | 1.9       | <b>1.1</b>               | 0.07   | 0.14  | C17             |
| Colon                        | 227580     | 6.9       | 35.1                     | <b>23.7</b>  | 1.12                     | 2.78       | 240008    | 8.0                      | 35.8      | <b>18.8</b>              | 0.90   | 2.14  | C18             |
| Rectum                       | 101885     | 3.1       | 15.7                     | <b>11.2</b>  | 0.66                     | 1.36       | 76794     | 2.5                      | 11.5      | <b>6.8</b>               | 0.42   | 0.80  | C19-20          |
| Anus                         | 8243       | 0.3       | 1.3                      | <b>0.9</b>   | 0.07                     | 0.10       | 13207     | 0.4                      | 2.0       | <b>1.3</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 59442      | 1.8       | 9.2                      | <b>6.7</b>   | 0.44                     | 0.79       | 24502     | 0.8                      | 3.7       | <b>2.1</b>               | 0.11   | 0.25  | C22             |
| Gallbladder etc.             | 15769      | 0.5       | 2.4                      | <b>1.6</b>   | 0.07                     | 0.18       | 20396     | 0.7                      | 3.0       | <b>1.6</b>               | 0.07   | 0.18  | C23-24          |
| Pancreas                     | 77969      | 2.4       | 12.0                     | <b>8.2</b>   | 0.41                     | 0.99       | 78923     | 2.6                      | 11.8      | <b>6.1</b>               | 0.28   | 0.72  | C25             |
| Nose, sinuses etc.           | 5498       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07       | 3714      | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 43582      | 1.3       | 6.7                      | <b>4.9</b>   | 0.30                     | 0.63       | 11230     | 0.4                      | 1.7       | <b>1.1</b>               | 0.07   | 0.14  | C32             |
| Trachea, bronchus and lung   | 503765     | 15.3      | 77.6                     | <b>53.5</b>  | 2.42                     | 6.78       | 417408    | 13.8                     | 62.3      | <b>36.4</b>              | 1.80   | 4.70  | C33-34          |
| Other thoracic organs        | 3460       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.04       | 2442      | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 7748       | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.09       | 6316      | 0.2                      | 0.9       | <b>0.9</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 135258     | 4.1       | 20.8                     | <b>15.1</b>  | 0.92                     | 1.70       | 103056    | 3.4                      | 15.4      | <b>11.1</b>              | 0.79   | 1.13  | C43             |
| Other skin                   | 10503      | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                     | 0.11       | 8793      | 0.3                      | 1.3       | <b>0.8</b>               | 0.05   | 0.08  | C44             |
| Mesothelioma                 | 10936      | 0.3       | 1.7                      | <b>1.1</b>   | 0.04                     | 0.12       | 3101      | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 5415       | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.06       | 725       | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 23639      | 0.7       | 3.6                      | <b>2.8</b>   | 0.16                     | 0.28       | 19209     | 0.6                      | 2.9       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 7939       | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.10       | 861058    | 28.5                     | 128.6     | <b>85.3</b>              | 6.03   | 9.87  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 17514     | 0.6                      | 2.6       | <b>1.5</b>               | 0.09   | 0.16  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 5057      | 0.2                      | 0.8       | <b>0.4</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 55899     | 1.9                      | 8.3       | <b>6.4</b>               | 0.51   | 0.63  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 168683    | 5.6                      | 25.2      | <b>16.9</b>              | 1.21   | 2.07  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 5684      | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 95307     | 3.2                      | 14.2      | <b>9.2</b>               | 0.61   | 1.05  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 4571      | 0.2                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 573       | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 4858       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 932757     | 28.4      | 143.7                    | <b>105.0</b> | 5.41                     | 14.28      |           |                          |           |                          |        |       | C61             |
| Testis                       | 34757      | 1.1       | 5.4                      | <b>4.9</b>   | 0.37                     | 0.38       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1327       | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 116256     | 3.5       | 17.9                     | <b>13.2</b>  | 0.82                     | 1.60       | 72827     | 2.4                      | 10.9      | <b>7.1</b>               | 0.43   | 0.83  | C64             |
| Renal pelvis                 | 5848       | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.07       | 4295      | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 4129       | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.05       | 2813      | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 210605     | 6.4       | 32.4                     | <b>21.3</b>  | 0.85                     | 2.49       | 71397     | 2.4                      | 10.7      | <b>5.6</b>               | 0.26   | 0.66  | C67             |
| Other urinary organs         | 2176       | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 1105      | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 6018       | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.08       | 5262      | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 49084      | 1.5       | 7.6                      | <b>6.3</b>   | 0.40                     | 0.62       | 40862     | 1.4                      | 6.1       | <b>4.8</b>               | 0.29   | 0.45  | C70-72          |
| Thyroid                      | 32133      | 1.0       | 4.9                      | <b>3.9</b>   | 0.29                     | 0.42       | 101729    | 3.4                      | 15.2      | <b>12.3</b>              | 0.95   | 1.19  | C73             |
| Adrenal gland                | 2013       | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02       | 2187      | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 1175       | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 879       | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 20229      | 0.6       | 3.1                      | <b>2.8</b>   | 0.19                     | 0.24       | 16892     | 0.6                      | 2.5       | <b>2.3</b>               | 0.15   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 138296     | 4.2       | 21.3                     | <b>15.4</b>  | 0.86                     | 1.71       | 121201    | 4.0                      | 18.1      | <b>10.9</b>              | 0.61   | 1.23  | C82-85,C96      |
| Immunoproliferative diseases | 2597       | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03       | 1837      | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 42082      | 1.3       | 6.5                      | <b>4.5</b>   | 0.22                     | 0.54       | 35530     | 1.2                      | 5.3       | <b>3.0</b>               | 0.16   | 0.36  | C90             |
| Lymphoid leukaemia           | 49330      | 1.5       | 7.6                      | <b>6.1</b>   | 0.30                     | 0.59       | 33891     | 1.1                      | 5.1       | <b>3.6</b>               | 0.18   | 0.32  | C91             |
| Myeloid leukaemia            | 41064      | 1.3       | 6.3                      | <b>4.6</b>   | 0.23                     | 0.48       | 33815     | 1.1                      | 5.1       | <b>3.3</b>               | 0.19   | 0.33  | C92-94          |
| Leukaemia unspecified        | 4295       | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.04       | 3979      | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 17800      | 0.5       | 2.7                      | <b>2.0</b>   | 0.11                     | 0.22       | 17072     | 0.6                      | 2.5       | <b>1.5</b>               | 0.08   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 30244      | 0.9       | 4.7                      | <b>2.8</b>   | 0.07                     | 0.28       | 24387     | 0.8                      | 3.6       | <b>1.7</b>               | 0.06   | 0.18  | MDS             |
| Other and unspecified        | 71198      | 2.2       | 11.0                     | <b>7.4</b>   | 0.36                     | 0.83       | 82099     | 2.7                      | 12.3      | <b>6.3</b>               | 0.30   | 0.70  | O&U             |
| All sites                    | 3292397    |           | 507.1                    | <b>363.4</b> | 19.09                    | 44.23      | 3026577   |                          | 452.0     | <b>284.6</b>             | 17.68  | 32.52 | C00-96          |
| All sites except C44         | 3281894    | 100.0     | 505.5                    | <b>362.3</b> | 19.03                    | 44.12      | 3017784   | 100.0                    | 450.7     | <b>283.8</b>             | 17.62  | 32.44 | C00-96 exc. C44 |

§Includes 249 cases of unknown age

§Includes 158 cases of unknown age

## USA, NPCR (42 states): American Indian (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 28         | 0.2       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.06      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 106        | 0.8       | 1.5                      | <b>1.5</b>   | 0.11                     | 0.18      | 52        | 0.4                      | 0.7       | <b>0.7</b>               | 0.05   | 0.09  | C01-02          |
| Mouth                        | 96         | 0.7       | 1.3                      | <b>1.4</b>   | 0.10                     | 0.17      | 64        | 0.4                      | 0.9       | <b>0.8</b>               | 0.06   | 0.09  | C03-06          |
| Salivary glands              | 33         | 0.2       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.05      | 35        | 0.2                      | 0.5       | <b>0.5</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 81         | 0.6       | 1.1                      | <b>1.2</b>   | 0.09                     | 0.14      | 29        | 0.2                      | 0.4       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 15         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C10             |
| Nasopharynx                  | 43         | 0.3       | 0.6                      | <b>0.7</b>   | 0.05                     | 0.09      | 26        | 0.2                      | 0.4       | <b>0.4</b>               | 0.03   | 0.04  | C11             |
| Hypopharynx                  | 57         | 0.4       | 0.8                      | <b>1.0</b>   | 0.04                     | 0.12      | 10        | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.02  | C12-13          |
| Pharynx unspecified          | 23         | 0.2       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.05      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 212        | 1.5       | 2.9                      | <b>3.3</b>   | 0.19                     | 0.43      | 73        | 0.5                      | 1.0       | <b>1.0</b>               | 0.06   | 0.12  | C15             |
| Stomach                      | 379        | 2.8       | 5.3                      | <b>6.0</b>   | 0.28                     | 0.73      | 237       | 1.7                      | 3.3       | <b>3.0</b>               | 0.17   | 0.32  | C16             |
| Small intestine              | 53         | 0.4       | 0.7                      | <b>0.9</b>   | 0.04                     | 0.12      | 44        | 0.3                      | 0.6       | <b>0.6</b>               | 0.02   | 0.07  | C17             |
| Colon                        | 1013       | 7.4       | 14.1                     | <b>15.8</b>  | 0.78                     | 1.90      | 1049      | 7.4                      | 14.6      | <b>13.6</b>              | 0.68   | 1.63  | C18             |
| Rectum                       | 544        | 4.0       | 7.6                      | <b>8.3</b>   | 0.48                     | 1.03      | 445       | 3.1                      | 6.2       | <b>5.8</b>               | 0.35   | 0.69  | C19-20          |
| Anus                         | 53         | 0.4       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.08      | 62        | 0.4                      | 0.9       | <b>0.8</b>               | 0.06   | 0.09  | C21             |
| Liver                        | 504        | 3.7       | 7.0                      | <b>7.5</b>   | 0.52                     | 0.90      | 244       | 1.7                      | 3.4       | <b>3.2</b>               | 0.15   | 0.37  | C22             |
| Gallbladder etc.             | 113        | 0.8       | 1.6                      | <b>1.8</b>   | 0.07                     | 0.22      | 161       | 1.1                      | 2.2       | <b>2.0</b>               | 0.07   | 0.26  | C23-24          |
| Pancreas                     | 314        | 2.3       | 4.4                      | <b>4.9</b>   | 0.24                     | 0.61      | 352       | 2.5                      | 4.9       | <b>4.6</b>               | 0.23   | 0.57  | C25             |
| Nose, sinuses etc.           | 22         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.05      | 16        | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C30-31          |
| Larynx                       | 193        | 1.4       | 2.7                      | <b>3.0</b>   | 0.18                     | 0.37      | 57        | 0.4                      | 0.8       | <b>0.8</b>               | 0.06   | 0.10  | C32             |
| Trachea, bronchus and lung   | 2231       | 16.3      | 31.0                     | <b>36.0</b>  | 1.56                     | 4.70      | 1987      | 14.0                     | 27.6      | <b>27.0</b>              | 1.29   | 3.51  | C33-34          |
| Other thoracic organs        | 18         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.02      | 10        | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C37-38          |
| Bone                         | 46         | 0.3       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.06      | 55        | 0.4                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 232        | 1.7       | 3.2                      | <b>3.4</b>   | 0.22                     | 0.38      | 226       | 1.6                      | 3.1       | <b>2.9</b>               | 0.19   | 0.30  | C43             |
| Other skin                   | 30         | 0.2       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05      | 40        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.06  | C44             |
| Mesothelioma                 | 28         | 0.2       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.06      | 18        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 28         | 0.2       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 2         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 112        | 0.8       | 1.6                      | <b>1.6</b>   | 0.10                     | 0.16      | 94        | 0.7                      | 1.3       | <b>1.3</b>               | 0.07   | 0.13  | C47+C49         |
| Breast                       | 19         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 3753      | 26.4                     | 52.2      | <b>49.2</b>              | 3.47   | 5.81  | C50             |
| Vulva                        |            |           |                          |              |                          |           | 78        | 0.5                      | 1.1       | <b>1.0</b>               | 0.06   | 0.11  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 25        | 0.2                      | 0.3       | <b>0.3</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 433       | 3.0                      | 6.0       | <b>5.5</b>               | 0.44   | 0.52  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 795       | 5.6                      | 11.1      | <b>10.6</b>              | 0.71   | 1.28  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 45        | 0.3                      | 0.6       | <b>0.6</b>               | 0.04   | 0.06  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 442       | 3.1                      | 6.1       | <b>5.8</b>               | 0.37   | 0.68  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 24        | 0.2                      | 0.3       | <b>0.3</b>               | 0.03   | 0.03  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 8         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 38         | 0.3       | 0.5                      | <b>0.6</b>   | 0.02                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3269       | 23.8      | 45.4                     | <b>53.9</b>  | 2.42                     | 7.22      |           |                          |           |                          |        |       | C61             |
| Testis                       | 224        | 1.6       | 3.1                      | <b>2.8</b>   | 0.20                     | 0.21      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 835        | 6.1       | 11.6                     | <b>12.5</b>  | 0.79                     | 1.52      | 593       | 4.2                      | 8.2       | <b>7.9</b>               | 0.51   | 0.91  | C64             |
| Renal pelvis                 | 14         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 12        | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.02  | C65             |
| Ureter                       | 1          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 12        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 515        | 3.8       | 7.2                      | <b>8.1</b>   | 0.35                     | 0.94      | 171       | 1.2                      | 2.4       | <b>2.1</b>               | 0.08   | 0.24  | C67             |
| Other urinary organs         | 6          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.02      | 8         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 21         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 17        | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 221        | 1.6       | 3.1                      | <b>3.2</b>   | 0.21                     | 0.28      | 191       | 1.3                      | 2.7       | <b>2.6</b>               | 0.15   | 0.23  | C70-72          |
| Thyroid                      | 126        | 0.9       | 1.8                      | <b>1.8</b>   | 0.13                     | 0.20      | 507       | 3.6                      | 7.0       | <b>6.5</b>               | 0.49   | 0.61  | C73             |
| Adrenal gland                | 11         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 13        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 11         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 88         | 0.6       | 1.2                      | <b>1.2</b>   | 0.08                     | 0.10      | 64        | 0.4                      | 0.9       | <b>0.9</b>               | 0.05   | 0.07  | C81             |
| Non-Hodgkin lymphoma         | 571        | 4.2       | 7.9                      | <b>8.6</b>   | 0.49                     | 0.97      | 519       | 3.6                      | 7.2       | <b>6.7</b>               | 0.35   | 0.78  | C82-85,C96      |
| Immunoproliferative diseases | 5          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 196        | 1.4       | 2.7                      | <b>3.0</b>   | 0.17                     | 0.39      | 199       | 1.4                      | 2.8       | <b>2.7</b>               | 0.15   | 0.34  | C90             |
| Lymphoid leukaemia           | 225        | 1.6       | 3.1                      | <b>3.5</b>   | 0.18                     | 0.31      | 135       | 0.9                      | 1.9       | <b>1.9</b>               | 0.08   | 0.18  | C91             |
| Myeloid leukaemia            | 185        | 1.3       | 2.6                      | <b>2.7</b>   | 0.15                     | 0.29      | 162       | 1.1                      | 2.3       | <b>2.1</b>               | 0.12   | 0.22  | C92-94          |
| Leukaemia unspecified        | 30         | 0.2       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.06      | 28        | 0.2                      | 0.4       | <b>0.4</b>               | 0.02   | 0.04  | C95             |
| Myeloproliferative disorders | 80         | 0.6       | 1.1                      | <b>1.2</b>   | 0.08                     | 0.13      | 61        | 0.4                      | 0.8       | <b>0.8</b>               | 0.04   | 0.10  | MPD             |
| Myelodysplastic syndromes    | 93         | 0.7       | 1.3                      | <b>1.4</b>   | 0.03                     | 0.15      | 117       | 0.8                      | 1.6       | <b>1.5</b>               | 0.05   | 0.18  | MDS             |
| Other and unspecified        | 354        | 2.6       | 4.9                      | <b>5.5</b>   | 0.29                     | 0.64      | 438       | 3.1                      | 6.1       | <b>5.5</b>               | 0.26   | 0.62  | O&U             |
| All sites                    | 13749      |           | 191.2                    | <b>214.9</b> | 11.02                    | 26.43     | 14266     |                          | 198.3     | <b>187.4</b>             | 11.24  | 21.86 | C00-96          |
| All sites except C44         | 13719      | 100.0     | 190.7                    | <b>214.5</b> | 11.00                    | 26.38     | 14226     | 100.0                    | 197.8     | <b>186.9</b>             | 11.22  | 21.81 | C00-96 exc. C44 |

§Includes 1 case of unknown age

## USA, NPCR (42 states): Asian and Pacific Islander (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 10         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 12         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 325        | 0.6       | 1.1                      | <b>1.0</b>   | 0.06                | 0.12                | 267        | 0.4       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08                | C01-02          |
| Mouth                        | 207        | 0.4       | 0.7                      | <b>0.7</b>   | 0.04                | 0.09                | 202        | 0.3       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | C03-06          |
| Salivary glands              | 192        | 0.3       | 0.7                      | <b>0.6</b>   | 0.04                | 0.06                | 196        | 0.3       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | C07-08          |
| Tonsil                       | 163        | 0.3       | 0.6                      | <b>0.5</b>   | 0.04                | 0.06                | 64         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C09             |
| Other oropharynx             | 33         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 11         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 997        | 1.8       | 3.4                      | <b>2.9</b>   | 0.23                | 0.32                | 467        | 0.7       | 1.5                      | <b>1.2</b>   | 0.09                | 0.12                | C11             |
| Hypopharynx                  | 88         | 0.2       | 0.3                      | <b>0.3</b>   | 0.01                | 0.03                | 12         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 24         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 6          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 627        | 1.1       | 2.1                      | <b>2.0</b>   | 0.09                | 0.23                | 215        | 0.3       | 0.7                      | <b>0.5</b>   | 0.02                | 0.06                | C15             |
| Stomach                      | 2981       | 5.3       | 10.2                     | <b>9.4</b>   | 0.42                | 1.06                | 2269       | 3.5       | 7.3                      | <b>5.6</b>   | 0.27                | 0.63                | C16             |
| Small intestine              | 197        | 0.4       | 0.7                      | <b>0.6</b>   | 0.03                | 0.07                | 184        | 0.3       | 0.6                      | <b>0.5</b>   | 0.02                | 0.06                | C17             |
| Colon                        | 4566       | 8.2       | 15.6                     | <b>14.5</b>  | 0.64                | 1.67                | 5106       | 7.8       | 16.4                     | <b>12.7</b>  | 0.62                | 1.46                | C18             |
| Rectum                       | 2796       | 5.0       | 9.6                      | <b>8.9</b>   | 0.51                | 1.07                | 2332       | 3.6       | 7.5                      | <b>5.9</b>   | 0.36                | 0.68                | C19-20          |
| Anus                         | 93         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | 135        | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                | 0.04                | C21             |
| Liver                        | 4701       | 8.4       | 16.1                     | <b>15.1</b>  | 0.91                | 1.86                | 1995       | 3.1       | 6.4                      | <b>5.1</b>   | 0.22                | 0.64                | C22             |
| Gallbladder etc.             | 611        | 1.1       | 2.1                      | <b>1.9</b>   | 0.08                | 0.23                | 737        | 1.1       | 2.4                      | <b>1.8</b>   | 0.08                | 0.21                | C23-24          |
| Pancreas                     | 1465       | 2.6       | 5.0                      | <b>4.6</b>   | 0.20                | 0.51                | 1658       | 2.5       | 5.3                      | <b>4.0</b>   | 0.17                | 0.46                | C25             |
| Nose, sinuses etc.           | 145        | 0.3       | 0.5                      | <b>0.5</b>   | 0.03                | 0.05                | 84         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C30-31          |
| Larynx                       | 374        | 0.7       | 1.3                      | <b>1.2</b>   | 0.06                | 0.15                | 68         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C32             |
| Trachea, bronchus and lung   | 8318       | 14.9      | 28.5                     | <b>26.4</b>  | 1.04                | 3.10                | 6263       | 9.6       | 20.2                     | <b>15.8</b>  | 0.70                | 1.93                | C33-34          |
| Other thoracic organs        | 166        | 0.3       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05                | 114        | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 168        | 0.3       | 0.6                      | <b>0.6</b>   | 0.03                | 0.05                | 161        | 0.2       | 0.5                      | <b>0.5</b>   | 0.03                | 0.04                | C40-41          |
| Melanoma of skin             | 253        | 0.5       | 0.9                      | <b>0.8</b>   | 0.04                | 0.09                | 293        | 0.4       | 0.9                      | <b>0.8</b>   | 0.05                | 0.08                | C43             |
| Other skin                   | 146        | 0.3       | 0.5                      | <b>0.5</b>   | 0.02                | 0.05                | 192        | 0.3       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | C44             |
| Mesothelioma                 | 81         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.03                | 45         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C45             |
| Kaposi sarcoma               | 75         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 7          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 449        | 0.8       | 1.5                      | <b>1.5</b>   | 0.09                | 0.14                | 446        | 0.7       | 1.4                      | <b>1.2</b>   | 0.07                | 0.12                | C47+C49         |
| Breast                       | 115        | 0.2       | 0.4                      | <b>0.4</b>   | 0.02                | 0.04                | 19768      | 30.3      | 63.7                     | <b>51.7</b>  | 3.90                | 5.83                | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 151        | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 116        | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                | 0.04                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 2068       | 3.2       | 6.7                      | <b>5.3</b>   | 0.41                | 0.56                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 3644       | 5.6       | 11.7                     | <b>9.7</b>   | 0.76                | 1.13                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 95         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 2295       | 3.5       | 7.4                      | <b>6.0</b>   | 0.43                | 0.66                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 110        | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 40         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 67         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 12415      | 22.2      | 42.5                     | <b>41.9</b>  | 1.61                | 5.70                |            |           |                          |              |                     |                     | C61             |
| Testis                       | 381        | 0.7       | 1.3                      | <b>1.1</b>   | 0.08                | 0.08                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 49         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 1507       | 2.7       | 5.2                      | <b>4.9</b>   | 0.28                | 0.58                | 933        | 1.4       | 3.0                      | <b>2.4</b>   | 0.14                | 0.29                | C64             |
| Renal pelvis                 | 108        | 0.2       | 0.4                      | <b>0.4</b>   | 0.01                | 0.04                | 97         | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                | 0.03                | C65             |
| Ureter                       | 87         | 0.2       | 0.3                      | <b>0.3</b>   | 0.01                | 0.04                | 66         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                | 0.02                | C66             |
| Bladder                      | 2182       | 3.9       | 7.5                      | <b>6.9</b>   | 0.25                | 0.77                | 758        | 1.2       | 2.4                      | <b>1.8</b>   | 0.07                | 0.20                | C67             |
| Other urinary organs         | 36         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 27         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 56         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 63         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C69             |
| Brain, nervous system        | 795        | 1.4       | 2.7                      | <b>2.7</b>   | 0.16                | 0.24                | 737        | 1.1       | 2.4                      | <b>2.2</b>   | 0.13                | 0.20                | C70-72          |
| Thyroid                      | 961        | 1.7       | 3.3                      | <b>2.9</b>   | 0.20                | 0.33                | 4226       | 6.5       | 13.6                     | <b>11.1</b>  | 0.84                | 1.11                | C73             |
| Adrenal gland                | 38         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01                | 60         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C74             |
| Other endocrine              | 40         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01                | 29         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 299        | 0.5       | 1.0                      | <b>1.0</b>   | 0.06                | 0.08                | 226        | 0.3       | 0.7                      | <b>0.7</b>   | 0.04                | 0.05                | C81             |
| Non-Hodgkin lymphoma         | 2486       | 4.4       | 8.5                      | <b>7.9</b>   | 0.40                | 0.85                | 2332       | 3.6       | 7.5                      | <b>6.0</b>   | 0.33                | 0.66                | C82-85,C96      |
| Immunoproliferative diseases | 33         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 23         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C88             |
| Multiple myeloma             | 607        | 1.1       | 2.1                      | <b>1.9</b>   | 0.09                | 0.22                | 583        | 0.9       | 1.9                      | <b>1.5</b>   | 0.07                | 0.18                | C90             |
| Lymphoid leukaemia           | 550        | 1.0       | 1.9                      | <b>2.1</b>   | 0.10                | 0.16                | 416        | 0.6       | 1.3                      | <b>1.5</b>   | 0.08                | 0.11                | C91             |
| Myeloid leukaemia            | 937        | 1.7       | 3.2                      | <b>3.0</b>   | 0.15                | 0.28                | 766        | 1.2       | 2.5                      | <b>2.1</b>   | 0.12                | 0.20                | C92-94          |
| Leukaemia unspecified        | 50         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 56         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C95             |
| Myeloproliferative disorders | 307        | 0.5       | 1.1                      | <b>1.0</b>   | 0.05                | 0.11                | 345        | 0.5       | 1.1                      | <b>0.9</b>   | 0.05                | 0.10                | MPD             |
| Myelodysplastic syndromes    | 535        | 1.0       | 1.8                      | <b>1.6</b>   | 0.04                | 0.15                | 475        | 0.7       | 1.5                      | <b>1.1</b>   | 0.03                | 0.10                | MDS             |
| Other and unspecified        | 1228       | 2.2       | 4.2                      | <b>3.8</b>   | 0.18                | 0.41                | 1471       | 2.3       | 4.7                      | <b>3.6</b>   | 0.16                | 0.37                | O&U             |
| All sites                    | 56120      |           | 192.2                    | <b>180.9</b> | 8.46                | 21.34               | 65517      |           | 211.0                    | <b>169.2</b> | 10.62               | 18.90               | C00-96          |
| All sites except C44         | 55974      | 100.0     | 191.7                    | <b>180.4</b> | 8.44                | 21.29               | 65325      | 100.0     | 210.4                    | <b>168.7</b> | 10.59               | 18.85               | C00-96 exc. C44 |

§Includes 5 cases of unknown age

§Includes 3 cases of unknown age



## USA, NPCR (42 states): Black (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 64         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       | 50        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 2269       | 0.7       | 2.7                      | <b>2.8</b>   | 0.21                     | 0.35       | 845       | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.09  | C01-02          |
| Mouth                        | 2089       | 0.6       | 2.5                      | <b>2.6</b>   | 0.19                     | 0.31       | 1171      | 0.4                      | 1.3       | <b>1.0</b>               | 0.07   | 0.12  | C03-06          |
| Salivary glands              | 668        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.09       | 758       | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.08  | C07-08          |
| Tonsil                       | 1784       | 0.5       | 2.1                      | <b>2.1</b>   | 0.17                     | 0.26       | 505       | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 803        | 0.2       | 1.0                      | <b>1.0</b>   | 0.07                     | 0.12       | 253       | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C10             |
| Nasopharynx                  | 759        | 0.2       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.09       | 320       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 1457       | 0.4       | 1.7                      | <b>1.8</b>   | 0.13                     | 0.23       | 295       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 411        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.06       | 147       | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 5614       | 1.6       | 6.7                      | <b>7.0</b>   | 0.43                     | 0.89       | 2337      | 0.8                      | 2.5       | <b>2.1</b>               | 0.12   | 0.26  | C15             |
| Stomach                      | 8254       | 2.4       | 9.8                      | <b>10.0</b>  | 0.49                     | 1.16       | 6182      | 2.0                      | 6.7       | <b>4.9</b>               | 0.24   | 0.54  | C16             |
| Small intestine              | 1947       | 0.6       | 2.3                      | <b>2.4</b>   | 0.15                     | 0.29       | 2099      | 0.7                      | 2.3       | <b>1.8</b>               | 0.12   | 0.22  | C17             |
| Colon                        | 25704      | 7.5       | 30.7                     | <b>31.3</b>  | 1.66                     | 3.73       | 29817     | 9.8                      | 32.4      | <b>25.0</b>              | 1.38   | 2.94  | C18             |
| Rectum                       | 9401       | 2.8       | 11.2                     | <b>11.3</b>  | 0.70                     | 1.36       | 8354      | 2.7                      | 9.1       | <b>7.3</b>               | 0.46   | 0.86  | C19-20          |
| Anus                         | 1125       | 0.3       | 1.3                      | <b>1.3</b>   | 0.10                     | 0.14       | 1171      | 0.4                      | 1.3       | <b>1.0</b>               | 0.07   | 0.12  | C21             |
| Liver                        | 8375       | 2.5       | 10.0                     | <b>10.0</b>  | 0.77                     | 1.19       | 3030      | 1.0                      | 3.3       | <b>2.6</b>               | 0.17   | 0.31  | C22             |
| Gallbladder etc.             | 1334       | 0.4       | 1.6                      | <b>1.6</b>   | 0.08                     | 0.19       | 2219      | 0.7                      | 2.4       | <b>1.8</b>               | 0.09   | 0.21  | C23-24          |
| Pancreas                     | 8694       | 2.5       | 10.4                     | <b>10.7</b>  | 0.59                     | 1.31       | 10162     | 3.3                      | 11.0      | <b>8.2</b>               | 0.39   | 0.96  | C25             |
| Nose, sinuses etc.           | 574        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.08       | 399       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 6262       | 1.8       | 7.5                      | <b>7.8</b>   | 0.51                     | 1.00       | 1580      | 0.5                      | 1.7       | <b>1.5</b>               | 0.10   | 0.19  | C32             |
| Trachea, bronchus and lung   | 54539      | 16.0      | 65.1                     | <b>67.8</b>  | 3.57                     | 8.55       | 39288     | 12.9                     | 42.7      | <b>34.6</b>              | 1.92   | 4.38  | C33-34          |
| Other thoracic organs        | 411        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.05       | 424       | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 755        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.07       | 755       | 0.2                      | 0.8       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 558        | 0.2       | 0.7                      | <b>0.7</b>   | 0.03                     | 0.07       | 791       | 0.3                      | 0.9       | <b>0.7</b>               | 0.04   | 0.07  | C43             |
| Other skin                   | 760        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.08       | 975       | 0.3                      | 1.1       | <b>0.9</b>               | 0.07   | 0.09  | C44             |
| Mesothelioma                 | 494        | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.07       | 162       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 1411       | 0.4       | 1.7                      | <b>1.5</b>   | 0.12                     | 0.13       | 208       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C46             |
| Connective and soft tissue   | 2166       | 0.6       | 2.6                      | <b>2.5</b>   | 0.16                     | 0.24       | 2459      | 0.8                      | 2.7       | <b>2.4</b>               | 0.16   | 0.24  | C47+C49         |
| Breast                       | 946        | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.13       | 91046     | 29.8                     | 98.9      | <b>82.0</b>              | 5.94   | 9.35  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 1374      | 0.5                      | 1.5       | <b>1.2</b>               | 0.09   | 0.12  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 808       | 0.3                      | 0.9       | <b>0.7</b>               | 0.04   | 0.07  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 8798      | 2.9                      | 9.6       | <b>8.0</b>               | 0.60   | 0.83  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 15414     | 5.1                      | 16.8      | <b>14.4</b>              | 0.91   | 1.85  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 1060      | 0.3                      | 1.2       | <b>0.9</b>               | 0.06   | 0.11  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 7729      | 2.5                      | 8.4       | <b>6.9</b>               | 0.44   | 0.79  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 403       | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 127       | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 524        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 126096     | 36.9      | 150.4                    | <b>162.3</b> | 9.20                     | 21.75      |           |                          |           |                          |        |       | C61             |
| Testis                       | 1076       | 0.3       | 1.3                      | <b>1.2</b>   | 0.09                     | 0.09       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 107        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 12134      | 3.6       | 14.5                     | <b>14.8</b>  | 0.96                     | 1.79       | 8371      | 2.7                      | 9.1       | <b>7.6</b>               | 0.48   | 0.89  | C64             |
| Renal pelvis                 | 254        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.04       | 188       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 136        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 128       | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 8947       | 2.6       | 10.7                     | <b>10.9</b>  | 0.47                     | 1.25       | 4814      | 1.6                      | 5.2       | <b>3.8</b>               | 0.15   | 0.43  | C67             |
| Other urinary organs         | 246        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.04       | 239       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C68             |
| Eye                          | 219        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 195       | 0.1                      | 0.2       | <b>0.3</b>               | 0.01   | 0.02  | C69             |
| Brain, nervous system        | 3225       | 0.9       | 3.8                      | <b>3.9</b>   | 0.25                     | 0.38       | 3076      | 1.0                      | 3.3       | <b>3.1</b>               | 0.19   | 0.28  | C70-72          |
| Thyroid                      | 1767       | 0.5       | 2.1                      | <b>2.1</b>   | 0.15                     | 0.23       | 7969      | 2.6                      | 8.7       | <b>7.5</b>               | 0.59   | 0.77  | C73             |
| Adrenal gland                | 238        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 278       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 160        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 175       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 2289       | 0.7       | 2.7                      | <b>2.6</b>   | 0.19                     | 0.23       | 1987      | 0.7                      | 2.2       | <b>2.0</b>               | 0.14   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 10493      | 3.1       | 12.5                     | <b>12.3</b>  | 0.83                     | 1.33       | 9242      | 3.0                      | 10.0      | <b>8.3</b>               | 0.54   | 0.92  | C82-85,C96      |
| Immunoproliferative diseases | 113        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       | 92        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 7041       | 2.1       | 8.4                      | <b>8.7</b>   | 0.47                     | 1.06       | 7382      | 2.4                      | 8.0       | <b>6.3</b>               | 0.35   | 0.77  | C90             |
| Lymphoid leukaemia           | 3446       | 1.0       | 4.1                      | <b>4.3</b>   | 0.22                     | 0.45       | 2463      | 0.8                      | 2.7       | <b>2.3</b>               | 0.12   | 0.23  | C91             |
| Myeloid leukaemia            | 3227       | 0.9       | 3.8                      | <b>3.8</b>   | 0.21                     | 0.40       | 3299      | 1.1                      | 3.6       | <b>3.0</b>               | 0.18   | 0.30  | C92-94          |
| Leukaemia unspecified        | 345        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.04       | 323       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 1385       | 0.4       | 1.7                      | <b>1.6</b>   | 0.09                     | 0.18       | 1496      | 0.5                      | 1.6       | <b>1.3</b>               | 0.07   | 0.14  | MPD             |
| Myelodysplastic syndromes    | 1577       | 0.5       | 1.9                      | <b>1.9</b>   | 0.07                     | 0.20       | 1760      | 0.6                      | 1.9       | <b>1.4</b>               | 0.06   | 0.15  | MDS             |
| Other and unspecified        | 7549       | 2.2       | 9.0                      | <b>9.1</b>   | 0.50                     | 1.06       | 9025      | 3.0                      | 9.8       | <b>7.3</b>               | 0.37   | 0.81  | O&U             |
| All sites                    | 342222     |           | 408.3                    | <b>425.5</b> | 24.40                    | 52.95      | 306017    |                          | 332.5     | <b>270.8</b>             | 17.15  | 31.19 | C00-96          |
| All sites except C44         | 341462     | 100.0     | 407.3                    | <b>424.6</b> | 24.33                    | 52.86      | 305042    | 100.0                    | 331.5     | <b>269.8</b>             | 17.08  | 31.10 | C00-96 exc. C44 |

§Includes 12 cases of unknown age

§Includes 5 cases of unknown age

## USA, NPCR (42 states): White (2003-2007)

| SITE                         | Male       |           |                          |           |                     |                     | Female     |           |                          |           |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|-----------|---------------------|---------------------|------------|-----------|--------------------------|-----------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 6098       | 0.2       | 1.2                      | 0.7       | 0.04                | 0.08                | 1855       | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C00             |
| Tongue                       | 24962      | 0.9       | 4.7                      | 3.4       | 0.25                | 0.41                | 10567      | 0.4       | 2.0                      | 1.2       | 0.08                | 0.14                | C01-02          |
| Mouth                        | 14878      | 0.5       | 2.8                      | 2.0       | 0.13                | 0.24                | 10419      | 0.4       | 1.9                      | 1.0       | 0.06                | 0.12                | C03-06          |
| Salivary glands              | 8442       | 0.3       | 1.6                      | 1.0       | 0.05                | 0.11                | 5632       | 0.2       | 1.0                      | 0.7       | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 16238      | 0.6       | 3.1                      | 2.3       | 0.19                | 0.26                | 4000       | 0.2       | 0.7                      | 0.5       | 0.04                | 0.06                | C09             |
| Other oropharynx             | 3876       | 0.1       | 0.7                      | 0.5       | 0.04                | 0.07                | 1443       | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 3444       | 0.1       | 0.7                      | 0.5       | 0.04                | 0.05                | 1465       | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 6362       | 0.2       | 1.2                      | 0.8       | 0.05                | 0.11                | 1729       | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 2188       | 0.1       | 0.4                      | 0.3       | 0.02                | 0.03                | 823        | 0.0       | 0.2                      | 0.1       | 0.00                | 0.01                | C14             |
| Oesophagus                   | 45766      | 1.6       | 8.7                      | 5.7       | 0.32                | 0.72                | 12407      | 0.5       | 2.3                      | 1.2       | 0.05                | 0.14                | C15             |
| Stomach                      | 43700      | 1.6       | 8.3                      | 5.3       | 0.26                | 0.62                | 26864      | 1.0       | 5.0                      | 2.5       | 0.12                | 0.28                | C16             |
| Small intestine              | 11598      | 0.4       | 2.2                      | 1.5       | 0.09                | 0.18                | 10071      | 0.4       | 1.9                      | 1.1       | 0.06                | 0.13                | C17             |
| Colon                        | 193656     | 6.9       | 36.6                     | 23.0      | 1.06                | 2.68                | 201540     | 7.8       | 37.4                     | 18.0      | 0.83                | 2.04                | C18             |
| Rectum                       | 87635      | 3.1       | 16.6                     | 11.1      | 0.65                | 1.35                | 64458      | 2.5       | 12.0                     | 6.7       | 0.40                | 0.78                | C19-20          |
| Anus                         | 6869       | 0.2       | 1.3                      | 0.9       | 0.06                | 0.10                | 11726      | 0.5       | 2.2                      | 1.4       | 0.10                | 0.16                | C21             |
| Liver                        | 45080      | 1.6       | 8.5                      | 5.8       | 0.37                | 0.69                | 18913      | 0.7       | 3.5                      | 1.9       | 0.10                | 0.22                | C22             |
| Gallbladder etc.             | 13492      | 0.5       | 2.6                      | 1.5       | 0.07                | 0.18                | 17013      | 0.7       | 3.2                      | 1.5       | 0.07                | 0.17                | C23-24          |
| Pancreas                     | 66830      | 2.4       | 12.6                     | 8.0       | 0.40                | 0.97                | 66214      | 2.6       | 12.3                     | 5.9       | 0.27                | 0.69                | C25             |
| Nose, sinuses etc.           | 4674       | 0.2       | 0.9                      | 0.6       | 0.04                | 0.07                | 3163       | 0.1       | 0.6                      | 0.3       | 0.02                | 0.04                | C30-31          |
| Larynx                       | 36307      | 1.3       | 6.9                      | 4.7       | 0.29                | 0.60                | 9451       | 0.4       | 1.8                      | 1.1       | 0.07                | 0.14                | C32             |
| Trachea, bronchus and lung   | 435876     | 15.5      | 82.4                     | 52.8      | 2.34                | 6.70                | 367779     | 14.2      | 68.2                     | 37.3      | 1.82                | 4.83                | C33-34          |
| Other thoracic organs        | 2802       | 0.1       | 0.5                      | 0.4       | 0.03                | 0.04                | 1860       | 0.1       | 0.3                      | 0.2       | 0.02                | 0.03                | C37-38          |
| Bone                         | 6595       | 0.2       | 1.2                      | 1.1       | 0.07                | 0.09                | 5208       | 0.2       | 1.0                      | 0.9       | 0.05                | 0.07                | C40-41          |
| Melanoma of skin             | 128924     | 4.6       | 24.4                     | 16.8      | 1.03                | 1.89                | 96757      | 3.7       | 17.9                     | 12.7      | 0.91                | 1.28                | C43             |
| Other skin                   | 9200       | 0.3       | 1.7                      | 1.1       | 0.05                | 0.11                | 7236       | 0.3       | 1.3                      | 0.8       | 0.05                | 0.08                | C44             |
| Mesothelioma                 | 10262      | 0.4       | 1.9                      | 1.1       | 0.04                | 0.13                | 2851       | 0.1       | 0.5                      | 0.3       | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 3651       | 0.1       | 0.7                      | 0.5       | 0.04                | 0.05                | 488        | 0.0       | 0.1                      | 0.0       | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 20395      | 0.7       | 3.9                      | 2.8       | 0.16                | 0.28                | 15842      | 0.6       | 2.9                      | 2.1       | 0.13                | 0.20                | C47+C49         |
| Breast                       | 6711       | 0.2       | 1.3                      | 0.8       | 0.04                | 0.10                | 734383     | 28.4      | 136.2                    | 86.0      | 6.05                | 9.99                | C50             |
| Vulva                        |            |           |                          |           |                     |                     | 15617      | 0.6       | 2.9                      | 1.6       | 0.10                | 0.17                | C51             |
| Vagina                       |            |           |                          |           |                     |                     | 4035       | 0.2       | 0.7                      | 0.4       | 0.02                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |           |                     |                     | 43408      | 1.7       | 8.0                      | 6.2       | 0.49                | 0.60                | C53             |
| Corpus uteri                 |            |           |                          |           |                     |                     | 146130     | 5.6       | 27.1                     | 17.3      | 1.26                | 2.12                | C54             |
| Uterus unspecified           |            |           |                          |           |                     |                     | 4383       | 0.2       | 0.8                      | 0.4       | 0.03                | 0.05                | C55             |
| Ovary                        |            |           |                          |           |                     |                     | 83672      | 3.2       | 15.5                     | 9.5       | 0.63                | 1.09                | C56             |
| Other female genital organs  |            |           |                          |           |                     |                     | 3976       | 0.2       | 0.7                      | 0.4       | 0.03                | 0.05                | C57             |
| Placenta                     |            |           |                          |           |                     |                     | 379        | 0.0       | 0.1                      | 0.1       | 0.01                | 0.01                | C58             |
| Penis                        | 4139       | 0.1       | 0.8                      | 0.5       | 0.03                | 0.06                |            |           |                          |           |                     |                     | C60             |
| Prostate                     | 758823     | 27.1      | 143.4                    | 97.8      | 4.98                | 13.36               |            |           |                          |           |                     |                     | C61             |
| Testis                       | 32219      | 1.1       | 6.1                      | 5.7       | 0.42                | 0.43                |            |           |                          |           |                     |                     | C62             |
| Other male genital organs    | 1123       | 0.0       | 0.2                      | 0.1       | 0.01                | 0.02                |            |           |                          |           |                     |                     | C63             |
| Kidney                       | 100348     | 3.6       | 19.0                     | 13.2      | 0.81                | 1.59                | 62156      | 2.4       | 11.5                     | 7.1       | 0.43                | 0.83                | C64             |
| Renal pelvis                 | 5422       | 0.2       | 1.0                      | 0.6       | 0.02                | 0.07                | 3975       | 0.2       | 0.7                      | 0.3       | 0.01                | 0.04                | C65             |
| Ureter                       | 3877       | 0.1       | 0.7                      | 0.4       | 0.02                | 0.05                | 2585       | 0.1       | 0.5                      | 0.2       | 0.01                | 0.03                | C66             |
| Bladder                      | 195453     | 7.0       | 36.9                     | 22.5      | 0.91                | 2.65                | 64513      | 2.5       | 12.0                     | 5.9       | 0.27                | 0.70                | C67             |
| Other urinary organs         | 1826       | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | 810        | 0.0       | 0.2                      | 0.1       | 0.00                | 0.01                | C68             |
| Eye                          | 5533       | 0.2       | 1.0                      | 0.8       | 0.05                | 0.08                | 4861       | 0.2       | 0.9                      | 0.7       | 0.04                | 0.06                | C69             |
| Brain, nervous system        | 44121      | 1.6       | 8.3                      | 6.8       | 0.42                | 0.66                | 36272      | 1.4       | 6.7                      | 5.1       | 0.31                | 0.48                | C70-72          |
| Thyroid                      | 28568      | 1.0       | 5.4                      | 4.1       | 0.30                | 0.45                | 86474      | 3.3       | 16.0                     | 12.8      | 1.00                | 1.23                | C73             |
| Adrenal gland                | 1692       | 0.1       | 0.3                      | 0.4       | 0.02                | 0.02                | 1798       | 0.1       | 0.3                      | 0.3       | 0.02                | 0.03                | C74             |
| Other endocrine              | 934        | 0.0       | 0.2                      | 0.2       | 0.01                | 0.01                | 648        | 0.0       | 0.1                      | 0.1       | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 17124      | 0.6       | 3.2                      | 2.9       | 0.19                | 0.24                | 14283      | 0.6       | 2.6                      | 2.4       | 0.16                | 0.19                | C81             |
| Non-Hodgkin lymphoma         | 122282     | 4.4       | 23.1                     | 15.7      | 0.87                | 1.75                | 106844     | 4.1       | 19.8                     | 11.1      | 0.62                | 1.27                | C82-85,C96      |
| Immunoproliferative diseases | 2395       | 0.1       | 0.5                      | 0.3       | 0.01                | 0.03                | 1682       | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 33578      | 1.2       | 6.3                      | 4.0       | 0.20                | 0.48                | 26846      | 1.0       | 5.0                      | 2.6       | 0.13                | 0.31                | C90             |
| Lymphoid leukaemia           | 43654      | 1.6       | 8.3                      | 6.3       | 0.31                | 0.61                | 29866      | 1.2       | 5.5                      | 3.8       | 0.18                | 0.34                | C91             |
| Myeloid leukaemia            | 36082      | 1.3       | 6.8                      | 4.7       | 0.24                | 0.48                | 29096      | 1.1       | 5.4                      | 3.3       | 0.19                | 0.33                | C92-94          |
| Leukaemia unspecified        | 3776       | 0.1       | 0.7                      | 0.4       | 0.01                | 0.04                | 3492       | 0.1       | 0.6                      | 0.3       | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 15518      | 0.6       | 2.9                      | 2.0       | 0.11                | 0.22                | 14729      | 0.6       | 2.7                      | 1.5       | 0.08                | 0.16                | MPD             |
| Myelodysplastic syndromes    | 27597      | 1.0       | 5.2                      | 2.9       | 0.08                | 0.29                | 21633      | 0.8       | 4.0                      | 1.7       | 0.06                | 0.18                | MDS             |
| Other and unspecified        | 61274      | 2.2       | 11.6                     | 7.2       | 0.35                | 0.81                | 70297      | 2.7       | 13.0                     | 6.2       | 0.29                | 0.69                | O&U             |
| All sites                    | 2813869    |           | 531.9                    | 357.0     | 18.57               | 43.35               | 2596617    |           | 481.5                    | 287.5     | 17.81               | 32.86               | C00-96          |
| All sites except C44         | 2804669    | 100.0     | 530.1                    | 355.9     | 18.52               | 43.24               | 2589381    | 100.0     | 480.1                    | 286.7     | 17.77               | 32.78               | C00-96 exc. C44 |

§Includes 69 cases of unknown age

§Includes 61 cases of unknown age

# USA, SEER

## REGISTRATION AREA

Participant registries in the Surveillance, Epidemiology, and End Results (SEER) Program were selected on the basis of their ability to operate and maintain a high-quality population-based cancer reporting system, and for their epidemiologically significant population subgroups. The SEER Program currently covers approximately 26% of the United States population. However, for consistency with earlier IARC publications, data were submitted from the original nine SEER areas: five states (Connecticut, Iowa, New Mexico, Utah, and Hawaii) and four metropolitan areas (the San Francisco Bay area, California; Detroit, Michigan; Atlanta, Georgia; and Seattle, Washington). These registries cover approximately 10% of the United States population, and are fairly comparable to the country's general population with regard to measures of poverty and education.

## REGISTRY STRUCTURE AND METHODS

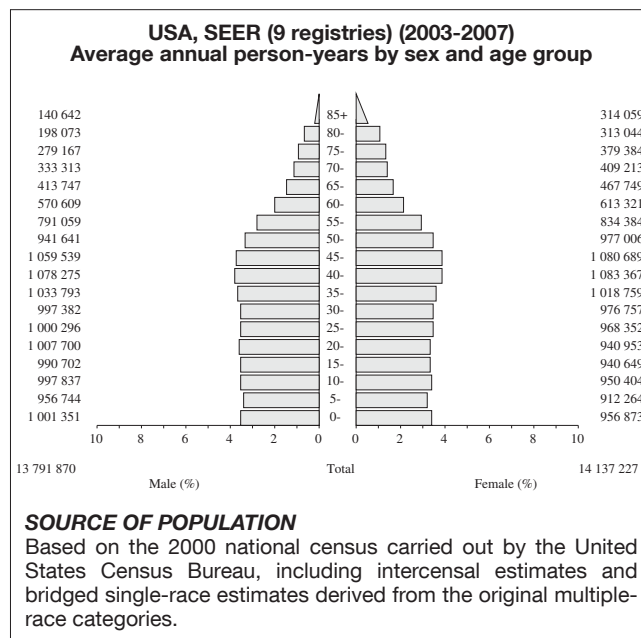
The SEER Program is a continuing project of the Surveillance Research Program of the United States National Cancer Institute (NCI). It was initiated in 1973 as an outgrowth of the End Results Program and the three National Cancer Surveys. The programme aims to determine the incidence of cancer in selected geographical areas in relation to certain demographic and social characteristics of the population, and to estimate annual incidence in the USA. Trends in incidence by site and histology are monitored, as are survival and trends in survival. Studies are conducted to identify possible etiological factors, which can identify groups within the population at high or low risk of cancer. Participant registries transmit data to NCI within 13 months after the end of each calendar year. In addition to all malignant and in situ neoplasms as defined by ICD-O (with the exception of non-melanoma skin cancers and cervical carcinoma in situ since 1996), the registries collect information about extent of disease and first course of therapy. Neither patient names nor the names of treating facilities are provided to NCI.

## USE OF THE DATA

SEER data are updated annually and provided as a public service. The data are used by thousands of researchers, clinicians, public health officials, legislators, policy-makers, community groups, and the public. SEER publications and data are available from the SEER website (<http://www.seer.cancer.gov/>).

## CONTRIBUTORS

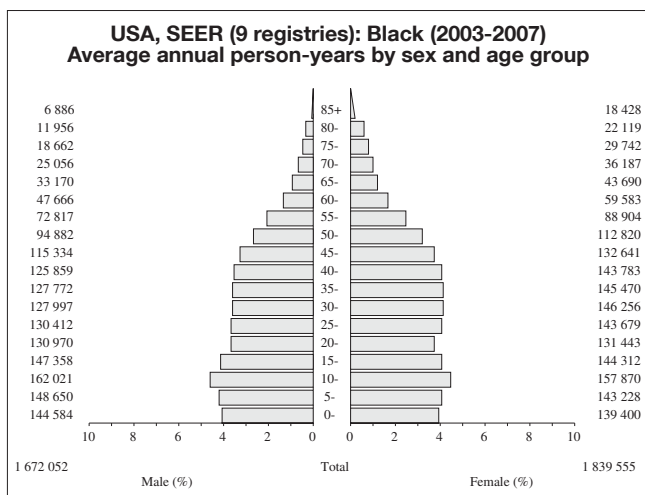
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## USA, SEER (9 REGISTRIES)

### 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

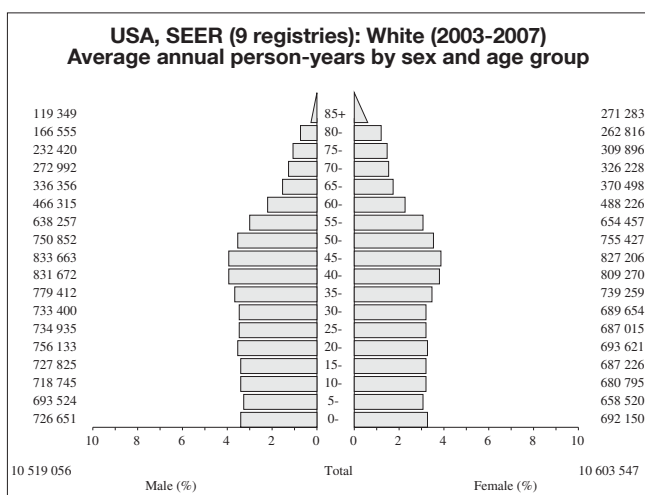
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 112.7 | Breast                     | 89.2  |
| Trachea, bronchus and lung | 45.8  | Trachea, bronchus and lung | 33.4  |
| Colon                      | 22.3  | Colon                      | 18.3  |
| Bladder                    | 21.0  | Corpus uteri               | 18.0  |
| Melanoma of skin           | 17.3  | Thyroid                    | 13.2  |
| Non-Hodgkin lymphoma       | 16.3  | Melanoma of skin           | 13.2  |
| Kidney                     | 12.3  | Non-Hodgkin lymphoma       | 11.4  |
| Rectum                     | 11.2  | Ovary                      | 9.3   |
| Pancreas                   | 8.4   | Rectum                     | 6.8   |
| Liver                      | 7.4   | Kidney                     | 6.6   |
| All sites                  | 364.2 | All sites                  | 288.2 |



NOTES ON THE DATA: \*No official mortality data.

**USA, SEER (9 REGISTRIES): BLACK**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

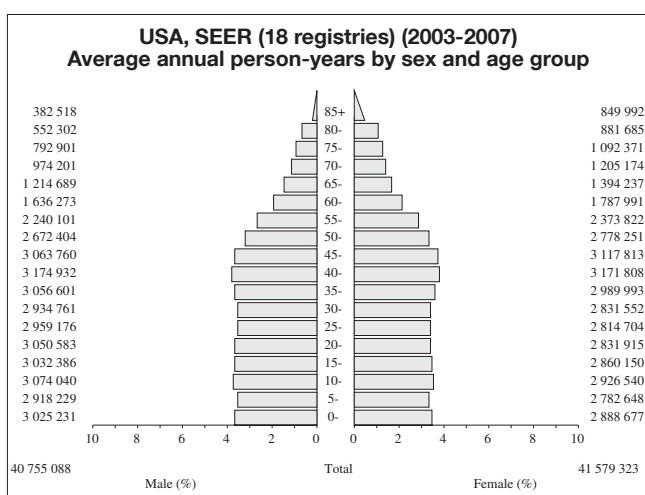
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 178.6 | Breast                     | 85.7  |
| Trachea, bronchus and lung | 66.8  | Trachea, bronchus and lung | 37.4  |
| Colon                      | 30.2  | Colon                      | 24.9  |
| Kidney                     | 15.3  | Corpus uteri               | 14.5  |
| Non-Hodgkin lymphoma       | 14.4  | Non-Hodgkin lymphoma       | 9.6   |
| Bladder                    | 11.9  | Pancreas                   | 9.0   |
| Liver                      | 11.6  | Rectum                     | 8.1   |
| Pancreas                   | 11.4  | Ovary                      | 7.5   |
| Rectum                     | 11.3  | Kidney                     | 7.3   |
| Stomach                    | 10.4  | Cervix uteri               | 7.1   |
| All sites                  | 446.6 | All sites                  | 282.3 |



NOTES ON THE DATA: \*No official mortality data.

**USA, SEER (9 REGISTRIES): WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

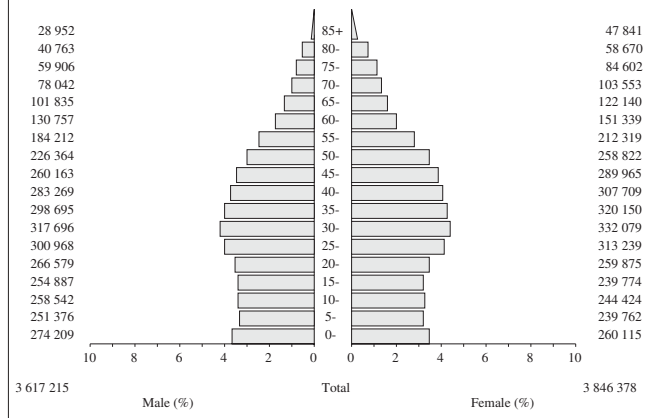
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.2 | Breast                     | 91.8  |
| Trachea, bronchus and lung | 44.8  | Trachea, bronchus and lung | 34.6  |
| Bladder                    | 23.0  | Corpus uteri               | 18.7  |
| Colon                      | 21.9  | Colon                      | 17.7  |
| Melanoma of skin           | 20.9  | Melanoma of skin           | 16.5  |
| Non-Hodgkin lymphoma       | 17.0  | Thyroid                    | 14.2  |
| Kidney                     | 12.4  | Non-Hodgkin lymphoma       | 12.0  |
| Rectum                     | 10.9  | Ovary                      | 9.7   |
| Pancreas                   | 8.3   | Kidney                     | 6.7   |
| Lymphoid leukaemia         | 7.1   | Rectum                     | 6.6   |
| All sites                  | 366.2 | All sites                  | 297.2 |



**USA, SEER (18 REGISTRIES)**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 106.8 | Breast                     | 86.6  |
| Trachea, bronchus and lung | 48.3  | Trachea, bronchus and lung | 33.8  |
| Colon                      | 23.0  | Colon                      | 18.2  |
| Bladder                    | 20.8  | Corpus uteri               | 16.7  |
| Melanoma of skin           | 16.8  | Thyroid                    | 12.3  |
| Non-Hodgkin lymphoma       | 15.5  | Melanoma of skin           | 12.0  |
| Kidney                     | 12.4  | Non-Hodgkin lymphoma       | 10.8  |
| Rectum                     | 11.3  | Ovary                      | 9.2   |
| Pancreas                   | 8.2   | Rectum                     | 7.0   |
| Liver                      | 7.6   | Kidney                     | 6.5   |
| All sites                  | 359.4 | All sites                  | 282.6 |

**USA, SEER (18 registries): Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group

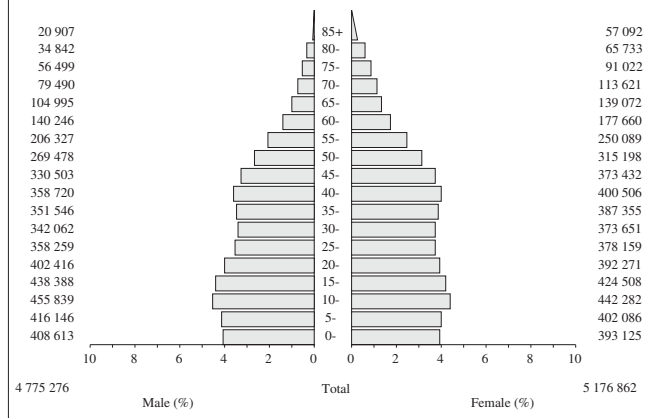


NOTES ON THE DATA: \*No official mortality data.

**USA, SEER (18 REGISTRIES): ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 57.6  | Breast                     | 66.7  |
| Trachea, bronchus and lung | 31.6  | Trachea, bronchus and lung | 17.5  |
| Colon                      | 17.3  | Colon                      | 14.7  |
| Liver                      | 15.5  | Corpus uteri               | 13.2  |
| Rectum                     | 11.5  | Thyroid                    | 12.5  |
| Non-Hodgkin lymphoma       | 10.3  | Ovary                      | 7.3   |
| Stomach                    | 10.2  | Non-Hodgkin lymphoma       | 7.3   |
| Bladder                    | 8.8   | Rectum                     | 6.7   |
| Kidney                     | 6.5   | Stomach                    | 6.1   |
| Pancreas                   | 6.0   | Cervix uteri               | 5.7   |
| All sites                  | 226.6 | All sites                  | 204.7 |

**USA, SEER (18 registries): Black (2003-2007)**  
Average annual person-years by sex and age group

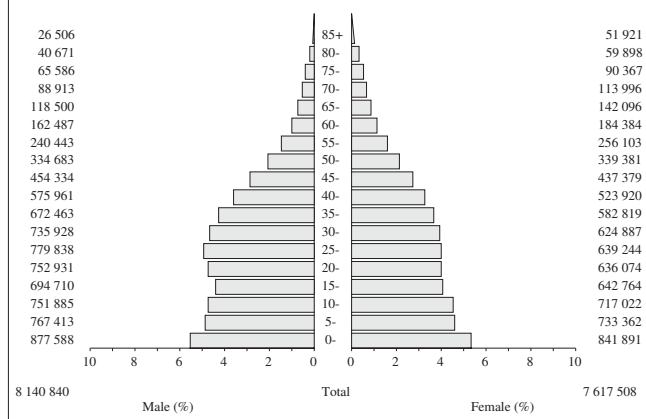


NOTES ON THE DATA: \*No official mortality data.

**USA, SEER (18 REGISTRIES): BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 168.3 | Breast                     | 83.9  |
| Trachea, bronchus and lung | 66.8  | Trachea, bronchus and lung | 35.5  |
| Colon                      | 31.9  | Colon                      | 25.3  |
| Kidney                     | 14.8  | Corpus uteri               | 14.2  |
| Non-Hodgkin lymphoma       | 12.9  | Pancreas                   | 8.6   |
| Bladder                    | 12.1  | Non-Hodgkin lymphoma       | 8.6   |
| Rectum                     | 11.7  | Rectum                     | 8.0   |
| Pancreas                   | 10.9  | Cervix uteri               | 7.9   |
| Stomach                    | 10.4  | Kidney                     | 7.2   |
| Liver                      | 10.1  | Thyroid                    | 7.1   |
| All sites                  | 435.0 | All sites                  | 275.8 |

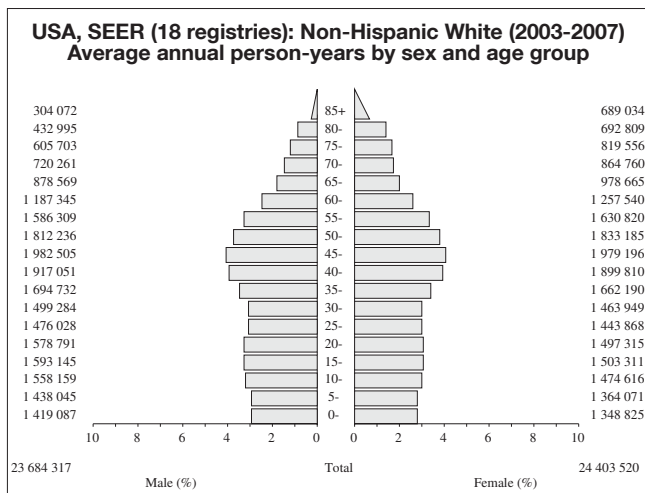
**USA, SEER (18 registries): Hispanic White (2003-2007)**  
Average annual person-years by sex and age group



NOTES ON THE DATA: \*No official mortality data.

**USA, SEER (18 REGISTRIES): HISPANIC WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

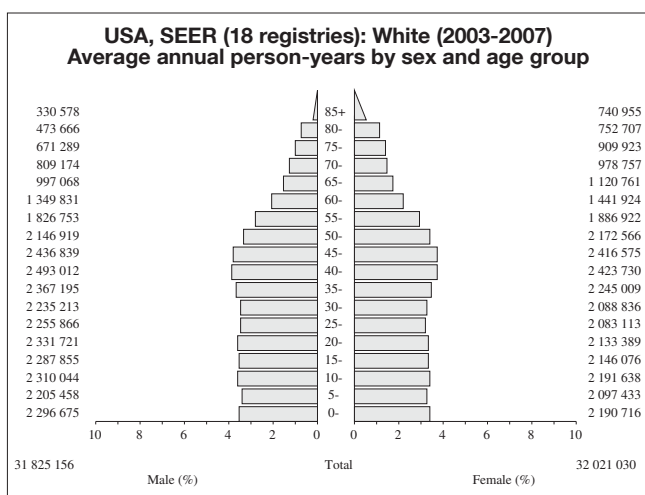
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 85.7  | Breast                     | 66.8  |
| Trachea, bronchus and lung | 25.0  | Trachea, bronchus and lung | 16.5  |
| Colon                      | 18.9  | Colon                      | 14.7  |
| Non-Hodgkin lymphoma       | 13.2  | Corpus uteri               | 13.9  |
| Kidney                     | 12.2  | Thyroid                    | 11.7  |
| Liver                      | 11.8  | Non-Hodgkin lymphoma       | 10.2  |
| Bladder                    | 11.3  | Cervix uteri               | 10.0  |
| Rectum                     | 10.4  | Ovary                      | 8.5   |
| Stomach                    | 9.4   | Kidney                     | 7.1   |
| Pancreas                   | 7.1   | Pancreas                   | 6.1   |
| All sites                  | 272.7 | All sites                  | 229.6 |



NOTES ON THE DATA: \*No official mortality data.

**USA, SEER (18 REGISTRIES): NON-HISPANIC WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 104.3 | Breast                     | 92.5  |
| Trachea, bronchus and lung | 51.2  | Trachea, bronchus and lung | 38.1  |
| Bladder                    | 24.1  | Colon                      | 17.9  |
| Colon                      | 23.1  | Corpus uteri               | 17.8  |
| Melanoma of skin           | 22.7  | Melanoma of skin           | 17.0  |
| Non-Hodgkin lymphoma       | 16.6  | Thyroid                    | 13.6  |
| Kidney                     | 12.8  | Non-Hodgkin lymphoma       | 11.5  |
| Rectum                     | 11.3  | Ovary                      | 9.9   |
| Pancreas                   | 8.3   | Rectum                     | 7.0   |
| Brain, nervous system      | 7.2   | Kidney                     | 6.7   |
| All sites                  | 373.7 | All sites                  | 301.0 |



NOTES ON THE DATA: \*No official mortality data.

**USA, SEER (18 REGISTRIES): WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 101.9 | Breast                     | 88.8  |
| Trachea, bronchus and lung | 48.0  | Trachea, bronchus and lung | 35.3  |
| Colon                      | 22.6  | Colon                      | 17.6  |
| Bladder                    | 22.6  | Corpus uteri               | 17.4  |
| Melanoma of skin           | 19.6  | Melanoma of skin           | 14.4  |
| Non-Hodgkin lymphoma       | 16.1  | Thyroid                    | 13.1  |
| Kidney                     | 12.7  | Non-Hodgkin lymphoma       | 11.3  |
| Rectum                     | 11.1  | Ovary                      | 9.7   |
| Pancreas                   | 8.1   | Rectum                     | 6.8   |
| Brain, nervous system      | 6.7   | Kidney                     | 6.7   |
| All sites                  | 359.5 | All sites                  | 290.2 |

## USA, SEER (9 registries) (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 781        | 0.2       | 1.1                      | <b>0.8</b>   | 0.03                     | 0.09       | 231       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 2904       | 0.9       | 4.2                      | <b>3.3</b>   | 0.24                     | 0.40       | 1292      | 0.4                      | 1.8       | <b>1.2</b>               | 0.08   | 0.14  | C01-02          |
| Mouth                        | 1702       | 0.5       | 2.5                      | <b>1.9</b>   | 0.12                     | 0.23       | 1279      | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 1000       | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.11       | 766       | 0.2                      | 1.1       | <b>0.7</b>               | 0.05   | 0.08  | C07-08          |
| Tonsil                       | 1770       | 0.5       | 2.6                      | <b>2.0</b>   | 0.17                     | 0.24       | 436       | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 362        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.05       | 108       | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 670        | 0.2       | 1.0                      | <b>0.8</b>   | 0.06                     | 0.09       | 298       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 740        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.11       | 197       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 180        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 97        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 4990       | 1.5       | 7.2                      | <b>5.3</b>   | 0.28                     | 0.66       | 1567      | 0.5                      | 2.2       | <b>1.2</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 6366       | 1.9       | 9.2                      | <b>6.5</b>   | 0.30                     | 0.75       | 3978      | 1.3                      | 5.6       | <b>3.1</b>               | 0.15   | 0.34  | C16             |
| Small intestine              | 1519       | 0.4       | 2.2                      | <b>1.6</b>   | 0.09                     | 0.20       | 1291      | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.13  | C17             |
| Colon                        | 22086      | 6.5       | 32.0                     | <b>22.3</b>  | 1.04                     | 2.61       | 24013     | 7.6                      | 34.0      | <b>18.3</b>              | 0.84   | 2.09  | C18             |
| Rectum                       | 10465      | 3.1       | 15.2                     | <b>11.2</b>  | 0.65                     | 1.34       | 7887      | 2.5                      | 11.2      | <b>6.8</b>               | 0.41   | 0.78  | C19-20          |
| Anus                         | 911        | 0.3       | 1.3                      | <b>1.0</b>   | 0.07                     | 0.11       | 1304      | 0.4                      | 1.8       | <b>1.2</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 6803       | 2.0       | 9.9                      | <b>7.4</b>   | 0.50                     | 0.88       | 2770      | 0.9                      | 3.9       | <b>2.4</b>               | 0.12   | 0.28  | C22             |
| Gallbladder etc.             | 1699       | 0.5       | 2.5                      | <b>1.7</b>   | 0.07                     | 0.19       | 2187      | 0.7                      | 3.1       | <b>1.6</b>               | 0.07   | 0.19  | C23-24          |
| Pancreas                     | 8204       | 2.4       | 11.9                     | <b>8.4</b>   | 0.41                     | 1.01       | 8316      | 2.6                      | 11.8      | <b>6.3</b>               | 0.28   | 0.73  | C25             |
| Nose, sinuses etc.           | 508        | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06       | 417       | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 3713       | 1.1       | 5.4                      | <b>4.1</b>   | 0.24                     | 0.52       | 954       | 0.3                      | 1.3       | <b>0.9</b>               | 0.06   | 0.12  | C32             |
| Trachea, bronchus and lung   | 44421      | 13.2      | 64.4                     | <b>45.8</b>  | 1.98                     | 5.71       | 39681     | 12.6                     | 56.1      | <b>33.4</b>              | 1.57   | 4.28  | C33-34          |
| Other thoracic organs        | 457        | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06       | 297       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 735        | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.08       | 682       | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 15956      | 4.7       | 23.1                     | <b>17.3</b>  | 1.08                     | 1.95       | 12650     | 4.0                      | 17.9      | <b>13.2</b>              | 0.95   | 1.33  | C43             |
| Other skin                   | 1222       | 0.4       | 1.8                      | <b>1.3</b>   | 0.06                     | 0.13       | 1111      | 0.4                      | 1.6       | <b>1.0</b>               | 0.06   | 0.10  | C44             |
| Mesothelioma                 | 1032       | 0.3       | 1.5                      | <b>1.0</b>   | 0.03                     | 0.12       | 327       | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 855        | 0.3       | 1.2                      | <b>1.0</b>   | 0.08                     | 0.09       | 66        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 2618       | 0.8       | 3.8                      | <b>3.0</b>   | 0.17                     | 0.28       | 2035      | 0.6                      | 2.9       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 725        | 0.2       | 1.1                      | <b>0.8</b>   | 0.04                     | 0.09       | 92751     | 29.5                     | 131.2     | <b>89.2</b>              | 6.32   | 10.32 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 1757      | 0.6                      | 2.5       | <b>1.5</b>               | 0.09   | 0.16  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 536       | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 5009      | 1.6                      | 7.1       | <b>5.5</b>               | 0.43   | 0.54  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 18411     | 5.9                      | 26.0      | <b>18.0</b>              | 1.29   | 2.22  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 422       | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 9946      | 3.2                      | 14.1      | <b>9.3</b>               | 0.63   | 1.06  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 511       | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 67        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 417        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 101855     | 30.2      | 147.7                    | <b>112.7</b> | 5.86                     | 15.28      |           |                          |           |                          |        |       | C61             |
| Testis                       | 4000       | 1.2       | 5.8                      | <b>5.3</b>   | 0.39                     | 0.40       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 169        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 11162      | 3.3       | 16.2                     | <b>12.3</b>  | 0.77                     | 1.48       | 6992      | 2.2                      | 9.9       | <b>6.6</b>               | 0.41   | 0.76  | C64             |
| Renal pelvis                 | 605        | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.07       | 451       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 421        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.05       | 295       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 21259      | 6.3       | 30.8                     | <b>21.0</b>  | 0.83                     | 2.43       | 7063      | 2.2                      | 10.0      | <b>5.4</b>               | 0.24   | 0.64  | C67             |
| Other urinary organs         | 260        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.03       | 129       | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 627        | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.08       | 526       | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 5009       | 1.5       | 7.3                      | <b>6.2</b>   | 0.39                     | 0.61       | 4096      | 1.3                      | 5.8       | <b>4.6</b>               | 0.28   | 0.44  | C70-72          |
| Thyroid                      | 3662       | 1.1       | 5.3                      | <b>4.2</b>   | 0.31                     | 0.46       | 11534     | 3.7                      | 16.3      | <b>13.2</b>              | 1.03   | 1.27  | C73             |
| Adrenal gland                | 204        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02       | 194       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 107        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 56        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C75             |
| Hodgkin lymphoma             | 2222       | 0.7       | 3.2                      | <b>2.9</b>   | 0.20                     | 0.24       | 1882      | 0.6                      | 2.7       | <b>2.4</b>               | 0.16   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 15285      | 4.5       | 22.2                     | <b>16.3</b>  | 0.91                     | 1.80       | 13050     | 4.2                      | 18.5      | <b>11.4</b>              | 0.65   | 1.29  | C82-85,C96      |
| Immunoproliferative diseases | 342        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 234       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 4386       | 1.3       | 6.4                      | <b>4.5</b>   | 0.22                     | 0.54       | 3597      | 1.1                      | 5.1       | <b>3.0</b>               | 0.15   | 0.36  | C90             |
| Lymphoid leukaemia           | 5580       | 1.7       | 8.1                      | <b>6.6</b>   | 0.32                     | 0.66       | 3791      | 1.2                      | 5.4       | <b>3.8</b>               | 0.19   | 0.36  | C91             |
| Myeloid leukaemia            | 4213       | 1.2       | 6.1                      | <b>4.5</b>   | 0.22                     | 0.46       | 3479      | 1.1                      | 4.9       | <b>3.2</b>               | 0.18   | 0.32  | C92-94          |
| Leukaemia unspecified        | 320        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 339       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 1990       | 0.6       | 2.9                      | <b>2.1</b>   | 0.11                     | 0.24       | 1966      | 0.6                      | 2.8       | <b>1.6</b>               | 0.09   | 0.18  | MPD             |
| Myelodysplastic syndromes    | 3507       | 1.0       | 5.1                      | <b>3.2</b>   | 0.09                     | 0.31       | 2760      | 0.9                      | 3.9       | <b>1.9</b>               | 0.06   | 0.19  | MDS             |
| Other and unspecified        | 5882       | 1.7       | 8.5                      | <b>5.9</b>   | 0.28                     | 0.66       | 7228      | 2.3                      | 10.2      | <b>5.4</b>               | 0.25   | 0.59  | O&U             |
| All sites                    | 338878     |           | 491.4                    | <b>364.2</b> | 19.07                    | 44.13      | 315309    |                          | 446.1     | <b>288.2</b>             | 17.87  | 32.80 | C00-96          |
| All sites except C44         | 337656     | 100.0     | 489.6                    | <b>363.0</b> | 19.00                    | 44.00      | 314198    | 100.0                    | 444.5     | <b>287.2</b>             | 17.81  | 32.70 | C00-96 exc. C44 |

§Includes 15 cases of unknown age

§Includes 3 cases of unknown age

**\*USA, SEER (9 registries): Black (2003-2007)**

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 8         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.02                | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C00                 |
| Tongue                       | 227       | 0.7       | 2.7                      | <b>3.0</b>   | 0.20                | 0.41                | 85        | 0.3       | 0.9                      | <b>0.8</b>   | 0.05   | 0.10                | C01-02              |
| Mouth                        | 170       | 0.5       | 2.0                      | <b>2.1</b>   | 0.15                | 0.25                | 129       | 0.4       | 1.4                      | <b>1.2</b>   | 0.08   | 0.13                | C03-06              |
| Salivary glands              | 62        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                | 0.08                | 90        | 0.3       | 1.0                      | <b>0.9</b>   | 0.06   | 0.09                | C07-08              |
| Tonsil                       | 166       | 0.5       | 2.0                      | <b>2.1</b>   | 0.16                | 0.27                | 53        | 0.2       | 0.6                      | <b>0.5</b>   | 0.04   | 0.05                | C09                 |
| Other oropharynx             | 79        | 0.2       | 0.9                      | <b>1.0</b>   | 0.07                | 0.12                | 18        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.01                | C10                 |
| Nasopharynx                  | 72        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                | 0.09                | 22        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.03                | C11                 |
| Hypopharynx                  | 133       | 0.4       | 1.6                      | <b>1.8</b>   | 0.12                | 0.23                | 36        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02   | 0.04                | C12-13              |
| Pharynx unspecified          | 30        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.05                | 18        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C14                 |
| Oesophagus                   | 453       | 1.4       | 5.4                      | <b>6.0</b>   | 0.35                | 0.78                | 230       | 0.8       | 2.5                      | <b>2.2</b>   | 0.13   | 0.26                | C15                 |
| Stomach                      | 801       | 2.4       | 9.6                      | <b>10.4</b>  | 0.49                | 1.15                | 565       | 1.9       | 6.1                      | <b>4.8</b>   | 0.23   | 0.51                | C16                 |
| Small intestine              | 176       | 0.5       | 2.1                      | <b>2.3</b>   | 0.13                | 0.29                | 201       | 0.7       | 2.2                      | <b>1.9</b>   | 0.10   | 0.23                | C17                 |
| Colon                        | 2316      | 6.9       | 27.7                     | <b>30.2</b>  | 1.55                | 3.57                | 2746      | 9.2       | 29.9                     | <b>24.9</b>  | 1.32   | 2.94                | C18                 |
| Rectum                       | 895       | 2.7       | 10.7                     | <b>11.3</b>  | 0.64                | 1.34                | 859       | 2.9       | 9.3                      | <b>8.1</b>   | 0.50   | 0.97                | C19-20              |
| Anus                         | 133       | 0.4       | 1.6                      | <b>1.5</b>   | 0.11                | 0.15                | 131       | 0.4       | 1.4                      | <b>1.2</b>   | 0.08   | 0.14                | C21                 |
| Liver                        | 936       | 2.8       | 11.2                     | <b>11.6</b>  | 0.96                | 1.37                | 336       | 1.1       | 3.7                      | <b>3.1</b>   | 0.20   | 0.37                | C22                 |
| Gallbladder etc.             | 132       | 0.4       | 1.6                      | <b>1.6</b>   | 0.09                | 0.17                | 223       | 0.7       | 2.4                      | <b>2.0</b>   | 0.10   | 0.24                | C23-24              |
| Pancreas                     | 851       | 2.5       | 10.2                     | <b>11.4</b>  | 0.59                | 1.41                | 995       | 3.3       | 10.8                     | <b>9.0</b>   | 0.42   | 1.06                | C25                 |
| Nose, sinuses etc.           | 51        | 0.2       | 0.6                      | <b>0.7</b>   | 0.04                | 0.09                | 43        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03   | 0.04                | C30-31              |
| Larynx                       | 553       | 1.6       | 6.6                      | <b>7.4</b>   | 0.47                | 0.97                | 150       | 0.5       | 1.6                      | <b>1.5</b>   | 0.10   | 0.19                | C32                 |
| Trachea, bronchus and lung   | 4972      | 14.8      | 59.5                     | <b>66.8</b>  | 3.40                | 8.46                | 3919      | 13.1      | 42.6                     | <b>37.4</b>  | 2.01   | 4.70                | C33-34              |
| Other thoracic organs        | 43        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                | 0.05                | 40        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02   | 0.04                | C37-38              |
| Bone                         | 62        | 0.2       | 0.7                      | <b>0.8</b>   | 0.04                | 0.06                | 79        | 0.3       | 0.9                      | <b>0.8</b>   | 0.05   | 0.06                | C40-41              |
| Melanoma of skin             | 50        | 0.1       | 0.6                      | <b>0.7</b>   | 0.03                | 0.08                | 69        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03   | 0.07                | C43                 |
| Other skin                   | 88        | 0.3       | 1.1                      | <b>1.0</b>   | 0.06                | 0.10                | 131       | 0.4       | 1.4                      | <b>1.2</b>   | 0.09   | 0.11                | C44                 |
| Mesothelioma                 | 33        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.06                | 17        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C45                 |
| Kaposi sarcoma               | 260       | 0.8       | 3.1                      | <b>2.7</b>   | 0.21                | 0.22                | 13        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C46                 |
| Connective and soft tissue   | 215       | 0.6       | 2.6                      | <b>2.5</b>   | 0.16                | 0.23                | 241       | 0.8       | 2.6                      | <b>2.4</b>   | 0.16   | 0.23                | C47+C49             |
| Breast                       | 82        | 0.2       | 1.0                      | <b>1.1</b>   | 0.08                | 0.12                | 9075      | 30.4      | 98.7                     | <b>85.7</b>  | 6.13   | 9.83                | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 145       | 0.5       | 1.6                      | <b>1.4</b>   | 0.10   | 0.14                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 85        | 0.3       | 0.9                      | <b>0.8</b>   | 0.04   | 0.10                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 763       | 2.6       | 8.3                      | <b>7.1</b>   | 0.53   | 0.75                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 1430      | 4.8       | 15.5                     | <b>14.5</b>  | 0.94   | 1.88                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 95        | 0.3       | 1.0                      | <b>0.9</b>   | 0.05   | 0.12                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 794       | 2.7       | 8.6                      | <b>7.5</b>   | 0.48   | 0.85                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 43        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03   | 0.05                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 9         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C58                 |
| Penis                        | 41        | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                | 0.05                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 12884     | 38.4      | 154.1                    | <b>178.6</b> | 10.32               | 24.09               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 101       | 0.3       | 1.2                      | <b>1.1</b>   | 0.08                | 0.09                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 15        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 1185      | 3.5       | 14.2                     | <b>15.3</b>  | 0.98                | 1.86                | 767       | 2.6       | 8.3                      | <b>7.3</b>   | 0.43   | 0.86                | C64                 |
| Renal pelvis                 | 34        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                | 0.05                | 14        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00   | 0.01                | C65                 |
| Ureter                       | 9         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.02                | 8         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C66                 |
| Bladder                      | 894       | 2.7       | 10.7                     | <b>11.9</b>  | 0.50                | 1.38                | 485       | 1.6       | 5.3                      | <b>4.2</b>   | 0.14   | 0.48                | C67                 |
| Other urinary organs         | 23        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.04                | 19        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.03                | C68                 |
| Eye                          | 21        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.02                | 23        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C69                 |
| Brain, nervous system        | 302       | 0.9       | 3.6                      | <b>3.8</b>   | 0.23                | 0.37                | 315       | 1.1       | 3.4                      | <b>3.2</b>   | 0.18   | 0.30                | C70-72              |
| Thyroid                      | 187       | 0.6       | 2.2                      | <b>2.3</b>   | 0.17                | 0.26                | 746       | 2.5       | 8.1                      | <b>7.1</b>   | 0.53   | 0.74                | C73                 |
| Adrenal gland                | 26        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | 27        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74                 |
| Other endocrine              | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 13        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C75                 |
| Hodgkin lymphoma             | 254       | 0.8       | 3.0                      | <b>2.9</b>   | 0.21                | 0.26                | 239       | 0.8       | 2.6                      | <b>2.4</b>   | 0.16   | 0.20                | C81                 |
| Non-Hodgkin lymphoma         | 1195      | 3.6       | 14.3                     | <b>14.4</b>  | 0.93                | 1.57                | 1009      | 3.4       | 11.0                     | <b>9.6</b>   | 0.63   | 1.05                | C82-85,C96          |
| Immunoproliferative diseases | 16        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 12        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C88                 |
| Multiple myeloma             | 699       | 2.1       | 8.4                      | <b>9.2</b>   | 0.50                | 1.09                | 700       | 2.3       | 7.6                      | <b>6.6</b>   | 0.34   | 0.82                | C90                 |
| Lymphoid leukaemia           | 365       | 1.1       | 4.4                      | <b>4.8</b>   | 0.25                | 0.46                | 254       | 0.9       | 2.8                      | <b>2.5</b>   | 0.12   | 0.26                | C91                 |
| Myeloid leukaemia            | 337       | 1.0       | 4.0                      | <b>4.2</b>   | 0.24                | 0.42                | 329       | 1.1       | 3.6                      | <b>3.1</b>   | 0.18   | 0.32                | C92-94              |
| Leukaemia unspecified        | 31        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                | 0.04                | 22        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.03                | C95                 |
| Myeloproliferative disorders | 152       | 0.5       | 1.8                      | <b>1.9</b>   | 0.11                | 0.22                | 177       | 0.6       | 1.9                      | <b>1.7</b>   | 0.09   | 0.20                | MPD                 |
| Myelodysplastic syndromes    | 209       | 0.6       | 2.5                      | <b>2.6</b>   | 0.10                | 0.25                | 213       | 0.7       | 2.3                      | <b>1.8</b>   | 0.07   | 0.17                | MDS                 |
| Other and unspecified        | 586       | 1.7       | 7.0                      | <b>7.7</b>   | 0.40                | 0.92                | 708       | 2.4       | 7.7                      | <b>6.3</b>   | 0.29   | 0.68                | O&U                 |
| All sites                    | 33625     |           | 402.2                    | <b>446.6</b> | 25.44               | 55.71               | 29964     |           | 325.8                    | <b>282.3</b> | 17.44  | 32.65               | C00-96              |
| All sites except C44         | 33537     | 100.0     | 401.1                    | <b>445.6</b> | 25.37               | 55.60               | 29833     | 100.0     | 324.3                    | <b>281.1</b> | 17.35  | 32.54               | C00-96 exc. C44     |

§Includes 3 cases of unknown age

\*See note following population pyramid



**\*USA, SEER (9 registries): White (2003-2007)**

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 737       | 0.3       | 1.4                      | <b>0.9</b>   | 0.04                | 0.11                | 210       | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 2472      | 0.9       | 4.7                      | <b>3.4</b>   | 0.26                | 0.42                | 1085      | 0.4       | 2.0                      | <b>1.3</b>   | 0.09                | 0.15                | C01-02          |
| Mouth                        | 1410      | 0.5       | 2.7                      | <b>1.9</b>   | 0.12                | 0.23                | 1032      | 0.4       | 1.9                      | <b>1.1</b>   | 0.06                | 0.12                | C03-06          |
| Salivary glands              | 844       | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                | 0.12                | 594       | 0.2       | 1.1                      | <b>0.7</b>   | 0.05                | 0.07                | C07-08          |
| Tonsil                       | 1531      | 0.6       | 2.9                      | <b>2.2</b>   | 0.18                | 0.25                | 360       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | C09             |
| Other oropharynx             | 261       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | 83        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 300       | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | 145       | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 557       | 0.2       | 1.1                      | <b>0.8</b>   | 0.04                | 0.10                | 155       | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 145       | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 74        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 4213      | 1.5       | 8.0                      | <b>5.4</b>   | 0.28                | 0.68                | 1247      | 0.5       | 2.4                      | <b>1.2</b>   | 0.05                | 0.15                | C15             |
| Stomach                      | 4540      | 1.6       | 8.6                      | <b>5.7</b>   | 0.27                | 0.66                | 2669      | 1.0       | 5.0                      | <b>2.5</b>   | 0.12                | 0.28                | C16             |
| Small intestine              | 1238      | 0.4       | 2.4                      | <b>1.6</b>   | 0.09                | 0.19                | 1020      | 0.4       | 1.9                      | <b>1.1</b>   | 0.06                | 0.13                | C17             |
| Colon                        | 17829     | 6.4       | 33.9                     | <b>21.9</b>  | 0.99                | 2.55                | 19173     | 7.5       | 36.2                     | <b>17.7</b>  | 0.78                | 2.01                | C18             |
| Rectum                       | 8321      | 3.0       | 15.8                     | <b>10.9</b>  | 0.63                | 1.30                | 6149      | 2.4       | 11.6                     | <b>6.6</b>   | 0.40                | 0.75                | C19-20          |
| Anus                         | 743       | 0.3       | 1.4                      | <b>1.0</b>   | 0.07                | 0.11                | 1125      | 0.4       | 2.1                      | <b>1.3</b>   | 0.10                | 0.15                | C21             |
| Liver                        | 4443      | 1.6       | 8.4                      | <b>5.9</b>   | 0.39                | 0.69                | 1762      | 0.7       | 3.3                      | <b>1.9</b>   | 0.09                | 0.21                | C22             |
| Gallbladder etc.             | 1319      | 0.5       | 2.5                      | <b>1.6</b>   | 0.06                | 0.18                | 1664      | 0.6       | 3.1                      | <b>1.5</b>   | 0.07                | 0.18                | C23-24          |
| Pancreas                     | 6640      | 2.4       | 12.6                     | <b>8.3</b>   | 0.40                | 1.00                | 6581      | 2.6       | 12.4                     | <b>6.1</b>   | 0.27                | 0.71                | C25             |
| Nose, sinuses etc.           | 386       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | 332       | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 2965      | 1.1       | 5.6                      | <b>4.0</b>   | 0.22                | 0.51                | 779       | 0.3       | 1.5                      | <b>0.9</b>   | 0.06                | 0.12                | C32             |
| Trachea, bronchus and lung   | 35816     | 12.9      | 68.1                     | <b>44.8</b>  | 1.87                | 5.58                | 33168     | 12.9      | 62.6                     | <b>34.6</b>  | 1.60                | 4.47                | C33-34          |
| Other thoracic organs        | 336       | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 212       | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 607       | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                | 0.09                | 547       | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                | 0.08                | C40-41          |
| Melanoma of skin             | 15461     | 5.6       | 29.4                     | <b>20.9</b>  | 1.31                | 2.34                | 12124     | 4.7       | 22.9                     | <b>16.5</b>  | 1.20                | 1.66                | C43             |
| Other skin                   | 1040      | 0.4       | 2.0                      | <b>1.3</b>   | 0.06                | 0.13                | 884       | 0.3       | 1.7                      | <b>1.0</b>   | 0.06                | 0.10                | C44             |
| Mesothelioma                 | 944       | 0.3       | 1.8                      | <b>1.1</b>   | 0.04                | 0.13                | 290       | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 546       | 0.2       | 1.0                      | <b>0.8</b>   | 0.06                | 0.07                | 49        | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 2205      | 0.8       | 4.2                      | <b>3.1</b>   | 0.17                | 0.30                | 1580      | 0.6       | 3.0                      | <b>2.1</b>   | 0.13                | 0.20                | C47+C49         |
| Breast                       | 612       | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                | 0.09                | 75483     | 29.3      | 142.4                    | <b>91.8</b>  | 6.46                | 10.65               | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 1499      | 0.6       | 2.8                      | <b>1.5</b>   | 0.09                | 0.17                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 410       | 0.2       | 0.8                      | <b>0.4</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 3640      | 1.4       | 6.9                      | <b>5.3</b>   | 0.41                | 0.52                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 15222     | 5.9       | 28.7                     | <b>18.7</b>  | 1.34                | 2.31                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 303       | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 8233      | 3.2       | 15.5                     | <b>9.7</b>   | 0.65                | 1.11                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 423       | 0.2       | 0.8                      | <b>0.5</b>   | 0.04                | 0.06                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 43        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 344       | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 80703     | 29.2      | 153.4                    | <b>109.2</b> | 5.62                | 14.87               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 3635      | 1.3       | 6.9                      | <b>6.4</b>   | 0.47                | 0.49                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 128       | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 9123      | 3.3       | 17.3                     | <b>12.4</b>  | 0.76                | 1.49                | 5672      | 2.2       | 10.7                     | <b>6.7</b>   | 0.42                | 0.78                | C64             |
| Renal pelvis                 | 522       | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                | 0.07                | 396       | 0.2       | 0.7                      | <b>0.3</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 373       | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                | 0.05                | 251       | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 19188     | 6.9       | 36.5                     | <b>23.0</b>  | 0.91                | 2.68                | 6168      | 2.4       | 11.6                     | <b>5.9</b>   | 0.26                | 0.71                | C67             |
| Other urinary organs         | 218       | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | 101       | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C68             |
| Eye                          | 576       | 0.2       | 1.1                      | <b>0.9</b>   | 0.05                | 0.09                | 469       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.07                | C69             |
| Brain, nervous system        | 4408      | 1.6       | 8.4                      | <b>6.9</b>   | 0.44                | 0.68                | 3479      | 1.4       | 6.6                      | <b>5.0</b>   | 0.31                | 0.48                | C70-72          |
| Thyroid                      | 3128      | 1.1       | 5.9                      | <b>4.6</b>   | 0.34                | 0.50                | 9410      | 3.7       | 17.7                     | <b>14.2</b>  | 1.12                | 1.36                | C73             |
| Adrenal gland                | 154       | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | 152       | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 81        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 40        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 1826      | 0.7       | 3.5                      | <b>3.1</b>   | 0.21                | 0.26                | 1527      | 0.6       | 2.9                      | <b>2.6</b>   | 0.17                | 0.21                | C81             |
| Non-Hodgkin lymphoma         | 12907     | 4.7       | 24.5                     | <b>17.0</b>  | 0.94                | 1.88                | 11033     | 4.3       | 20.8                     | <b>12.0</b>  | 0.67                | 1.36                | C82-85,C96      |
| Immunoproliferative diseases | 304       | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.04                | 208       | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 3421      | 1.2       | 6.5                      | <b>4.3</b>   | 0.20                | 0.51                | 2623      | 1.0       | 4.9                      | <b>2.6</b>   | 0.13                | 0.32                | C90             |
| Lymphoid leukaemia           | 4843      | 1.8       | 9.2                      | <b>7.1</b>   | 0.34                | 0.72                | 3259      | 1.3       | 6.1                      | <b>4.2</b>   | 0.21                | 0.39                | C91             |
| Myeloid leukaemia            | 3516      | 1.3       | 6.7                      | <b>4.6</b>   | 0.22                | 0.47                | 2840      | 1.1       | 5.4                      | <b>3.3</b>   | 0.18                | 0.33                | C92-94          |
| Leukaemia unspecified        | 270       | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 296       | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 1643      | 0.6       | 3.1                      | <b>2.1</b>   | 0.11                | 0.24                | 1585      | 0.6       | 3.0                      | <b>1.6</b>   | 0.08                | 0.17                | MPD             |
| Myelodysplastic syndromes    | 3034      | 1.1       | 5.8                      | <b>3.3</b>   | 0.09                | 0.32                | 2315      | 0.9       | 4.4                      | <b>1.9</b>   | 0.06                | 0.20                | MDS             |
| Other and unspecified        | 4821      | 1.7       | 9.2                      | <b>5.9</b>   | 0.27                | 0.65                | 5949      | 2.3       | 11.2                     | <b>5.4</b>   | 0.24                | 0.60                | O&U             |
| All sites                    | 277627    |           | 527.9                    | <b>366.2</b> | 18.97               | 44.21               | 258122    |           | 486.9                    | <b>297.2</b> | 18.37               | 33.82               | C00-96          |
| All sites except C44         | 276587    | 100.0     | 525.9                    | <b>364.9</b> | 18.91               | 44.08               | 257238    | 100.0     | 485.2                    | <b>296.2</b> | 18.32               | 33.72               | C00-96 exc. C44 |

§Includes 5 cases of unknown age

\*See note following population pyramid

## USA, SEER (18 registries) (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2088       | 0.2       | 1.0                      | <b>0.8</b>   | 0.04                     | 0.09       | 702       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 8135       | 0.9       | 4.0                      | <b>3.2</b>   | 0.23                     | 0.39       | 3627      | 0.4                      | 1.7       | <b>1.2</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 4875       | 0.5       | 2.4                      | <b>1.9</b>   | 0.12                     | 0.23       | 3465      | 0.4                      | 1.7       | <b>1.0</b>               | 0.05   | 0.12  | C03-06          |
| Salivary glands              | 2886       | 0.3       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.11       | 2099      | 0.2                      | 1.0       | <b>0.7</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 5303       | 0.6       | 2.6                      | <b>2.1</b>   | 0.17                     | 0.25       | 1301      | 0.1                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 1142       | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.06       | 365       | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 1857       | 0.2       | 0.9                      | <b>0.7</b>   | 0.06                     | 0.08       | 843       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 2190       | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.11       | 561       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 602        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.03       | 258       | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 13750      | 1.4       | 6.7                      | <b>5.1</b>   | 0.27                     | 0.63       | 4272      | 0.5                      | 2.1       | <b>1.2</b>               | 0.06   | 0.14  | C15             |
| Stomach                      | 18428      | 1.9       | 9.0                      | <b>6.6</b>   | 0.32                     | 0.77       | 12076     | 1.4                      | 5.8       | <b>3.3</b>               | 0.17   | 0.37  | C16             |
| Small intestine              | 4059       | 0.4       | 2.0                      | <b>1.5</b>   | 0.08                     | 0.18       | 3543      | 0.4                      | 1.7       | <b>1.1</b>               | 0.06   | 0.13  | C17             |
| Colon                        | 64753      | 6.8       | 31.8                     | <b>23.0</b>  | 1.08                     | 2.70       | 68045     | 7.7                      | 32.7      | <b>18.2</b>              | 0.86   | 2.07  | C18             |
| Rectum                       | 30296      | 3.2       | 14.9                     | <b>11.3</b>  | 0.66                     | 1.37       | 23242     | 2.6                      | 11.2      | <b>7.0</b>               | 0.42   | 0.81  | C19-20          |
| Anus                         | 2535       | 0.3       | 1.2                      | <b>1.0</b>   | 0.07                     | 0.11       | 3912      | 0.4                      | 1.9       | <b>1.3</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 19854      | 2.1       | 9.7                      | <b>7.6</b>   | 0.51                     | 0.90       | 8191      | 0.9                      | 3.9       | <b>2.4</b>               | 0.13   | 0.29  | C22             |
| Gallbladder etc.             | 4827       | 0.5       | 2.4                      | <b>1.7</b>   | 0.07                     | 0.19       | 6462      | 0.7                      | 3.1       | <b>1.7</b>               | 0.08   | 0.20  | C23-24          |
| Pancreas                     | 22814      | 2.4       | 11.2                     | <b>8.2</b>   | 0.39                     | 0.98       | 23485     | 2.6                      | 11.3      | <b>6.2</b>               | 0.28   | 0.72  | C25             |
| Nose, sinuses etc.           | 1603       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07       | 1125      | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 11362      | 1.2       | 5.6                      | <b>4.3</b>   | 0.26                     | 0.56       | 2829      | 0.3                      | 1.4       | <b>0.9</b>               | 0.06   | 0.12  | C32             |
| Trachea, bronchus and lung   | 133251     | 13.9      | 65.4                     | <b>48.3</b>  | 2.10                     | 6.07       | 115007    | 12.9                     | 55.3      | <b>33.8</b>              | 1.60   | 4.34  | C33-34          |
| Other thoracic organs        | 1195       | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05       | 765       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 2252       | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.08       | 1884      | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 44851      | 4.7       | 22.0                     | <b>16.8</b>  | 1.02                     | 1.88       | 33983     | 3.8                      | 16.3      | <b>12.0</b>              | 0.86   | 1.23  | C43             |
| Other skin                   | 3688       | 0.4       | 1.8                      | <b>1.3</b>   | 0.07                     | 0.13       | 3061      | 0.3                      | 1.5       | <b>1.0</b>               | 0.06   | 0.09  | C44             |
| Mesothelioma                 | 3090       | 0.3       | 1.5                      | <b>1.0</b>   | 0.04                     | 0.12       | 937       | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 2176       | 0.2       | 1.1                      | <b>0.8</b>   | 0.06                     | 0.07       | 224       | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 7528       | 0.8       | 3.7                      | <b>3.0</b>   | 0.17                     | 0.29       | 5790      | 0.7                      | 2.8       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 2023       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.09       | 259743    | 29.2                     | 124.9     | <b>86.6</b>              | 6.13   | 10.02 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 4909      | 0.6                      | 2.4       | <b>1.4</b>               | 0.09   | 0.15  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 1578      | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 17130     | 1.9                      | 8.2       | <b>6.4</b>               | 0.51   | 0.64  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 49378     | 5.6                      | 23.8      | <b>16.7</b>              | 1.21   | 2.05  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 1268      | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 28321     | 3.2                      | 13.6      | <b>9.2</b>               | 0.62   | 1.05  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 1371      | 0.2                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 208       | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 1377       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 277465     | 29.0      | 136.2                    | <b>106.8</b> | 5.44                     | 14.46      |           |                          |           |                          |        |       | C61             |
| Testis                       | 11038      | 1.2       | 5.4                      | <b>4.9</b>   | 0.37                     | 0.38       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 420        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 32358      | 3.4       | 15.9                     | <b>12.4</b>  | 0.76                     | 1.49       | 19897     | 2.2                      | 9.6       | <b>6.5</b>               | 0.40   | 0.76  | C64             |
| Renal pelvis                 | 1885       | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.07       | 1356      | 0.2                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 1193       | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.05       | 821       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 60100      | 6.3       | 29.5                     | <b>20.8</b>  | 0.82                     | 2.41       | 19834     | 2.2                      | 9.5       | <b>5.3</b>               | 0.23   | 0.62  | C67             |
| Other urinary organs         | 654        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 346       | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 1774       | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.07       | 1473      | 0.2                      | 0.7       | <b>0.6</b>               | 0.03   | 0.06  | C69             |
| Brain, nervous system        | 14448      | 1.5       | 7.1                      | <b>6.1</b>   | 0.38                     | 0.60       | 11783     | 1.3                      | 5.7       | <b>4.6</b>               | 0.28   | 0.43  | C70-72          |
| Thyroid                      | 9865       | 1.0       | 4.8                      | <b>3.9</b>   | 0.29                     | 0.43       | 31428     | 3.5                      | 15.1      | <b>12.3</b>              | 0.96   | 1.20  | C73             |
| Adrenal gland                | 577        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 595       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 349        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 229       | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 6225       | 0.7       | 3.1                      | <b>2.7</b>   | 0.19                     | 0.24       | 5126      | 0.6                      | 2.5       | <b>2.2</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 41583      | 4.4       | 20.4                     | <b>15.5</b>  | 0.87                     | 1.71       | 35781     | 4.0                      | 17.2      | <b>10.8</b>              | 0.60   | 1.23  | C82-85,C96      |
| Immunoproliferative diseases | 808        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03       | 540       | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 12400      | 1.3       | 6.1                      | <b>4.5</b>   | 0.22                     | 0.54       | 10182     | 1.1                      | 4.9       | <b>2.9</b>               | 0.15   | 0.35  | C90             |
| Lymphoid leukaemia           | 14980      | 1.6       | 7.4                      | <b>6.2</b>   | 0.31                     | 0.60       | 10256     | 1.2                      | 4.9       | <b>3.7</b>               | 0.18   | 0.34  | C91             |
| Myeloid leukaemia            | 12042      | 1.3       | 5.9                      | <b>4.5</b>   | 0.23                     | 0.46       | 9900      | 1.1                      | 4.8       | <b>3.2</b>               | 0.18   | 0.32  | C92-94          |
| Leukaemia unspecified        | 984        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 987       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 5155       | 0.5       | 2.5                      | <b>1.9</b>   | 0.10                     | 0.21       | 4817      | 0.5                      | 2.3       | <b>1.4</b>               | 0.08   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 9278       | 1.0       | 4.6                      | <b>3.0</b>   | 0.08                     | 0.29       | 7537      | 0.8                      | 3.6       | <b>1.8</b>               | 0.06   | 0.19  | MDS             |
| Other and unspecified        | 19119      | 2.0       | 9.4                      | <b>6.7</b>   | 0.32                     | 0.75       | 22573     | 2.5                      | 10.9      | <b>5.9</b>               | 0.27   | 0.65  | O&U             |
| All sites                    | 959490     |           | 470.9                    | <b>359.4</b> | 18.65                    | 43.54      | 891421    |                          | 428.8     | <b>282.6</b>             | 17.50  | 32.18 | C00-96          |
| All sites except C44         | 955802     | 100.0     | 469.0                    | <b>358.1</b> | 18.59                    | 43.40      | 888360    | 100.0                    | 427.3     | <b>281.7</b>             | 17.44  | 32.09 | C00-96 exc. C44 |

§Includes 169 cases of unknown age

§Includes 91 cases of unknown age

**\*USA, SEER (18 registries): Asian and Pacific Islander (2003-2007)**

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 19         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       | 16        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 331        | 0.7       | 1.8                      | <b>1.5</b>   | 0.10                     | 0.18       | 239       | 0.4                      | 1.2       | <b>0.9</b>               | 0.06   | 0.10  | C01-02          |
| Mouth                        | 229        | 0.5       | 1.3                      | <b>1.1</b>   | 0.07                     | 0.13       | 192       | 0.4                      | 1.0       | <b>0.7</b>               | 0.03   | 0.07  | C03-06          |
| Salivary glands              | 169        | 0.3       | 0.9                      | <b>0.8</b>   | 0.05                     | 0.08       | 172       | 0.3                      | 0.9       | <b>0.7</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 133        | 0.3       | 0.7                      | <b>0.6</b>   | 0.05                     | 0.07       | 42        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C09             |
| Other oropharynx             | 32         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       | 11        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 648        | 1.3       | 3.6                      | <b>3.0</b>   | 0.23                     | 0.33       | 292       | 0.5                      | 1.5       | <b>1.2</b>               | 0.09   | 0.12  | C11             |
| Hypopharynx                  | 86         | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04       | 16        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 16         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01       | 5         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 555        | 1.1       | 3.1                      | <b>2.5</b>   | 0.12                     | 0.29       | 185       | 0.3                      | 1.0       | <b>0.6</b>               | 0.02   | 0.07  | C15             |
| Stomach                      | 2356       | 4.8       | 13.0                     | <b>10.2</b>  | 0.43                     | 1.16       | 1787      | 3.3                      | 9.3       | <b>6.1</b>               | 0.30   | 0.67  | C16             |
| Small intestine              | 200        | 0.4       | 1.1                      | <b>0.9</b>   | 0.05                     | 0.11       | 131       | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C17             |
| Colon                        | 3898       | 7.9       | 21.6                     | <b>17.3</b>  | 0.81                     | 2.02       | 4250      | 7.9                      | 22.1      | <b>14.7</b>              | 0.73   | 1.69  | C18             |
| Rectum                       | 2482       | 5.0       | 13.7                     | <b>11.5</b>  | 0.69                     | 1.41       | 1823      | 3.4                      | 9.5       | <b>6.7</b>               | 0.40   | 0.76  | C19-20          |
| Anus                         | 72         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 95        | 0.2                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C21             |
| Liver                        | 3319       | 6.7       | 18.4                     | <b>15.5</b>  | 0.95                     | 1.92       | 1497      | 2.8                      | 7.8       | <b>5.3</b>               | 0.22   | 0.67  | C22             |
| Gallbladder etc.             | 513        | 1.0       | 2.8                      | <b>2.3</b>   | 0.10                     | 0.28       | 624       | 1.2                      | 3.2       | <b>2.1</b>               | 0.09   | 0.24  | C23-24          |
| Pancreas                     | 1382       | 2.8       | 7.6                      | <b>6.0</b>   | 0.28                     | 0.69       | 1457      | 2.7                      | 7.6       | <b>4.8</b>               | 0.20   | 0.57  | C25             |
| Nose, sinuses etc.           | 134        | 0.3       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.07       | 72        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 348        | 0.7       | 1.9                      | <b>1.6</b>   | 0.08                     | 0.19       | 50        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C32             |
| Trachea, bronchus and lung   | 7147       | 14.5      | 39.5                     | <b>31.6</b>  | 1.30                     | 3.84       | 5005      | 9.3                      | 26.0      | <b>17.5</b>              | 0.80   | 2.14  | C33-34          |
| Other thoracic organs        | 146        | 0.3       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.07       | 94        | 0.2                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C37-38          |
| Bone                         | 120        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.05       | 116       | 0.2                      | 0.6       | <b>0.6</b>               | 0.03   | 0.04  | C40-41          |
| Melanoma of skin             | 230        | 0.5       | 1.3                      | <b>1.1</b>   | 0.06                     | 0.11       | 247       | 0.5                      | 1.3       | <b>0.9</b>               | 0.06   | 0.09  | C43             |
| Other skin                   | 147        | 0.3       | 0.8                      | <b>0.7</b>   | 0.04                     | 0.07       | 159       | 0.3                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 87         | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05       | 31        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 57         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02       | 5         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 385        | 0.8       | 2.1                      | <b>1.8</b>   | 0.10                     | 0.17       | 381       | 0.7                      | 2.0       | <b>1.6</b>               | 0.10   | 0.15  | C47+C49         |
| Breast                       | 77         | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 16989     | 31.5                     | 88.3      | <b>66.7</b>              | 5.04   | 7.58  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 155       | 0.3                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 87        | 0.2                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 1464      | 2.7                      | 7.6       | <b>5.7</b>               | 0.45   | 0.60  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 3302      | 6.1                      | 17.2      | <b>13.2</b>              | 1.05   | 1.53  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 61        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 1877      | 3.5                      | 9.8       | <b>7.3</b>               | 0.53   | 0.79  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 86        | 0.2                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 29        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 58         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 12326      | 25.0      | 68.2                     | <b>57.6</b>  | 2.27                     | 7.78       |           |                          |           |                          |        |       | C61             |
| Testis                       | 349        | 0.7       | 1.9                      | <b>1.7</b>   | 0.12                     | 0.13       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 46         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1392       | 2.8       | 7.7                      | <b>6.5</b>   | 0.39                     | 0.77       | 827       | 1.5                      | 4.3       | <b>3.2</b>               | 0.18   | 0.37  | C64             |
| Renal pelvis                 | 110        | 0.2       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.06       | 92        | 0.2                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 83         | 0.2       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.05       | 67        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 2045       | 4.1       | 11.3                     | <b>8.8</b>   | 0.33                     | 1.01       | 662       | 1.2                      | 3.4       | <b>2.1</b>               | 0.08   | 0.23  | C67             |
| Other urinary organs         | 33         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       | 22        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 45         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.02       | 49        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 653        | 1.3       | 3.6                      | <b>3.4</b>   | 0.21                     | 0.31       | 594       | 1.1                      | 3.1       | <b>2.8</b>               | 0.17   | 0.25  | C70-72          |
| Thyroid                      | 739        | 1.5       | 4.1                      | <b>3.4</b>   | 0.24                     | 0.37       | 3024      | 5.6                      | 15.7      | <b>12.5</b>              | 0.96   | 1.22  | C73             |
| Adrenal gland                | 43         | 0.1       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.02       | 39        | 0.1                      | 0.2       | <b>0.3</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 32         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 18        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 269        | 0.5       | 1.5                      | <b>1.4</b>   | 0.09                     | 0.11       | 217       | 0.4                      | 1.1       | <b>1.1</b>               | 0.07   | 0.08  | C81             |
| Non-Hodgkin lymphoma         | 2271       | 4.6       | 12.6                     | <b>10.3</b>  | 0.54                     | 1.12       | 1974      | 3.7                      | 10.3      | <b>7.3</b>               | 0.41   | 0.81  | C82-85,C96      |
| Immunoproliferative diseases | 29         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02       | 20        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 551        | 1.1       | 3.0                      | <b>2.5</b>   | 0.12                     | 0.29       | 502       | 0.9                      | 2.6       | <b>1.8</b>               | 0.09   | 0.22  | C90             |
| Lymphoid leukaemia           | 508        | 1.0       | 2.8                      | <b>2.9</b>   | 0.15                     | 0.23       | 379       | 0.7                      | 2.0       | <b>2.1</b>               | 0.10   | 0.15  | C91             |
| Myeloid leukaemia            | 784        | 1.6       | 4.3                      | <b>3.6</b>   | 0.19                     | 0.35       | 660       | 1.2                      | 3.4       | <b>2.6</b>               | 0.15   | 0.26  | C92-94          |
| Leukaemia unspecified        | 35         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 42        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 304        | 0.6       | 1.7                      | <b>1.4</b>   | 0.09                     | 0.15       | 327       | 0.6                      | 1.7       | <b>1.2</b>               | 0.07   | 0.14  | MPD             |
| Myelodysplastic syndromes    | 520        | 1.1       | 2.9                      | <b>2.1</b>   | 0.06                     | 0.20       | 434       | 0.8                      | 2.3       | <b>1.3</b>               | 0.05   | 0.13  | MDS             |
| Other and unspecified        | 994        | 2.0       | 5.5                      | <b>4.3</b>   | 0.19                     | 0.49       | 1178      | 2.2                      | 6.1       | <b>4.0</b>               | 0.19   | 0.43  | O&U             |
| All sites                    | 49537      |           | 273.9                    | <b>226.6</b> | 10.85                    | 27.06      | 54171     |                          | 281.7     | <b>204.7</b>             | 13.09  | 22.84 | C00-96          |
| All sites except C44         | 49390      | 100.0     | 273.1                    | <b>225.9</b> | 10.81                    | 26.99      | 54012     | 100.0                    | 280.8     | <b>204.1</b>             | 13.06  | 22.78 | C00-96 exc. C44 |

§Includes 5 cases of unknown age

§Includes 2 cases of unknown age

\*See note following population pyramid

**\*USA, SEER (18 registries): Black (2003-2007)**

| SITE                         | Male       |           |                          |              |                     | Female   |            |           |                          |              | ICD-10 |                     |                 |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|------------|-----------|--------------------------|--------------|--------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | 0-74 (%)        |
| Lip                          | 23         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     | 12         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C00             |
| Tongue                       | 610        | 0.6       | 2.6                      | <b>2.7</b>   | 0.19                | 0.36     | 273        | 0.3       | 1.1                      | <b>0.9</b>   | 0.06   | 0.10                | C01-02          |
| Mouth                        | 523        | 0.5       | 2.2                      | <b>2.2</b>   | 0.16                | 0.27     | 346        | 0.4       | 1.3                      | <b>1.1</b>   | 0.07   | 0.12                | C03-06          |
| Salivary glands              | 191        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                | 0.09     | 230        | 0.3       | 0.9                      | <b>0.8</b>   | 0.05   | 0.08                | C07-08          |
| Tonsil                       | 541        | 0.6       | 2.3                      | <b>2.3</b>   | 0.18                | 0.30     | 148        | 0.2       | 0.6                      | <b>0.5</b>   | 0.04   | 0.05                | C09             |
| Other oropharynx             | 198        | 0.2       | 0.8                      | <b>0.9</b>   | 0.07                | 0.11     | 62         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C10             |
| Nasopharynx                  | 236        | 0.2       | 1.0                      | <b>1.0</b>   | 0.07                | 0.10     | 95         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.03                | C11             |
| Hypopharynx                  | 389        | 0.4       | 1.6                      | <b>1.8</b>   | 0.12                | 0.23     | 81         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C12-13          |
| Pharynx unspecified          | 86         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                | 0.05     | 42         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C14             |
| Oesophagus                   | 1500       | 1.5       | 6.3                      | <b>6.7</b>   | 0.41                | 0.85     | 643        | 0.8       | 2.5                      | <b>2.1</b>   | 0.12   | 0.25                | C15             |
| Stomach                      | 2376       | 2.5       | 10.0                     | <b>10.4</b>  | 0.49                | 1.20     | 1746       | 2.0       | 6.7                      | <b>5.1</b>   | 0.25   | 0.56                | C16             |
| Small intestine              | 532        | 0.5       | 2.2                      | <b>2.4</b>   | 0.14                | 0.31     | 574        | 0.7       | 2.2                      | <b>1.8</b>   | 0.11   | 0.22                | C17             |
| Colon                        | 7214       | 7.5       | 30.2                     | <b>31.9</b>  | 1.65                | 3.83     | 8222       | 9.6       | 31.8                     | <b>25.3</b>  | 1.37   | 2.98                | C18             |
| Rectum                       | 2701       | 2.8       | 11.3                     | <b>11.7</b>  | 0.71                | 1.41     | 2519       | 2.9       | 9.7                      | <b>8.0</b>   | 0.49   | 0.94                | C19-20          |
| Anus                         | 308        | 0.3       | 1.3                      | <b>1.2</b>   | 0.09                | 0.13     | 358        | 0.4       | 1.4                      | <b>1.2</b>   | 0.08   | 0.14                | C21             |
| Liver                        | 2361       | 2.4       | 9.9                      | <b>10.1</b>  | 0.79                | 1.22     | 893        | 1.0       | 3.4                      | <b>2.9</b>   | 0.19   | 0.35                | C22             |
| Gallbladder etc.             | 395        | 0.4       | 1.7                      | <b>1.7</b>   | 0.08                | 0.21     | 636        | 0.7       | 2.5                      | <b>2.0</b>   | 0.10   | 0.23                | C23-24          |
| Pancreas                     | 2460       | 2.5       | 10.3                     | <b>10.9</b>  | 0.58                | 1.33     | 2911       | 3.4       | 11.2                     | <b>8.6</b>   | 0.41   | 1.00                | C25             |
| Nose, sinuses etc.           | 161        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                | 0.07     | 90         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C30-31          |
| Larynx                       | 1696       | 1.8       | 7.1                      | <b>7.6</b>   | 0.49                | 1.00     | 399        | 0.5       | 1.5                      | <b>1.4</b>   | 0.09   | 0.17                | C32             |
| Trachea, bronchus and lung   | 14854      | 15.3      | 62.2                     | <b>66.8</b>  | 3.45                | 8.44     | 11033      | 12.9      | 42.6                     | <b>35.5</b>  | 1.94   | 4.47                | C33-34          |
| Other thoracic organs        | 104        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                | 0.04     | 116        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03   | 0.04                | C37-38          |
| Bone                         | 204        | 0.2       | 0.9                      | <b>0.8</b>   | 0.05                | 0.07     | 199        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05   | 0.06                | C40-41          |
| Melanoma of skin             | 164        | 0.2       | 0.7                      | <b>0.7</b>   | 0.03                | 0.09     | 214        | 0.3       | 0.8                      | <b>0.7</b>   | 0.03   | 0.07                | C43             |
| Other skin                   | 235        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                | 0.09     | 320        | 0.3       | 1.2                      | <b>1.1</b>   | 0.08   | 0.10                | C44             |
| Mesothelioma                 | 147        | 0.2       | 0.6                      | <b>0.6</b>   | 0.03                | 0.07     | 53         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C45             |
| Kaposi sarcoma               | 485        | 0.5       | 2.0                      | <b>1.8</b>   | 0.14                | 0.15     | 43         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C46             |
| Connective and soft tissue   | 632        | 0.7       | 2.6                      | <b>2.6</b>   | 0.16                | 0.24     | 699        | 0.8       | 2.7                      | <b>2.4</b>   | 0.16   | 0.23                | C47+C49         |
| Breast                       | 246        | 0.3       | 1.0                      | <b>1.1</b>   | 0.07                | 0.14     | 25784      | 30.2      | 99.6                     | <b>83.9</b>  | 6.04   | 9.58                | C50             |
| Vulva                        |            |           |                          |              |                     |          | 394        | 0.5       | 1.5                      | <b>1.3</b>   | 0.09   | 0.13                | C51             |
| Vagina                       |            |           |                          |              |                     |          | 227        | 0.3       | 0.9                      | <b>0.8</b>   | 0.04   | 0.09                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 2409       | 2.8       | 9.3                      | <b>7.9</b>   | 0.60   | 0.81                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 4156       | 4.9       | 16.1                     | <b>14.2</b>  | 0.92   | 1.83                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 230        | 0.3       | 0.9                      | <b>0.8</b>   | 0.04   | 0.09                | C55             |
| Ovary                        |            |           |                          |              |                     |          | 2207       | 2.6       | 8.5                      | <b>7.1</b>   | 0.45   | 0.81                | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 110        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02   | 0.04                | C57             |
| Placenta                     |            |           |                          |              |                     |          | 37         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C58             |
| Penis                        | 124        | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                | 0.06     |            |           |                          |              |        |                     | C60             |
| Prostate                     | 36233      | 37.4      | 151.8                    | <b>168.3</b> | 9.57                | 22.60    |            |           |                          |              |        |                     | C61             |
| Testis                       | 279        | 0.3       | 1.2                      | <b>1.1</b>   | 0.08                | 0.08     |            |           |                          |              |        |                     | C62             |
| Other male genital organs    | 37         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     |            |           |                          |              |        |                     | C63             |
| Kidney                       | 3372       | 3.5       | 14.1                     | <b>14.8</b>  | 0.93                | 1.81     | 2176       | 2.5       | 8.4                      | <b>7.2</b>   | 0.43   | 0.85                | C64             |
| Renal pelvis                 | 86         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.04     | 50         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C65             |
| Ureter                       | 43         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | 45         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C66             |
| Bladder                      | 2728       | 2.8       | 11.4                     | <b>12.1</b>  | 0.50                | 1.41     | 1409       | 1.6       | 5.4                      | <b>4.1</b>   | 0.15   | 0.47                | C67             |
| Other urinary organs         | 61         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.03     | 70         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.03                | C68             |
| Eye                          | 53         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.02     | 50         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C69             |
| Brain, nervous system        | 874        | 0.9       | 3.7                      | <b>3.8</b>   | 0.23                | 0.37     | 855        | 1.0       | 3.3                      | <b>3.1</b>   | 0.19   | 0.28                | C70-72          |
| Thyroid                      | 523        | 0.5       | 2.2                      | <b>2.2</b>   | 0.16                | 0.24     | 2125       | 2.5       | 8.2                      | <b>7.1</b>   | 0.55   | 0.74                | C73             |
| Adrenal gland                | 74         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02     | 71         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74             |
| Other endocrine              | 37         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01     | 49         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C75             |
| Hodgkin lymphoma             | 665        | 0.7       | 2.8                      | <b>2.6</b>   | 0.19                | 0.23     | 578        | 0.7       | 2.2                      | <b>2.1</b>   | 0.14   | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 3110       | 3.2       | 13.0                     | <b>12.9</b>  | 0.87                | 1.41     | 2638       | 3.1       | 10.2                     | <b>8.6</b>   | 0.56   | 0.95                | C82-85,C96      |
| Immunoproliferative diseases | 39         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01     | 25         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C88             |
| Multiple myeloma             | 2102       | 2.2       | 8.8                      | <b>9.3</b>   | 0.49                | 1.14     | 2050       | 2.4       | 7.9                      | <b>6.4</b>   | 0.34   | 0.79                | C90             |
| Lymphoid leukaemia           | 999        | 1.0       | 4.2                      | <b>4.5</b>   | 0.24                | 0.45     | 674        | 0.8       | 2.6                      | <b>2.3</b>   | 0.12   | 0.23                | C91             |
| Myeloid leukaemia            | 962        | 1.0       | 4.0                      | <b>4.1</b>   | 0.22                | 0.44     | 962        | 1.1       | 3.7                      | <b>3.1</b>   | 0.19   | 0.31                | C92-94          |
| Leukaemia unspecified        | 103        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                | 0.04     | 86         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C95             |
| Myeloproliferative disorders | 423        | 0.4       | 1.8                      | <b>1.8</b>   | 0.11                | 0.20     | 448        | 0.5       | 1.7                      | <b>1.4</b>   | 0.08   | 0.16                | MPD             |
| Myelodysplastic syndromes    | 596        | 0.6       | 2.5                      | <b>2.6</b>   | 0.09                | 0.27     | 670        | 0.8       | 2.6                      | <b>1.9</b>   | 0.08   | 0.21                | MDS             |
| Other and unspecified        | 1968       | 2.0       | 8.2                      | <b>8.6</b>   | 0.47                | 1.02     | 2222       | 2.6       | 8.6                      | <b>6.6</b>   | 0.34   | 0.72                | O&U             |
| All sites                    | 97063      |           | 406.5                    | <b>435.0</b> | 24.65               | 54.33    | 85764      |           | 331.3                    | <b>275.8</b> | 17.30  | 31.76               | C00-96          |
| All sites except C44         | 96828      | 100.0     | 405.5                    | <b>434.1</b> | 24.59               | 54.23    | 85444      | 100.0     | 330.1                    | <b>274.7</b> | 17.22  | 31.66               | C00-96 exc. C44 |

§Includes 5 cases of unknown age

§Includes 1 case of unknown age

\*See note following population pyramid

**\*USA, SEER (18 registries): Hispanic White (2003-2007)**

| SITE                         | Male       |           |                          |              |                     |          | Female     |           |                          |              |                     |          | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|------------|-----------|--------------------------|--------------|---------------------|----------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) |                 |
| Lip                          | 110        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.04     | 36         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     | C00             |
| Tongue                       | 467        | 0.6       | 1.1                      | <b>1.7</b>   | 0.11                | 0.20     | 248        | 0.3       | 0.7                      | <b>0.7</b>   | 0.05                | 0.08     | C01-02          |
| Mouth                        | 339        | 0.4       | 0.8                      | <b>1.2</b>   | 0.07                | 0.13     | 205        | 0.3       | 0.5                      | <b>0.6</b>   | 0.03                | 0.06     | C03-06          |
| Salivary glands              | 214        | 0.3       | 0.5                      | <b>0.7</b>   | 0.04                | 0.07     | 216        | 0.3       | 0.6                      | <b>0.6</b>   | 0.04                | 0.06     | C07-08          |
| Tonsil                       | 310        | 0.4       | 0.8                      | <b>1.1</b>   | 0.09                | 0.13     | 82         | 0.1       | 0.2                      | <b>0.3</b>   | 0.02                | 0.03     | C09             |
| Other oropharynx             | 61         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                | 0.03     | 15         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.01     | C10             |
| Nasopharynx                  | 133        | 0.2       | 0.3                      | <b>0.4</b>   | 0.03                | 0.05     | 62         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | C11             |
| Hypopharynx                  | 153        | 0.2       | 0.4                      | <b>0.6</b>   | 0.03                | 0.08     | 21         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01     | C12-13          |
| Pharynx unspecified          | 38         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.02     | 13         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00     | C14             |
| Oesophagus                   | 886        | 1.2       | 2.2                      | <b>3.3</b>   | 0.16                | 0.41     | 234        | 0.3       | 0.6                      | <b>0.7</b>   | 0.02                | 0.08     | C15             |
| Stomach                      | 2664       | 3.5       | 6.5                      | <b>9.4</b>   | 0.45                | 1.11     | 2070       | 2.6       | 5.4                      | <b>5.9</b>   | 0.31                | 0.66     | C16             |
| Small intestine              | 313        | 0.4       | 0.8                      | <b>1.1</b>   | 0.06                | 0.13     | 263        | 0.3       | 0.7                      | <b>0.8</b>   | 0.04                | 0.09     | C17             |
| Colon                        | 5233       | 6.9       | 12.9                     | <b>18.9</b>  | 0.88                | 2.29     | 5070       | 6.4       | 13.3                     | <b>14.7</b>  | 0.76                | 1.67     | C18             |
| Rectum                       | 2913       | 3.8       | 7.2                      | <b>10.4</b>  | 0.57                | 1.29     | 2007       | 2.5       | 5.3                      | <b>6.0</b>   | 0.37                | 0.69     | C19-20          |
| Anus                         | 182        | 0.2       | 0.4                      | <b>0.6</b>   | 0.04                | 0.06     | 310        | 0.4       | 0.8                      | <b>0.9</b>   | 0.07                | 0.11     | C21             |
| Liver                        | 3324       | 4.4       | 8.2                      | <b>11.8</b>  | 0.77                | 1.45     | 1322       | 1.7       | 3.5                      | <b>4.0</b>   | 0.19                | 0.49     | C22             |
| Gallbladder etc.             | 652        | 0.9       | 1.6                      | <b>2.4</b>   | 0.09                | 0.28     | 1098       | 1.4       | 2.9                      | <b>3.2</b>   | 0.16                | 0.37     | C23-24          |
| Pancreas                     | 1901       | 2.5       | 4.7                      | <b>7.1</b>   | 0.32                | 0.85     | 2102       | 2.7       | 5.5                      | <b>6.1</b>   | 0.27                | 0.71     | C25             |
| Nose, sinuses etc.           | 167        | 0.2       | 0.4                      | <b>0.6</b>   | 0.03                | 0.07     | 125        | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.04     | C30-31          |
| Larynx                       | 840        | 1.1       | 2.1                      | <b>3.2</b>   | 0.17                | 0.41     | 141        | 0.2       | 0.4                      | <b>0.4</b>   | 0.03                | 0.06     | C32             |
| Trachea, bronchus and lung   | 6638       | 8.7       | 16.3                     | <b>25.0</b>  | 0.90                | 3.07     | 5471       | 6.9       | 14.4                     | <b>16.5</b>  | 0.72                | 2.04     | C33-34          |
| Other thoracic organs        | 174        | 0.2       | 0.4                      | <b>0.5</b>   | 0.03                | 0.04     | 82         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | C37-38          |
| Bone                         | 369        | 0.5       | 0.9                      | <b>1.0</b>   | 0.06                | 0.07     | 327        | 0.4       | 0.9                      | <b>0.9</b>   | 0.06                | 0.07     | C40-41          |
| Melanoma of skin             | 892        | 1.2       | 2.2                      | <b>2.8</b>   | 0.16                | 0.30     | 1320       | 1.7       | 3.5                      | <b>3.6</b>   | 0.25                | 0.38     | C43             |
| Other skin                   | 254        | 0.3       | 0.6                      | <b>0.8</b>   | 0.05                | 0.08     | 304        | 0.4       | 0.8                      | <b>0.8</b>   | 0.05                | 0.09     | C44             |
| Mesothelioma                 | 251        | 0.3       | 0.6                      | <b>0.9</b>   | 0.04                | 0.10     | 117        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.04     | C45             |
| Kaposi sarcoma               | 498        | 0.7       | 1.2                      | <b>1.2</b>   | 0.09                | 0.11     | 36         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01     | C46             |
| Connective and soft tissue   | 843        | 1.1       | 2.1                      | <b>2.4</b>   | 0.15                | 0.24     | 763        | 1.0       | 2.0                      | <b>2.1</b>   | 0.14                | 0.20     | C47+C49         |
| Breast                       | 118        | 0.2       | 0.3                      | <b>0.4</b>   | 0.02                | 0.05     | 22584      | 28.7      | 59.3                     | <b>66.8</b>  | 4.82                | 7.69     | C50             |
| Vulva                        |            |           |                          |              |                     |          | 370        | 0.5       | 1.0                      | <b>1.0</b>   | 0.05                | 0.11     | C51             |
| Vagina                       |            |           |                          |              |                     |          | 175        | 0.2       | 0.5                      | <b>0.5</b>   | 0.03                | 0.06     | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 3734       | 4.7       | 9.8                      | <b>10.0</b>  | 0.78                | 1.04     | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 4524       | 5.7       | 11.9                     | <b>13.9</b>  | 1.04                | 1.66     | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 125        | 0.2       | 0.3                      | <b>0.4</b>   | 0.02                | 0.04     | C55             |
| Ovary                        |            |           |                          |              |                     |          | 2892       | 3.7       | 7.6                      | <b>8.5</b>   | 0.56                | 0.96     | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 122        | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.04     | C57             |
| Placenta                     |            |           |                          |              |                     |          | 64         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01     | C58             |
| Penis                        | 264        | 0.3       | 0.6                      | <b>0.9</b>   | 0.05                | 0.09     |            |           |                          |              |                     |          | C60             |
| Prostate                     | 21346      | 28.0      | 52.4                     | <b>85.7</b>  | 3.79                | 11.70    |            |           |                          |              |                     |          | C61             |
| Testis                       | 2066       | 2.7       | 5.1                      | <b>4.3</b>   | 0.31                | 0.32     |            |           |                          |              |                     |          | C62             |
| Other male genital organs    | 32         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     |            |           |                          |              |                     |          | C63             |
| Kidney                       | 3478       | 4.6       | 8.5                      | <b>12.2</b>  | 0.72                | 1.49     | 2371       | 3.0       | 6.2                      | <b>7.1</b>   | 0.43                | 0.83     | C64             |
| Renal pelvis                 | 138        | 0.2       | 0.3                      | <b>0.5</b>   | 0.02                | 0.06     | 92         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.03     | C65             |
| Ureter                       | 58         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                | 0.03     | 50         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01     | C66             |
| Bladder                      | 3059       | 4.0       | 7.5                      | <b>11.3</b>  | 0.41                | 1.29     | 1073       | 1.4       | 2.8                      | <b>3.1</b>   | 0.13                | 0.36     | C67             |
| Other urinary organs         | 54         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                | 0.02     | 27         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01     | C68             |
| Eye                          | 176        | 0.2       | 0.4                      | <b>0.5</b>   | 0.03                | 0.04     | 128        | 0.2       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03     | C69             |
| Brain, nervous system        | 1720       | 2.3       | 4.2                      | <b>5.0</b>   | 0.30                | 0.48     | 1440       | 1.8       | 3.8                      | <b>4.0</b>   | 0.25                | 0.37     | C70-72          |
| Thyroid                      | 992        | 1.3       | 2.4                      | <b>2.9</b>   | 0.20                | 0.32     | 4391       | 5.6       | 11.5                     | <b>11.7</b>  | 0.90                | 1.15     | C73             |
| Adrenal gland                | 78         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | 92         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.02     | C74             |
| Other endocrine              | 76         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | 33         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     | C75             |
| Hodgkin lymphoma             | 917        | 1.2       | 2.3                      | <b>2.4</b>   | 0.15                | 0.23     | 708        | 0.9       | 1.9                      | <b>1.8</b>   | 0.12                | 0.16     | C81             |
| Non-Hodgkin lymphoma         | 4120       | 5.4       | 10.1                     | <b>13.2</b>  | 0.74                | 1.46     | 3508       | 4.5       | 9.2                      | <b>10.2</b>  | 0.54                | 1.16     | C82-85,C96      |
| Immunoproliferative diseases | 33         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01     | 29         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01     | C88             |
| Multiple myeloma             | 1184       | 1.6       | 2.9                      | <b>4.3</b>   | 0.22                | 0.52     | 1017       | 1.3       | 2.7                      | <b>3.1</b>   | 0.16                | 0.38     | C90             |
| Lymphoid leukaemia           | 1700       | 2.2       | 4.2                      | <b>4.9</b>   | 0.25                | 0.41     | 1278       | 1.6       | 3.4                      | <b>3.6</b>   | 0.19                | 0.30     | C91             |
| Myeloid leukaemia            | 1342       | 1.8       | 3.3                      | <b>3.9</b>   | 0.22                | 0.38     | 1067       | 1.4       | 2.8                      | <b>2.9</b>   | 0.17                | 0.29     | C92-94          |
| Leukaemia unspecified        | 100        | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.03     | 95         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | C95             |
| Myeloproliferative disorders | 372        | 0.5       | 0.9                      | <b>1.2</b>   | 0.06                | 0.13     | 370        | 0.5       | 1.0                      | <b>1.1</b>   | 0.06                | 0.12     | MPD             |
| Myelodysplastic syndromes    | 603        | 0.8       | 1.5                      | <b>2.1</b>   | 0.07                | 0.21     | 548        | 0.7       | 1.4                      | <b>1.5</b>   | 0.05                | 0.17     | MDS             |
| Other and unspecified        | 1676       | 2.2       | 4.1                      | <b>5.9</b>   | 0.26                | 0.66     | 2160       | 2.7       | 5.7                      | <b>6.1</b>   | 0.29                | 0.66     | O&U             |
| All sites                    | 76521      |           | 188.0                    | <b>272.7</b> | 13.32               | 33.08    | 79127      |           | 207.8                    | <b>229.6</b> | 14.32               | 25.79    | C00-96          |
| All sites except C44         | 76267      | 100.0     | 187.4                    | <b>271.9</b> | 13.27               | 33.00    | 78823      | 100.0     | 207.0                    | <b>228.8</b> | 14.27               | 25.70    | C00-96 exc. C44 |

§Includes 9 cases of unknown age

§Includes 6 cases of unknown age

\*See note following population pyramid

**\*USA, SEER (18 registries): Non-Hispanic White (2003-2007)**

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 1865       | 0.3       | 1.6                      | <b>0.9</b>   | 0.05                | 0.11                | 611        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 6609       | 0.9       | 5.6                      | <b>3.7</b>   | 0.27                | 0.45                | 2805       | 0.4       | 2.3                      | <b>1.3</b>   | 0.09                | 0.15                | C01-02          |
| Mouth                        | 3706       | 0.5       | 3.1                      | <b>2.0</b>   | 0.13                | 0.24                | 2638       | 0.4       | 2.2                      | <b>1.1</b>   | 0.06                | 0.13                | C03-06          |
| Salivary glands              | 2264       | 0.3       | 1.9                      | <b>1.1</b>   | 0.06                | 0.12                | 1452       | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 4249       | 0.6       | 3.6                      | <b>2.4</b>   | 0.20                | 0.28                | 1010       | 0.2       | 0.8                      | <b>0.5</b>   | 0.04                | 0.06                | C09             |
| Other oropharynx             | 842        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | 271        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 807        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | 368        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 1547       | 0.2       | 1.3                      | <b>0.8</b>   | 0.05                | 0.11                | 437        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C12-13          |
| Pharynx unspecified          | 455        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                | 0.03                | 194        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 10691      | 1.5       | 9.0                      | <b>5.5</b>   | 0.29                | 0.68                | 3159       | 0.5       | 2.6                      | <b>1.2</b>   | 0.05                | 0.14                | C15             |
| Stomach                      | 10781      | 1.5       | 9.1                      | <b>5.3</b>   | 0.25                | 0.61                | 6325       | 1.0       | 5.2                      | <b>2.3</b>   | 0.11                | 0.25                | C16             |
| Small intestine              | 2954       | 0.4       | 2.5                      | <b>1.5</b>   | 0.09                | 0.18                | 2540       | 0.4       | 2.1                      | <b>1.1</b>   | 0.06                | 0.13                | C17             |
| Colon                        | 47673      | 6.7       | 40.3                     | <b>23.1</b>  | 1.06                | 2.69                | 49759      | 7.6       | 40.8                     | <b>17.9</b>  | 0.82                | 2.03                | C18             |
| Rectum                       | 21720      | 3.0       | 18.3                     | <b>11.3</b>  | 0.65                | 1.36                | 16513      | 2.5       | 13.5                     | <b>7.0</b>   | 0.42                | 0.80                | C19-20          |
| Anus                         | 1941       | 0.3       | 1.6                      | <b>1.1</b>   | 0.07                | 0.12                | 3109       | 0.5       | 2.5                      | <b>1.5</b>   | 0.10                | 0.17                | C21             |
| Liver                        | 10562      | 1.5       | 8.9                      | <b>5.6</b>   | 0.36                | 0.65                | 4355       | 0.7       | 3.6                      | <b>1.8</b>   | 0.09                | 0.20                | C22             |
| Gallbladder etc.             | 3215       | 0.5       | 2.7                      | <b>1.5</b>   | 0.06                | 0.16                | 4011       | 0.6       | 3.3                      | <b>1.4</b>   | 0.06                | 0.16                | C23-24          |
| Pancreas                     | 16887      | 2.4       | 14.3                     | <b>8.3</b>   | 0.40                | 0.99                | 16810      | 2.6       | 13.8                     | <b>6.0</b>   | 0.27                | 0.70                | C25             |
| Nose, sinuses etc.           | 1116       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.07                | 822        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 8370       | 1.2       | 7.1                      | <b>4.4</b>   | 0.26                | 0.56                | 2216       | 0.3       | 1.8                      | <b>1.1</b>   | 0.07                | 0.14                | C32             |
| Trachea, bronchus and lung   | 103744     | 14.5      | 87.6                     | <b>51.2</b>  | 2.22                | 6.47                | 92714      | 14.1      | 76.0                     | <b>38.1</b>  | 1.80                | 4.94                | C33-34          |
| Other thoracic organs        | 753        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 465        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 1512       | 0.2       | 1.3                      | <b>1.1</b>   | 0.07                | 0.09                | 1210       | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                | 0.07                | C40-41          |
| Melanoma of skin             | 41803      | 5.9       | 35.3                     | <b>22.7</b>  | 1.42                | 2.53                | 30513      | 4.6       | 25.0                     | <b>17.0</b>  | 1.23                | 1.71                | C43             |
| Other skin                   | 2884       | 0.4       | 2.4                      | <b>1.4</b>   | 0.07                | 0.14                | 2116       | 0.3       | 1.7                      | <b>0.9</b>   | 0.05                | 0.09                | C44             |
| Mesothelioma                 | 2585       | 0.4       | 2.2                      | <b>1.2</b>   | 0.04                | 0.13                | 728        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 1034       | 0.1       | 0.9                      | <b>0.6</b>   | 0.05                | 0.06                | 126        | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 5506       | 0.8       | 4.6                      | <b>3.2</b>   | 0.18                | 0.31                | 3840       | 0.6       | 3.1                      | <b>2.1</b>   | 0.13                | 0.20                | C47+C49         |
| Breast                       | 1557       | 0.2       | 1.3                      | <b>0.8</b>   | 0.04                | 0.09                | 191379     | 29.1      | 156.8                    | <b>92.5</b>  | 6.51                | 10.75               | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 3894       | 0.6       | 3.2                      | <b>1.6</b>   | 0.10                | 0.17                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 1068       | 0.2       | 0.9                      | <b>0.4</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 9184       | 1.4       | 7.5                      | <b>5.6</b>   | 0.44                | 0.54                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 36759      | 5.6       | 30.1                     | <b>17.8</b>  | 1.29                | 2.20                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 835        | 0.1       | 0.7                      | <b>0.3</b>   | 0.02                | 0.04                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 21058      | 3.2       | 17.3                     | <b>9.9</b>   | 0.66                | 1.13                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 1038       | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                | 0.06                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 72         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 902        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                | 0.05                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 197676     | 27.7      | 166.9                    | <b>104.3</b> | 5.37                | 14.17               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 8068       | 1.1       | 6.8                      | <b>6.4</b>   | 0.48                | 0.49                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 285        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 23652      | 3.3       | 20.0                     | <b>12.8</b>  | 0.79                | 1.53                | 14220      | 2.2       | 11.7                     | <b>6.7</b>   | 0.42                | 0.79                | C64             |
| Renal pelvis                 | 1541       | 0.2       | 1.3                      | <b>0.7</b>   | 0.03                | 0.08                | 1112       | 0.2       | 0.9                      | <b>0.4</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 1003       | 0.1       | 0.8                      | <b>0.5</b>   | 0.01                | 0.05                | 655        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C66             |
| Bladder                      | 51313      | 7.2       | 43.3                     | <b>24.1</b>  | 0.97                | 2.81                | 16357      | 2.5       | 13.4                     | <b>6.1</b>   | 0.28                | 0.72                | C67             |
| Other urinary organs         | 481        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | 220        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 1441       | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                | 0.09                | 1204       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.07                | C69             |
| Brain, nervous system        | 11047      | 1.5       | 9.3                      | <b>7.2</b>   | 0.46                | 0.70                | 8765       | 1.3       | 7.2                      | <b>5.3</b>   | 0.32                | 0.50                | C70-72          |
| Thyroid                      | 7464       | 1.0       | 6.3                      | <b>4.6</b>   | 0.34                | 0.49                | 21352      | 3.2       | 17.5                     | <b>13.6</b>  | 1.06                | 1.30                | C73             |
| Adrenal gland                | 371        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | 384        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 200        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 127        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 4283       | 0.6       | 3.6                      | <b>3.2</b>   | 0.22                | 0.27                | 3556       | 0.5       | 2.9                      | <b>2.7</b>   | 0.18                | 0.21                | C81             |
| Non-Hodgkin lymphoma         | 31381      | 4.4       | 26.5                     | <b>16.6</b>  | 0.92                | 1.84                | 26960      | 4.1       | 22.1                     | <b>11.5</b>  | 0.64                | 1.31                | C82-85,C96      |
| Immunoproliferative diseases | 686        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | 451        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 8394       | 1.2       | 7.1                      | <b>4.1</b>   | 0.20                | 0.49                | 6441       | 1.0       | 5.3                      | <b>2.5</b>   | 0.12                | 0.29                | C90             |
| Lymphoid leukaemia           | 11307      | 1.6       | 9.5                      | <b>6.7</b>   | 0.33                | 0.67                | 7629       | 1.2       | 6.3                      | <b>3.9</b>   | 0.19                | 0.36                | C91             |
| Myeloid leukaemia            | 8814       | 1.2       | 7.4                      | <b>4.7</b>   | 0.23                | 0.48                | 7069       | 1.1       | 5.8                      | <b>3.2</b>   | 0.18                | 0.33                | C92-94          |
| Leukaemia unspecified        | 737        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | 747        | 0.1       | 0.6                      | <b>0.2</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 3892       | 0.5       | 3.3                      | <b>2.0</b>   | 0.11                | 0.23                | 3515       | 0.5       | 2.9                      | <b>1.5</b>   | 0.08                | 0.16                | MPD             |
| Myelodysplastic syndromes    | 7405       | 1.0       | 6.3                      | <b>3.1</b>   | 0.08                | 0.31                | 5739       | 0.9       | 4.7                      | <b>1.9</b>   | 0.06                | 0.19                | MDS             |
| Other and unspecified        | 14239      | 2.0       | 12.0                     | <b>6.9</b>   | 0.33                | 0.76                | 16757      | 2.5       | 13.7                     | <b>6.0</b>   | 0.27                | 0.66                | O&U             |
| All sites                    | 716214     |           | 604.8                    | <b>373.7</b> | 19.48               | 45.04               | 659664     |           | 540.6                    | <b>301.0</b> | 18.63               | 34.31               | C00-96          |
| All sites except C44         | 713330     | 100.0     | 602.4                    | <b>372.3</b> | 19.41               | 44.90               | 657548     | 100.0     | 538.9                    | <b>300.1</b> | 18.57               | 34.22               | C00-96 exc. C44 |

§Includes 29 cases of unknown age

§Includes 19 cases of unknown age

\*See note following population pyramid

**\*USA, SEER (18 registries): White (2003-2007)**

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 1975       | 0.3       | 1.2                      | <b>0.9</b>   | 0.04                | 0.10                | 647        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 7076       | 0.9       | 4.4                      | <b>3.4</b>   | 0.25                | 0.42                | 3053       | 0.4       | 1.9                      | <b>1.2</b>   | 0.08                | 0.14                | C01-02          |
| Mouth                        | 4045       | 0.5       | 2.5                      | <b>1.9</b>   | 0.12                | 0.23                | 2843       | 0.4       | 1.8                      | <b>1.0</b>   | 0.05                | 0.12                | C03-06          |
| Salivary glands              | 2478       | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                | 0.11                | 1668       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 4559       | 0.6       | 2.9                      | <b>2.2</b>   | 0.19                | 0.26                | 1092       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | C09             |
| Other oropharynx             | 903        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | 286        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 940        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 430        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 1700       | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.10                | 458        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 493        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03                | 207        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 11577      | 1.5       | 7.3                      | <b>5.2</b>   | 0.27                | 0.64                | 3393       | 0.5       | 2.1                      | <b>1.1</b>   | 0.05                | 0.14                | C15             |
| Stomach                      | 13445      | 1.7       | 8.4                      | <b>5.8</b>   | 0.28                | 0.67                | 8395       | 1.1       | 5.2                      | <b>2.8</b>   | 0.14                | 0.31                | C16             |
| Small intestine              | 3267       | 0.4       | 2.1                      | <b>1.5</b>   | 0.08                | 0.18                | 2803       | 0.4       | 1.8                      | <b>1.0</b>   | 0.06                | 0.12                | C17             |
| Colon                        | 52906      | 6.7       | 33.2                     | <b>22.6</b>  | 1.03                | 2.64                | 54829      | 7.4       | 34.2                     | <b>17.6</b>  | 0.81                | 1.98                | C18             |
| Rectum                       | 24633      | 3.1       | 15.5                     | <b>11.1</b>  | 0.64                | 1.35                | 18520      | 2.5       | 11.6                     | <b>6.8</b>   | 0.41                | 0.79                | C19-20          |
| Anus                         | 2123       | 0.3       | 1.3                      | <b>1.0</b>   | 0.07                | 0.11                | 3419       | 0.5       | 2.1                      | <b>1.4</b>   | 0.10                | 0.16                | C21             |
| Liver                        | 13886      | 1.8       | 8.7                      | <b>6.4</b>   | 0.42                | 0.76                | 5677       | 0.8       | 3.5                      | <b>2.0</b>   | 0.11                | 0.24                | C22             |
| Gallbladder etc.             | 3867       | 0.5       | 2.4                      | <b>1.6</b>   | 0.07                | 0.18                | 5109       | 0.7       | 3.2                      | <b>1.6</b>   | 0.08                | 0.19                | C23-24          |
| Pancreas                     | 18788      | 2.4       | 11.8                     | <b>8.1</b>   | 0.38                | 0.97                | 18912      | 2.6       | 11.8                     | <b>6.0</b>   | 0.27                | 0.70                | C25             |
| Nose, sinuses etc.           | 1283       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.07                | 947        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 9210       | 1.2       | 5.8                      | <b>4.3</b>   | 0.25                | 0.54                | 2357       | 0.3       | 1.5                      | <b>1.0</b>   | 0.06                | 0.13                | C32             |
| Trachea, bronchus and lung   | 110382     | 14.0      | 69.4                     | <b>48.0</b>  | 2.04                | 6.05                | 98185      | 13.3      | 61.3                     | <b>35.3</b>  | 1.65                | 4.56                | C33-34          |
| Other thoracic organs        | 927        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 547        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 1881       | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                | 0.09                | 1537       | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                | 0.07                | C40-41          |
| Melanoma of skin             | 42695      | 5.4       | 26.8                     | <b>19.6</b>  | 1.20                | 2.20                | 31833      | 4.3       | 19.9                     | <b>14.4</b>  | 1.03                | 1.47                | C43             |
| Other skin                   | 3138       | 0.4       | 2.0                      | <b>1.3</b>   | 0.06                | 0.13                | 2420       | 0.3       | 1.5                      | <b>0.9</b>   | 0.05                | 0.09                | C44             |
| Mesothelioma                 | 2836       | 0.4       | 1.8                      | <b>1.1</b>   | 0.04                | 0.13                | 845        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 1532       | 0.2       | 1.0                      | <b>0.7</b>   | 0.06                | 0.07                | 162        | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 6349       | 0.8       | 4.0                      | <b>3.1</b>   | 0.17                | 0.30                | 4603       | 0.6       | 2.9                      | <b>2.1</b>   | 0.13                | 0.20                | C47+C49         |
| Breast                       | 1675       | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.09                | 213963     | 29.1      | 133.6                    | <b>88.8</b>  | 6.24                | 10.32               | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 4264       | 0.6       | 2.7                      | <b>1.5</b>   | 0.09                | 0.16                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 1243       | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 12918      | 1.8       | 8.1                      | <b>6.3</b>   | 0.50                | 0.62                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 41283      | 5.6       | 25.8                     | <b>17.4</b>  | 1.26                | 2.13                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 960        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 23950      | 3.3       | 15.0                     | <b>9.7</b>   | 0.65                | 1.10                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 1160       | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 136        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 1166       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 219022     | 27.7      | 137.6                    | <b>101.9</b> | 5.15                | 13.85               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 10134      | 1.3       | 6.4                      | <b>5.9</b>   | 0.43                | 0.45                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 317        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 27130      | 3.4       | 17.0                     | <b>12.7</b>  | 0.78                | 1.52                | 16591      | 2.3       | 10.4                     | <b>6.7</b>   | 0.42                | 0.79                | C64             |
| Renal pelvis                 | 1679       | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                | 0.08                | 1204       | 0.2       | 0.8                      | <b>0.4</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 1061       | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                | 0.05                | 705        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C66             |
| Bladder                      | 54372      | 6.9       | 34.2                     | <b>22.6</b>  | 0.89                | 2.63                | 17430      | 2.4       | 10.9                     | <b>5.7</b>   | 0.26                | 0.67                | C67             |
| Other urinary organs         | 535        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 247        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 1617       | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                | 0.08                | 1332       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.06                | C69             |
| Brain, nervous system        | 12767      | 1.6       | 8.0                      | <b>6.7</b>   | 0.42                | 0.66                | 10205      | 1.4       | 6.4                      | <b>5.0</b>   | 0.31                | 0.47                | C70-72          |
| Thyroid                      | 8456       | 1.1       | 5.3                      | <b>4.2</b>   | 0.31                | 0.46                | 25743      | 3.5       | 16.1                     | <b>13.1</b>  | 1.02                | 1.26                | C73             |
| Adrenal gland                | 449        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 476        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 276        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 160        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 5200       | 0.7       | 3.3                      | <b>2.9</b>   | 0.20                | 0.25                | 4264       | 0.6       | 2.7                      | <b>2.4</b>   | 0.16                | 0.20                | C81             |
| Non-Hodgkin lymphoma         | 35501      | 4.5       | 22.3                     | <b>16.1</b>  | 0.89                | 1.78                | 30468      | 4.1       | 19.0                     | <b>11.3</b>  | 0.62                | 1.29                | C82-85,C96      |
| Immunoproliferative diseases | 719        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 480        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 9578       | 1.2       | 6.0                      | <b>4.1</b>   | 0.20                | 0.49                | 7458       | 1.0       | 4.7                      | <b>2.6</b>   | 0.13                | 0.30                | C90             |
| Lymphoid leukaemia           | 13007      | 1.6       | 8.2                      | <b>6.7</b>   | 0.33                | 0.64                | 8907       | 1.2       | 5.6                      | <b>4.0</b>   | 0.19                | 0.36                | C91             |
| Myeloid leukaemia            | 10156      | 1.3       | 6.4                      | <b>4.6</b>   | 0.23                | 0.47                | 8136       | 1.1       | 5.1                      | <b>3.2</b>   | 0.18                | 0.32                | C92-94          |
| Leukaemia unspecified        | 837        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 842        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 4264       | 0.5       | 2.7                      | <b>1.9</b>   | 0.10                | 0.22                | 3885       | 0.5       | 2.4                      | <b>1.4</b>   | 0.07                | 0.15                | MPD             |
| Myelodysplastic syndromes    | 8008       | 1.0       | 5.0                      | <b>3.0</b>   | 0.08                | 0.30                | 6287       | 0.9       | 3.9                      | <b>1.8</b>   | 0.06                | 0.19                | MDS             |
| Other and unspecified        | 15915      | 2.0       | 10.0                     | <b>6.7</b>   | 0.32                | 0.74                | 18917      | 2.6       | 11.8                     | <b>6.0</b>   | 0.27                | 0.66                | O&U             |
| All sites                    | 792735     |           | 498.2                    | <b>359.5</b> | 18.52               | 43.42               | 738791     |           | 461.4                    | <b>290.2</b> | 17.91               | 33.09               | C00-96          |
| All sites except C44         | 789597     | 100.0     | 496.2                    | <b>358.2</b> | 18.46               | 43.29               | 736371     | 100.0     | 459.9                    | <b>289.3</b> | 17.86               | 32.99               | C00-96 exc. C44 |

§Includes 38 cases of unknown age

§Includes 25 cases of unknown age

\*See note following population pyramid





# USA, Alabama

## REGISTRATION AREA

The Alabama Statewide Cancer Registry (ASCR) is a statewide population-based cancer registry that collects data on all cancer cases diagnosed or treated in the state of Alabama in the USA.

## REGISTRY STRUCTURE AND METHODS

The ASCR was established in 1995 by the Alabama Department of Public Health in response to a state law (Act 95-275) that made cancer a reportable condition. Data collection began on 1 January 1996. The ASCR is located within the Bureau of Family Health Services and is responsible for maintaining a statewide cancer incidence reporting system for the purpose of providing accurate and up-to-date information about cancer in Alabama. The ASCR is a participant in the National Program of Cancer Registries (NPCR), which was established by the United States Centers for Disease Control and Prevention (CDC) in 1992 through the federal Cancer Registries Amendment Act (Public Law 102-515). The NPCR provides funding, guidance, and programme standards for state cancer registries throughout the USA. In recognition of the ASCR's achievement of NPCR standards for data completeness, timeliness, and quality, Alabama's cancer data are included in the *United States Cancer Statistics* report. The ASCR is a member of the North American Association of Central Cancer Registries (NAACCR), which sets standards for completeness, timeliness, and data quality. Registries that meet the highest standards receive NAACCR Gold Certification. The ASCR has achieved NAACCR Gold Certification since data year 2004.

## INTERPRETING THE RESULTS

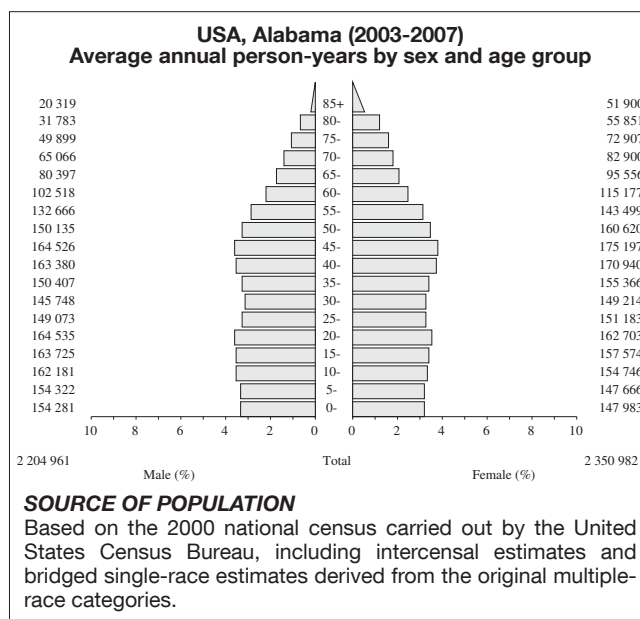
Alabama has breast cancer and cervical cancer screening programmes (with 3% coverage only) for women aged 40–64 years, which started in 1996.

## USE OF THE DATA

The ASCR's central repository of information is a valuable tool for monitoring trends in cancer incidence, identifying populations at high risk of cancer, facilitating studies related to cancer prevention, and planning cancer control initiatives.

## CONTRIBUTORS

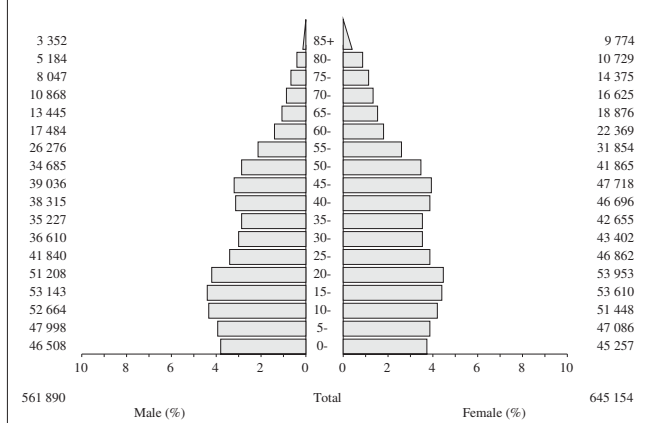
Xuejun Shen  
Justin T. George  
Diane Hadley  
Mark K. Jackson  
Tara Freeman  
Teisha Robertson  
Ashley Gruenwald  
Crystal Morton  
Teresa Trailer  
Elaine Wooden



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 107.1 | Breast                     | 82.2  |
| Trachea, bronchus and lung | 69.0  | Trachea, bronchus and lung | 36.4  |
| Colon                      | 27.6  | Colon                      | 19.7  |
| Bladder                    | 18.8  | Corpus uteri               | 12.7  |
| Melanoma of skin           | 15.2  | Melanoma of skin           | 10.1  |
| Non-Hodgkin lymphoma       | 14.0  | Non-Hodgkin lymphoma       | 9.2   |
| Kidney                     | 13.6  | Ovary                      | 8.5   |
| Rectum                     | 11.5  | Thyroid                    | 8.5   |
| Pancreas                   | 8.4   | Kidney                     | 7.4   |
| Other and unspecified      | 7.9   | Rectum                     | 6.8   |
| All sites                  | 379.6 | All sites                  | 267.5 |

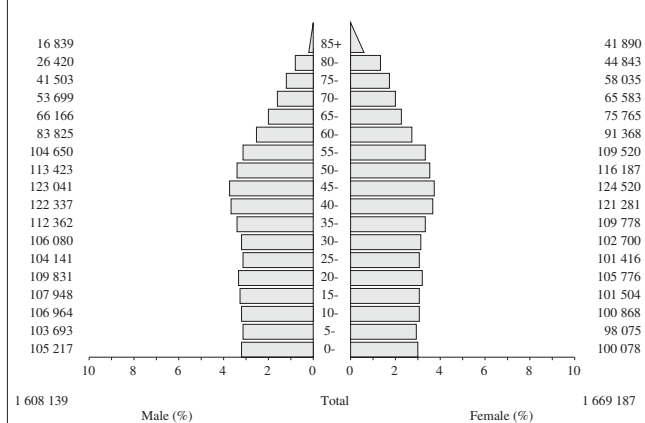
**USA, Alabama: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, ALABAMA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 165.5 | Breast                     | 81.6  |
| Trachea, bronchus and lung | 72.1  | Trachea, bronchus and lung | 27.8  |
| Colon                      | 34.2  | Colon                      | 25.6  |
| Kidney                     | 14.4  | Corpus uteri               | 13.8  |
| Rectum                     | 12.3  | Cervix uteri               | 7.3   |
| Non-Hodgkin lymphoma       | 10.7  | Kidney                     | 7.3   |
| Pancreas                   | 10.4  | Rectum                     | 7.2   |
| Larynx                     | 9.9   | Ovary                      | 7.1   |
| Stomach                    | 9.9   | Other and unspecified      | 7.1   |
| Bladder                    | 9.8   | Pancreas                   | 6.8   |
| All sites                  | 430.1 | All sites                  | 254.3 |

**USA, Alabama: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, ALABAMA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 91.6  | Breast                     | 81.5  |
| Trachea, bronchus and lung | 68.5  | Trachea, bronchus and lung | 39.0  |
| Colon                      | 26.1  | Colon                      | 18.1  |
| Bladder                    | 20.8  | Melanoma of skin           | 13.4  |
| Melanoma of skin           | 18.9  | Corpus uteri               | 12.6  |
| Non-Hodgkin lymphoma       | 14.7  | Non-Hodgkin lymphoma       | 9.8   |
| Kidney                     | 13.5  | Thyroid                    | 9.3   |
| Rectum                     | 11.3  | Ovary                      | 9.0   |
| Pancreas                   | 7.9   | Kidney                     | 7.5   |
| Other and unspecified      | 7.6   | Rectum                     | 6.7   |
| All sites                  | 366.7 | All sites                  | 271.5 |

## USA, Alabama (2003-2007)

| SITE                         | Male       |           |                          |           |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|-----------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 219        | 0.4       | 2.0                      | 1.3       | 0.08                     | 0.16       | 60        | 0.1                      | 0.5       | 0.3                      | 0.01   | 0.03  | C00             |
| Tongue                       | 547        | 0.9       | 5.0                      | 3.5       | 0.26                     | 0.41       | 210       | 0.4                      | 1.8       | 1.1                      | 0.06   | 0.13  | C01-02          |
| Mouth                        | 425        | 0.7       | 3.9                      | 2.7       | 0.18                     | 0.34       | 272       | 0.5                      | 2.3       | 1.3                      | 0.08   | 0.15  | C03-06          |
| Salivary glands              | 190        | 0.3       | 1.7                      | 1.2       | 0.06                     | 0.13       | 104       | 0.2                      | 0.9       | 0.5                      | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 307        | 0.5       | 2.8                      | 2.1       | 0.17                     | 0.24       | 87        | 0.2                      | 0.7       | 0.5                      | 0.04   | 0.06  | C09             |
| Other oropharynx             | 134        | 0.2       | 1.2                      | 0.9       | 0.06                     | 0.11       | 42        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 96         | 0.2       | 0.9                      | 0.7       | 0.05                     | 0.08       | 37        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 199        | 0.3       | 1.8                      | 1.3       | 0.09                     | 0.18       | 53        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 76         | 0.1       | 0.7                      | 0.5       | 0.03                     | 0.06       | 18        | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C14             |
| Oesophagus                   | 979        | 1.6       | 8.9                      | 6.2       | 0.40                     | 0.75       | 246       | 0.5                      | 2.1       | 1.2                      | 0.07   | 0.15  | C15             |
| Stomach                      | 880        | 1.5       | 8.0                      | 5.3       | 0.30                     | 0.62       | 636       | 1.3                      | 5.4       | 2.8                      | 0.14   | 0.31  | C16             |
| Small intestine              | 244        | 0.4       | 2.2                      | 1.5       | 0.10                     | 0.18       | 225       | 0.4                      | 1.9       | 1.2                      | 0.08   | 0.14  | C17             |
| Colon                        | 4555       | 7.5       | 41.3                     | 27.6      | 1.46                     | 3.31       | 4366      | 8.6                      | 37.1      | 19.7                     | 1.07   | 2.27  | C18             |
| Rectum                       | 1812       | 3.0       | 16.4                     | 11.5      | 0.74                     | 1.41       | 1362      | 2.7                      | 11.6      | 6.8                      | 0.43   | 0.80  | C19-20          |
| Anus                         | 137        | 0.2       | 1.2                      | 0.9       | 0.07                     | 0.10       | 238       | 0.5                      | 2.0       | 1.3                      | 0.09   | 0.15  | C21             |
| Liver                        | 841        | 1.4       | 7.6                      | 5.3       | 0.35                     | 0.64       | 372       | 0.7                      | 3.2       | 1.8                      | 0.09   | 0.21  | C22             |
| Gallbladder etc.             | 239        | 0.4       | 2.2                      | 1.3       | 0.05                     | 0.14       | 308       | 0.6                      | 2.6       | 1.4                      | 0.07   | 0.16  | C23-24          |
| Pancreas                     | 1379       | 2.3       | 12.5                     | 8.4       | 0.43                     | 1.02       | 1293      | 2.5                      | 11.0      | 5.4                      | 0.26   | 0.63  | C25             |
| Nose, sinuses etc.           | 123        | 0.2       | 1.1                      | 0.8       | 0.05                     | 0.10       | 51        | 0.1                      | 0.4       | 0.3                      | 0.01   | 0.03  | C30-31          |
| Larynx                       | 1035       | 1.7       | 9.4                      | 6.7       | 0.44                     | 0.84       | 284       | 0.6                      | 2.4       | 1.6                      | 0.12   | 0.19  | C32             |
| Trachea, bronchus and lung   | 11366      | 18.8      | 103.1                    | 69.0      | 3.43                     | 8.90       | 7394      | 14.5                     | 62.9      | 36.4                     | 1.99   | 4.76  | C33-34          |
| Other thoracic organs        | 47         | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.03       | 40        | 0.1                      | 0.3       | 0.3                      | 0.02   | 0.02  | C37-38          |
| Bone                         | 146        | 0.2       | 1.3                      | 1.1       | 0.07                     | 0.09       | 97        | 0.2                      | 0.8       | 0.7                      | 0.04   | 0.06  | C40-41          |
| Melanoma of skin             | 2394       | 4.0       | 21.7                     | 15.2      | 0.94                     | 1.73       | 1681      | 3.3                      | 14.3      | 10.1                     | 0.72   | 1.04  | C43             |
| Other skin                   | 154        | 0.2       | 1.4                      | 1.0       | 0.05                     | 0.10       | 141       | 0.2                      | 1.2       | 0.8                      | 0.05   | 0.08  | C44             |
| Mesothelioma                 | 148        | 0.2       | 1.3                      | 0.8       | 0.03                     | 0.09       | 43        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 63         | 0.1       | 0.6                      | 0.5       | 0.04                     | 0.04       | 10        | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 413        | 0.7       | 3.7                      | 2.8       | 0.16                     | 0.27       | 359       | 0.7                      | 3.1       | 2.3                      | 0.15   | 0.22  | C47+C49         |
| Breast                       | 155        | 0.3       | 1.4                      | 1.0       | 0.06                     | 0.11       | 14942     | 29.4                     | 127.1     | 82.2                     | 5.92   | 9.48  | C50             |
| Vulva                        |            |           |                          |           |                          |            | 301       | 0.6                      | 2.6       | 1.5                      | 0.10   | 0.16  | C51             |
| Vagina                       |            |           |                          |           |                          |            | 94        | 0.2                      | 0.8       | 0.5                      | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |           |                          |            | 1035      | 2.0                      | 8.8       | 6.7                      | 0.52   | 0.65  | C53             |
| Corpus uteri                 |            |           |                          |           |                          |            | 2330      | 4.6                      | 19.8      | 12.7                     | 0.88   | 1.57  | C54             |
| Uterus unspecified           |            |           |                          |           |                          |            | 83        | 0.2                      | 0.7       | 0.4                      | 0.02   | 0.05  | C55             |
| Ovary                        |            |           |                          |           |                          |            | 1626      | 3.2                      | 13.8      | 8.5                      | 0.54   | 1.00  | C56             |
| Other female genital organs  |            |           |                          |           |                          |            | 66        | 0.1                      | 0.6       | 0.4                      | 0.03   | 0.04  | C57             |
| Placenta                     |            |           |                          |           |                          |            | 12        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C58             |
| Penis                        | 90         | 0.1       | 0.8                      | 0.6       | 0.04                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 17218      | 28.5      | 156.2                    | 107.1     | 5.58                     | 14.43      |           |                          |           |                          |        |       | C61             |
| Testis                       | 466        | 0.8       | 4.2                      | 4.0       | 0.30                     | 0.31       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 24         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2087       | 3.4       | 18.9                     | 13.6      | 0.89                     | 1.64       | 1341      | 2.6                      | 11.4      | 7.4                      | 0.47   | 0.86  | C64             |
| Renal pelvis                 | 75         | 0.1       | 0.7                      | 0.4       | 0.02                     | 0.05       | 52        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C65             |
| Ureter                       | 58         | 0.1       | 0.5                      | 0.4       | 0.02                     | 0.04       | 47        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.02  | C66             |
| Bladder                      | 3242       | 5.4       | 29.4                     | 18.8      | 0.82                     | 2.21       | 1057      | 2.1                      | 9.0       | 4.7                      | 0.23   | 0.56  | C67             |
| Other urinary organs         | 35         | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02       | 12        | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 107        | 0.2       | 1.0                      | 0.8       | 0.05                     | 0.08       | 89        | 0.2                      | 0.8       | 0.6                      | 0.03   | 0.06  | C69             |
| Brain, nervous system        | 824        | 1.4       | 7.5                      | 6.1       | 0.38                     | 0.60       | 713       | 1.4                      | 6.1       | 4.8                      | 0.30   | 0.44  | C70-72          |
| Thyroid                      | 431        | 0.7       | 3.9                      | 3.0       | 0.20                     | 0.34       | 1267      | 2.5                      | 10.8      | 8.5                      | 0.66   | 0.83  | C73             |
| Adrenal gland                | 30         | 0.0       | 0.3                      | 0.3       | 0.02                     | 0.02       | 35        | 0.1                      | 0.3       | 0.3                      | 0.02   | 0.02  | C74             |
| Other endocrine              | 17         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.02       | 16        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 294        | 0.5       | 2.7                      | 2.4       | 0.17                     | 0.20       | 257       | 0.5                      | 2.2       | 2.1                      | 0.14   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 2165       | 3.6       | 19.6                     | 14.0      | 0.84                     | 1.56       | 1886      | 3.7                      | 16.0      | 9.2                      | 0.49   | 1.07  | C82-85,C96      |
| Immunoproliferative diseases | 18         | 0.0       | 0.2                      | 0.1       | 0.00                     | 0.01       | 10        | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 781        | 1.3       | 7.1                      | 4.8       | 0.25                     | 0.59       | 675       | 1.3                      | 5.7       | 3.2                      | 0.19   | 0.38  | C90             |
| Lymphoid leukaemia           | 771        | 1.3       | 7.0                      | 5.2       | 0.27                     | 0.53       | 543       | 1.1                      | 4.6       | 3.2                      | 0.17   | 0.30  | C91             |
| Myeloid leukaemia            | 628        | 1.0       | 5.7                      | 4.1       | 0.23                     | 0.44       | 545       | 1.1                      | 4.6       | 3.1                      | 0.19   | 0.31  | C92-94          |
| Leukaemia unspecified        | 59         | 0.1       | 0.5                      | 0.4       | 0.01                     | 0.03       | 49        | 0.1                      | 0.4       | 0.2                      | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 232        | 0.4       | 2.1                      | 1.5       | 0.10                     | 0.17       | 201       | 0.4                      | 1.7       | 1.0                      | 0.06   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 396        | 0.7       | 3.6                      | 2.2       | 0.07                     | 0.24       | 321       | 0.6                      | 2.7       | 1.3                      | 0.06   | 0.13  | MDS             |
| Other and unspecified        | 1305       | 2.2       | 11.8                     | 7.9       | 0.43                     | 0.90       | 1343      | 2.6                      | 11.4      | 5.9                      | 0.30   | 0.68  | O&U             |
| All sites                    | 60656      |           | 550.2                    | 379.6     | 20.89                    | 46.68      | 50977     |                          | 433.7     | 267.5                    | 17.09  | 30.79 | C00-96          |
| All sites except C44         | 60502      | 100.0     | 548.8                    | 378.6     | 20.84                    | 46.58      | 50836     | 100.0                    | 432.5     | 266.7                    | 17.04  | 30.71 | C00-96 exc. C44 |

§Includes 4 cases of unknown age

§Includes 8 cases of unknown age

## USA, Alabama: Black (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 64         | 0.5       | 2.3                      | <b>2.2</b>   | 0.14                     | 0.27       | 22        | 0.2                      | 0.7       | <b>0.6</b>               | 0.05   | 0.06  | C01-02          |
| Mouth                        | 91         | 0.7       | 3.2                      | <b>3.0</b>   | 0.23                     | 0.33       | 55        | 0.5                      | 1.7       | <b>1.3</b>               | 0.10   | 0.13  | C03-06          |
| Salivary glands              | 22         | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.08       | 25        | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C07-08          |
| Tonsil                       | 55         | 0.4       | 2.0                      | <b>1.9</b>   | 0.16                     | 0.23       | 15        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 39         | 0.3       | 1.4                      | <b>1.4</b>   | 0.11                     | 0.17       | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 26         | 0.2       | 0.9                      | <b>0.9</b>   | 0.08                     | 0.10       | 15        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.03  | C11             |
| Hypopharynx                  | 61         | 0.5       | 2.2                      | <b>2.3</b>   | 0.18                     | 0.31       | 15        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C12-13          |
| Pharynx unspecified          | 21         | 0.2       | 0.7                      | <b>0.7</b>   | 0.06                     | 0.09       | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 256        | 2.1       | 9.1                      | <b>9.0</b>   | 0.61                     | 1.17       | 71        | 0.7                      | 2.2       | <b>1.7</b>               | 0.13   | 0.22  | C15             |
| Stomach                      | 298        | 2.4       | 10.6                     | <b>9.9</b>   | 0.56                     | 1.09       | 218       | 2.1                      | 6.8       | <b>4.5</b>               | 0.22   | 0.54  | C16             |
| Small intestine              | 59         | 0.5       | 2.1                      | <b>2.0</b>   | 0.13                     | 0.24       | 76        | 0.7                      | 2.4       | <b>1.8</b>               | 0.12   | 0.22  | C17             |
| Colon                        | 1023       | 8.2       | 36.4                     | <b>34.2</b>  | 1.86                     | 4.15       | 1150      | 10.8                     | 35.7      | <b>25.6</b>              | 1.49   | 3.01  | C18             |
| Rectum                       | 365        | 2.9       | 13.0                     | <b>12.3</b>  | 0.82                     | 1.52       | 309       | 2.9                      | 9.6       | <b>7.2</b>               | 0.45   | 0.88  | C19-20          |
| Anus                         | 30         | 0.2       | 1.1                      | <b>1.0</b>   | 0.09                     | 0.10       | 42        | 0.4                      | 1.3       | <b>1.0</b>               | 0.07   | 0.11  | C21             |
| Liver                        | 206        | 1.7       | 7.3                      | <b>6.8</b>   | 0.51                     | 0.78       | 76        | 0.7                      | 2.4       | <b>1.8</b>               | 0.11   | 0.22  | C22             |
| Gallbladder etc.             | 41         | 0.3       | 1.5                      | <b>1.2</b>   | 0.04                     | 0.10       | 81        | 0.8                      | 2.5       | <b>1.8</b>               | 0.09   | 0.22  | C23-24          |
| Pancreas                     | 307        | 2.5       | 10.9                     | <b>10.4</b>  | 0.57                     | 1.27       | 332       | 3.1                      | 10.3      | <b>6.8</b>               | 0.34   | 0.78  | C25             |
| Nose, sinuses etc.           | 20         | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.08       | 11        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C30-31          |
| Larynx                       | 286        | 2.3       | 10.2                     | <b>9.9</b>   | 0.69                     | 1.21       | 66        | 0.6                      | 2.0       | <b>1.6</b>               | 0.11   | 0.20  | C32             |
| Trachea, bronchus and lung   | 2093       | 16.8      | 74.5                     | <b>72.1</b>  | 3.97                     | 9.20       | 1161      | 10.9                     | 36.0      | <b>27.8</b>              | 1.65   | 3.58  | C33-34          |
| Other thoracic organs        | 9          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 12        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 33         | 0.3       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.11       | 25        | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.05  | C40-41          |
| Melanoma of skin             | 19         | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.07       | 29        | 0.3                      | 0.9       | <b>0.5</b>               | 0.02   | 0.05  | C43             |
| Other skin                   | 21         | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.07       | 34        | 0.3                      | 1.1       | <b>0.9</b>               | 0.06   | 0.10  | C44             |
| Mesothelioma                 | 27         | 0.2       | 1.0                      | <b>0.9</b>   | 0.04                     | 0.11       | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C45             |
| Kaposi sarcoma               | 25         | 0.2       | 0.9                      | <b>0.8</b>   | 0.07                     | 0.08       | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 84         | 0.7       | 3.0                      | <b>2.9</b>   | 0.18                     | 0.29       | 114       | 1.1                      | 3.5       | <b>3.1</b>               | 0.19   | 0.30  | C47+C49         |
| Breast                       | 37         | 0.3       | 1.3                      | <b>1.2</b>   | 0.08                     | 0.12       | 3316      | 31.3                     | 102.8     | <b>81.6</b>              | 6.05   | 9.20  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 52        | 0.5                      | 1.6       | <b>1.3</b>               | 0.10   | 0.12  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 25        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 304       | 2.9                      | 9.4       | <b>7.3</b>               | 0.55   | 0.78  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 548       | 5.2                      | 17.0      | <b>13.8</b>              | 0.85   | 1.80  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 41        | 0.4                      | 1.3       | <b>0.9</b>               | 0.04   | 0.12  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 290       | 2.7                      | 9.0       | <b>7.1</b>               | 0.44   | 0.85  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 15        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 6         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 20         | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.08       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 4673       | 37.6      | 166.3                    | <b>165.5</b> | 9.34                     | 22.18      |           |                          |           |                          |        |       | C61             |
| Testis                       | 41         | 0.3       | 1.5                      | <b>1.4</b>   | 0.10                     | 0.12       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 415        | 3.3       | 14.8                     | <b>14.4</b>  | 0.95                     | 1.69       | 302       | 2.8                      | 9.4       | <b>7.3</b>               | 0.45   | 0.87  | C64             |
| Renal pelvis                 | 4          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 5          | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 297        | 2.4       | 10.6                     | <b>9.8</b>   | 0.40                     | 1.09       | 156       | 1.5                      | 4.8       | <b>3.3</b>               | 0.15   | 0.40  | C67             |
| Other urinary organs         | 5          | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02       | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C68             |
| Eye                          | 8          | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.01       | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 110        | 0.9       | 3.9                      | <b>3.9</b>   | 0.24                     | 0.36       | 87        | 0.8                      | 2.7       | <b>2.4</b>               | 0.16   | 0.18  | C70-72          |
| Thyroid                      | 50         | 0.4       | 1.8                      | <b>1.6</b>   | 0.12                     | 0.17       | 248       | 2.3                      | 7.7       | <b>6.5</b>               | 0.50   | 0.66  | C73             |
| Adrenal gland                | 5          | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 16        | 0.2                      | 0.5       | <b>0.5</b>               | 0.03   | 0.04  | C74             |
| Other endocrine              | 4          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.02       | 6         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 63         | 0.5       | 2.2                      | <b>2.1</b>   | 0.14                     | 0.18       | 66        | 0.6                      | 2.0       | <b>1.9</b>               | 0.13   | 0.14  | C81             |
| Non-Hodgkin lymphoma         | 320        | 2.6       | 11.4                     | <b>10.7</b>  | 0.75                     | 1.15       | 269       | 2.5                      | 8.3       | <b>6.6</b>               | 0.42   | 0.77  | C82-85,C96      |
| Immunoproliferative diseases | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 245        | 2.0       | 8.7                      | <b>8.3</b>   | 0.49                     | 1.02       | 250       | 2.4                      | 7.8       | <b>5.7</b>               | 0.36   | 0.70  | C90             |
| Lymphoid leukaemia           | 114        | 0.9       | 4.1                      | <b>4.0</b>   | 0.20                     | 0.42       | 91        | 0.9                      | 2.8       | <b>2.3</b>               | 0.12   | 0.24  | C91             |
| Myeloid leukaemia            | 92         | 0.7       | 3.3                      | <b>3.0</b>   | 0.17                     | 0.28       | 122       | 1.2                      | 3.8       | <b>3.1</b>               | 0.19   | 0.29  | C92-94          |
| Leukaemia unspecified        | 8          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 32         | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.15       | 44        | 0.4                      | 1.4       | <b>0.9</b>               | 0.05   | 0.09  | MPD             |
| Myelodysplastic syndromes    | 45         | 0.4       | 1.6                      | <b>1.4</b>   | 0.04                     | 0.15       | 58        | 0.5                      | 1.8       | <b>1.1</b>               | 0.06   | 0.11  | MDS             |
| Other and unspecified        | 281        | 2.3       | 10.0                     | <b>9.5</b>   | 0.56                     | 1.09       | 327       | 3.1                      | 10.1      | <b>7.1</b>               | 0.33   | 0.87  | O&U             |
| All sites                    | 12457      |           | 443.4                    | <b>430.1</b> | 25.15                    | 53.60      | 10641     |                          | 329.9     | <b>254.3</b>             | 16.51  | 29.40 | C00-96          |
| All sites except C44         | 12436      | 100.0     | 442.7                    | <b>429.4</b> | 25.10                    | 53.53      | 10607     | 100.0                    | 328.8     | <b>253.4</b>             | 16.45  | 29.30 | C00-96 exc. C44 |

§Includes 2 cases of unknown age

§Includes 1 case of unknown age

## USA, Alabama: White (2003-2007)

| SITE                         | Male       |           |                          |           |                     |                     | Female     |           |                          |           |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|-----------|---------------------|---------------------|------------|-----------|--------------------------|-----------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 217        | 0.5       | 2.7                      | 1.7       | 0.10                | 0.20                | 53         | 0.1       | 0.6                      | 0.3       | 0.02                | 0.03                | C00             |
| Tongue                       | 478        | 1.0       | 5.9                      | 3.9       | 0.30                | 0.45                | 183        | 0.5       | 2.2                      | 1.2       | 0.07                | 0.14                | C01-02          |
| Mouth                        | 330        | 0.7       | 4.1                      | 2.6       | 0.16                | 0.33                | 212        | 0.5       | 2.5                      | 1.2       | 0.07                | 0.15                | C03-06          |
| Salivary glands              | 167        | 0.4       | 2.1                      | 1.3       | 0.07                | 0.14                | 78         | 0.2       | 0.9                      | 0.5       | 0.03                | 0.05                | C07-08          |
| Tonsil                       | 247        | 0.5       | 3.1                      | 2.1       | 0.18                | 0.24                | 72         | 0.2       | 0.9                      | 0.6       | 0.04                | 0.07                | C09             |
| Other oropharynx             | 95         | 0.2       | 1.2                      | 0.8       | 0.05                | 0.10                | 34         | 0.1       | 0.4                      | 0.2       | 0.02                | 0.03                | C10             |
| Nasopharynx                  | 66         | 0.1       | 0.8                      | 0.6       | 0.04                | 0.07                | 22         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 136        | 0.3       | 1.7                      | 1.1       | 0.07                | 0.15                | 38         | 0.1       | 0.5                      | 0.2       | 0.01                | 0.03                | C12-13          |
| Pharynx unspecified          | 54         | 0.1       | 0.7                      | 0.4       | 0.02                | 0.05                | 12         | 0.0       | 0.1                      | 0.1       | 0.01                | 0.01                | C14             |
| Oesophagus                   | 717        | 1.5       | 8.9                      | 5.6       | 0.36                | 0.66                | 170        | 0.4       | 2.0                      | 1.0       | 0.05                | 0.12                | C15             |
| Stomach                      | 575        | 1.2       | 7.2                      | 4.3       | 0.23                | 0.51                | 405        | 1.0       | 4.9                      | 2.2       | 0.11                | 0.25                | C16             |
| Small intestine              | 184        | 0.4       | 2.3                      | 1.4       | 0.09                | 0.17                | 146        | 0.4       | 1.7                      | 1.0       | 0.06                | 0.11                | C17             |
| Colon                        | 3491       | 7.4       | 43.4                     | 26.1      | 1.36                | 3.13                | 3180       | 8.0       | 38.1                     | 18.1      | 0.95                | 2.07                | C18             |
| Rectum                       | 1422       | 3.0       | 17.7                     | 11.3      | 0.71                | 1.37                | 1040       | 2.6       | 12.5                     | 6.7       | 0.43                | 0.78                | C19-20          |
| Anus                         | 106        | 0.2       | 1.3                      | 0.9       | 0.06                | 0.10                | 195        | 0.5       | 2.3                      | 1.4       | 0.10                | 0.16                | C21             |
| Liver                        | 618        | 1.3       | 7.7                      | 4.9       | 0.30                | 0.60                | 288        | 0.7       | 3.5                      | 1.7       | 0.09                | 0.20                | C22             |
| Gallbladder etc.             | 195        | 0.4       | 2.4                      | 1.3       | 0.06                | 0.14                | 221        | 0.6       | 2.6                      | 1.2       | 0.06                | 0.14                | C23-24          |
| Pancreas                     | 1064       | 2.3       | 13.2                     | 7.9       | 0.39                | 0.97                | 944        | 2.4       | 11.3                     | 5.0       | 0.24                | 0.59                | C25             |
| Nose, sinuses etc.           | 102        | 0.2       | 1.3                      | 0.8       | 0.05                | 0.10                | 39         | 0.1       | 0.5                      | 0.3       | 0.01                | 0.03                | C30-31          |
| Larynx                       | 740        | 1.6       | 9.2                      | 5.9       | 0.38                | 0.75                | 218        | 0.6       | 2.6                      | 1.6       | 0.12                | 0.19                | C32             |
| Trachea, bronchus and lung   | 9217       | 19.6      | 114.6                    | 68.5      | 3.31                | 8.86                | 6184       | 15.6      | 74.1                     | 39.0      | 2.10                | 5.10                | C33-34          |
| Other thoracic organs        | 38         | 0.1       | 0.5                      | 0.4       | 0.03                | 0.03                | 27         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | C37-38          |
| Bone                         | 112        | 0.2       | 1.4                      | 1.2       | 0.07                | 0.09                | 71         | 0.2       | 0.9                      | 0.7       | 0.04                | 0.07                | C40-41          |
| Melanoma of skin             | 2356       | 5.0       | 29.3                     | 18.9      | 1.19                | 2.14                | 1628       | 4.1       | 19.5                     | 13.4      | 0.97                | 1.36                | C43             |
| Other skin                   | 131        | 0.3       | 1.6                      | 1.0       | 0.05                | 0.10                | 103        | 0.3       | 1.2                      | 0.7       | 0.05                | 0.07                | C44             |
| Mesothelioma                 | 119        | 0.3       | 1.5                      | 0.8       | 0.03                | 0.09                | 40         | 0.1       | 0.5                      | 0.2       | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 34         | 0.1       | 0.4                      | 0.3       | 0.03                | 0.03                | 8          | 0.0       | 0.1                      | 0.0       | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 317        | 0.7       | 3.9                      | 2.7       | 0.15                | 0.25                | 238        | 0.6       | 2.9                      | 2.0       | 0.13                | 0.19                | C47+C49         |
| Breast                       | 115        | 0.2       | 1.4                      | 0.9       | 0.05                | 0.11                | 11419      | 28.8      | 136.8                    | 81.5      | 5.83                | 9.48                | C50             |
| Vulva                        |            |           |                          |           |                     |                     | 240        | 0.6       | 2.9                      | 1.5       | 0.09                | 0.17                | C51             |
| Vagina                       |            |           |                          |           |                     |                     | 67         | 0.2       | 0.8                      | 0.4       | 0.02                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |           |                     |                     | 705        | 1.8       | 8.4                      | 6.5       | 0.52                | 0.62                | C53             |
| Corpus uteri                 |            |           |                          |           |                     |                     | 1761       | 4.4       | 21.1                     | 12.6      | 0.90                | 1.53                | C54             |
| Uterus unspecified           |            |           |                          |           |                     |                     | 41         | 0.1       | 0.5                      | 0.3       | 0.02                | 0.03                | C55             |
| Ovary                        |            |           |                          |           |                     |                     | 1322       | 3.3       | 15.8                     | 9.0       | 0.58                | 1.05                | C56             |
| Other female genital organs  |            |           |                          |           |                     |                     | 50         | 0.1       | 0.6                      | 0.4       | 0.03                | 0.04                | C57             |
| Placenta                     |            |           |                          |           |                     |                     | 5          | 0.0       | 0.1                      | 0.1       | 0.00                | 0.00                | C58             |
| Penis                        | 69         | 0.1       | 0.9                      | 0.5       | 0.04                | 0.06                |            |           |                          |           |                     |                     | C60             |
| Prostate                     | 12032      | 25.5      | 149.6                    | 91.6      | 4.61                | 12.43               |            |           |                          |           |                     |                     | C61             |
| Testis                       | 419        | 0.9       | 5.2                      | 5.0       | 0.37                | 0.38                |            |           |                          |           |                     |                     | C62             |
| Other male genital organs    | 23         | 0.0       | 0.3                      | 0.2       | 0.02                | 0.02                |            |           |                          |           |                     |                     | C63             |
| Kidney                       | 1659       | 3.5       | 20.6                     | 13.5      | 0.88                | 1.64                | 1030       | 2.6       | 12.3                     | 7.5       | 0.48                | 0.87                | C64             |
| Renal pelvis                 | 70         | 0.1       | 0.9                      | 0.5       | 0.02                | 0.05                | 43         | 0.1       | 0.5                      | 0.2       | 0.01                | 0.03                | C65             |
| Ureter                       | 53         | 0.1       | 0.7                      | 0.4       | 0.02                | 0.05                | 42         | 0.1       | 0.5                      | 0.2       | 0.01                | 0.02                | C66             |
| Bladder                      | 2904       | 6.2       | 36.1                     | 20.8      | 0.92                | 2.46                | 891        | 2.2       | 10.7                     | 5.1       | 0.26                | 0.61                | C67             |
| Other urinary organs         | 29         | 0.1       | 0.4                      | 0.2       | 0.01                | 0.02                | 7          | 0.0       | 0.1                      | 0.0       | 0.00                | 0.00                | C68             |
| Eye                          | 98         | 0.2       | 1.2                      | 0.9       | 0.06                | 0.09                | 85         | 0.2       | 1.0                      | 0.7       | 0.04                | 0.07                | C69             |
| Brain, nervous system        | 710        | 1.5       | 8.8                      | 6.7       | 0.43                | 0.67                | 620        | 1.6       | 7.4                      | 5.6       | 0.35                | 0.52                | C70-72          |
| Thyroid                      | 378        | 0.8       | 4.7                      | 3.4       | 0.23                | 0.38                | 998        | 2.5       | 12.0                     | 9.3       | 0.73                | 0.90                | C73             |
| Adrenal gland                | 25         | 0.1       | 0.3                      | 0.3       | 0.02                | 0.02                | 19         | 0.0       | 0.2                      | 0.3       | 0.02                | 0.02                | C74             |
| Other endocrine              | 12         | 0.0       | 0.1                      | 0.1       | 0.01                | 0.01                | 10         | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                | C75             |
| Hodgkin lymphoma             | 220        | 0.5       | 2.7                      | 2.5       | 0.17                | 0.21                | 185        | 0.5       | 2.2                      | 2.1       | 0.14                | 0.17                | C81             |
| Non-Hodgkin lymphoma         | 1817       | 3.9       | 22.6                     | 14.7      | 0.85                | 1.64                | 1585       | 4.0       | 19.0                     | 9.8       | 0.51                | 1.14                | C82-85,C96      |
| Immunoproliferative diseases | 18         | 0.0       | 0.2                      | 0.1       | 0.01                | 0.01                | 10         | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                | C88             |
| Multiple myeloma             | 528        | 1.1       | 6.6                      | 3.9       | 0.20                | 0.49                | 414        | 1.0       | 5.0                      | 2.4       | 0.14                | 0.29                | C90             |
| Lymphoid leukaemia           | 628        | 1.3       | 7.8                      | 5.4       | 0.28                | 0.55                | 433        | 1.1       | 5.2                      | 3.5       | 0.19                | 0.32                | C91             |
| Myeloid leukaemia            | 529        | 1.1       | 6.6                      | 4.4       | 0.25                | 0.47                | 415        | 1.0       | 5.0                      | 3.0       | 0.19                | 0.31                | C92-94          |
| Leukaemia unspecified        | 49         | 0.1       | 0.6                      | 0.4       | 0.01                | 0.04                | 45         | 0.1       | 0.5                      | 0.2       | 0.00                | 0.02                | C95             |
| Myeloproliferative disorders | 195        | 0.4       | 2.4                      | 1.6       | 0.11                | 0.17                | 153        | 0.4       | 1.8                      | 1.0       | 0.06                | 0.11                | MPD             |
| Myelodysplastic syndromes    | 346        | 0.7       | 4.3                      | 2.4       | 0.08                | 0.26                | 260        | 0.7       | 3.1                      | 1.3       | 0.06                | 0.14                | MDS             |
| Other and unspecified        | 1014       | 2.2       | 12.6                     | 7.6       | 0.40                | 0.86                | 1000       | 2.5       | 12.0                     | 5.6       | 0.30                | 0.63                | O&U             |
| All sites                    | 47268      |           | 587.9                    | 366.7     | 19.88               | 44.94               | 39704      |           | 475.7                    | 271.5     | 17.30               | 31.17               | C00-96          |
| All sites except C44         | 47137      | 100.0     | 586.2                    | 365.7     | 19.83               | 44.84               | 39601      | 100.0     | 474.5                    | 270.8     | 17.25               | 31.09               | C00-96 exc. C44 |

§Includes 2 cases of unknown age

§Includes 4 cases of unknown age



# USA, Alaska

## REGISTRATION AREA

The Alaska Cancer Registry (ACR) covers the population of the state of Alaska – the northernmost state in the USA. Alaska makes up 16% of the total land area of the country, but accounts for only 0.2% of the country’s population. At the most recent census (2010), the population of Alaska was 710 000. Most of the state is rural and sparsely populated. About 41% of Alaskan residents (292 000) live in the municipality of Anchorage, although Anchorage makes up only 0.3% of the state’s land area. Alaska’s population is 71.4% White, 17.0% Alaska Native or American Indian, 7.2% Asian or Pacific Islander, and 4.4% Black.

## CANCER CARE FACILITIES

General health care in Alaska is provided by 24 hospitals, numerous health clinics, and many private practitioners. Because the municipality of Anchorage has the largest population, it also has the most health care facilities, including four hospitals. Alaska Natives are provided health care at no cost at a central hospital in Anchorage.

## REGISTRY STRUCTURE AND METHODS

The ACR is located in Anchorage and is part of the state health department. It is funded mostly by the United States Centers for Disease Control and Prevention (CDC), through the National Program of Cancer Registries (NPCR), and partly by the state health department. The ACR is staffed by four full-time registrars (one of whom is also the registry manager) and a full-time data analyst. Cancer is a reportable disease by state law. The ACR’s annual caseload is approximately 2700 consolidated malignancy cases. The ACR receives most of its cases from hospitals. The remaining cases are received from physicians, pathology laboratories, other state cancer registries, and death certificate review. Quality control is regularly performed on the data, through the use of the most current North American Association of Central Cancer Registries (NAACCR) edits metafile.

## INTERPRETING THE RESULTS

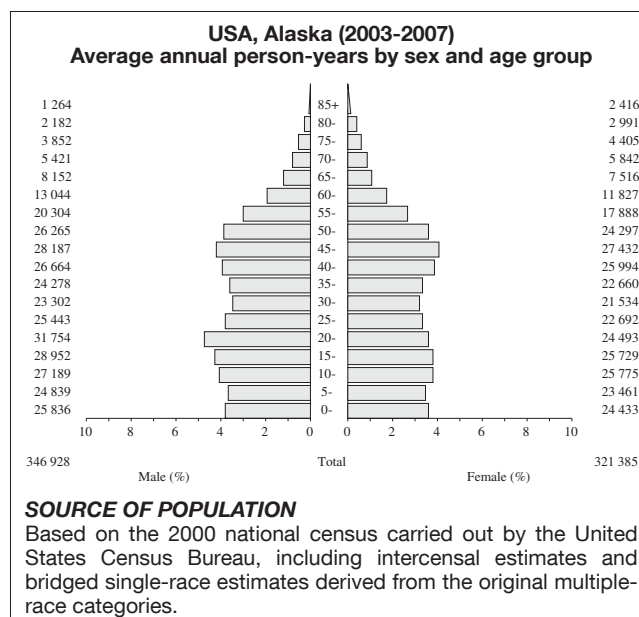
The Alaska Breast and Cervical Health Check programme provides breast and cervical cancer screening services for women who have low income or whose insurance does not cover these services. In addition, the Alaska Native Tribal Health Consortium provides four breast and cervical cancer screening programmes and three colorectal cancer screening programmes.

## USE OF THE DATA

The ACR prepares an annual report on cancer incidence and mortality, and data are submitted annually to NAACCR and CDC for use in national databases and reports. ACR data are regularly requested by the Alaska State Legislature, physicians, researchers, and the general public.

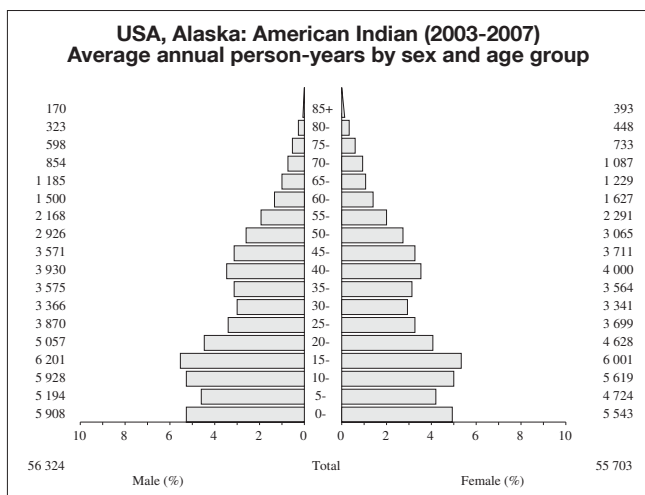
## CONTRIBUTORS

|                  |                  |
|------------------|------------------|
| Leslie Felts     | Judy Brockhouse  |
| David O’Brien    | Christopher Geri |
| Evelyn Honeycutt | Pauleene Romero  |



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 98.5  | Breast                     | 92.8  |
| Trachea, bronchus and lung | 53.6  | Trachea, bronchus and lung | 39.6  |
| Colon                      | 24.3  | Colon                      | 20.8  |
| Bladder                    | 22.7  | Corpus uteri               | 16.5  |
| Non-Hodgkin lymphoma       | 14.9  | Thyroid                    | 14.2  |
| Kidney                     | 12.7  | Non-Hodgkin lymphoma       | 11.8  |
| Rectum                     | 11.0  | Ovary                      | 9.3   |
| Melanoma of skin           | 8.3   | Melanoma of skin           | 7.8   |
| Pancreas                   | 7.8   | Kidney                     | 7.6   |
| Other and unspecified      | 7.5   | Rectum                     | 6.8   |
| All sites                  | 351.9 | All sites                  | 298.3 |



**USA, ALASKA: AMERICAN INDIAN**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Trachea, bronchus and lung | 73.1  | Breast                     | 105.3 |
| Prostate                   | 45.9  | Trachea, bronchus and lung | 51.7  |
| Colon                      | 45.3  | Colon                      | 48.2  |
| Stomach                    | 20.4  | Corpus uteri               | 12.3  |
| Rectum                     | 19.6  | Non-Hodgkin lymphoma       | 11.0  |
| Kidney                     | 17.1  | Ovary                      | 10.7  |
| Bladder                    | 14.2  | Kidney                     | 10.7  |
| Pancreas                   | 10.7  | Cervix uteri               | 10.6  |
| Non-Hodgkin lymphoma       | 10.3  | Rectum                     | 10.5  |
| Other and unspecified      | 9.5   | Stomach                    | 9.3   |
| All sites                  | 348.9 | All sites                  | 362.1 |

**NOTES ON THE DATA:** \*Limited DCO registrations. High MV%.



## USA, Alaska (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 14        | 0.2       | 0.8                      | <b>0.8</b>   | 0.03                     | 0.10      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 48        | 0.8       | 2.8                      | <b>2.7</b>   | 0.17                     | 0.37      | 21        | 0.4                      | 1.3       | <b>1.2</b>               | 0.07   | 0.18  | C01-02          |
| Mouth                        | 37        | 0.6       | 2.1                      | <b>2.1</b>   | 0.10                     | 0.26      | 17        | 0.3                      | 1.1       | <b>0.8</b>               | 0.04   | 0.08  | C03-06          |
| Salivary glands              | 13        | 0.2       | 0.7                      | <b>0.8</b>   | 0.04                     | 0.10      | 10        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C07-08          |
| Tonsil                       | 48        | 0.8       | 2.8                      | <b>2.3</b>   | 0.20                     | 0.28      | 5         | 0.1                      | 0.3       | <b>0.3</b>               | 0.03   | 0.03  | C09             |
| Other oropharynx             | 11        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.09      | 5         | 0.1                      | 0.3       | <b>0.3</b>               | 0.00   | 0.05  | C10             |
| Nasopharynx                  | 25        | 0.4       | 1.4                      | <b>1.4</b>   | 0.09                     | 0.16      | 10        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C11             |
| Hypopharynx                  | 12        | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.08      | 3         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 6         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 107       | 1.7       | 6.2                      | <b>6.0</b>   | 0.36                     | 0.82      | 38        | 0.7                      | 2.4       | <b>2.1</b>               | 0.09   | 0.29  | C15             |
| Stomach                      | 115       | 1.8       | 6.6                      | <b>6.3</b>   | 0.29                     | 0.72      | 51        | 0.9                      | 3.2       | <b>2.7</b>               | 0.13   | 0.29  | C16             |
| Small intestine              | 36        | 0.6       | 2.1                      | <b>1.9</b>   | 0.09                     | 0.25      | 20        | 0.4                      | 1.2       | <b>1.1</b>               | 0.06   | 0.12  | C17             |
| Colon                        | 425       | 6.8       | 24.5                     | <b>24.3</b>  | 1.03                     | 2.92      | 394       | 7.1                      | 24.5      | <b>20.8</b>              | 0.93   | 2.41  | C18             |
| Rectum                       | 207       | 3.3       | 11.9                     | <b>11.0</b>  | 0.63                     | 1.33      | 127       | 2.3                      | 7.9       | <b>6.8</b>               | 0.40   | 0.80  | C19-20          |
| Anus                         | 25        | 0.4       | 1.4                      | <b>1.3</b>   | 0.07                     | 0.14      | 40        | 0.7                      | 2.5       | <b>2.0</b>               | 0.16   | 0.23  | C21             |
| Liver                        | 138       | 2.2       | 8.0                      | <b>7.1</b>   | 0.44                     | 0.75      | 57        | 1.0                      | 3.5       | <b>3.2</b>               | 0.16   | 0.36  | C22             |
| Gallbladder etc.             | 40        | 0.6       | 2.3                      | <b>2.3</b>   | 0.09                     | 0.24      | 40        | 0.7                      | 2.5       | <b>1.9</b>               | 0.08   | 0.18  | C23-24          |
| Pancreas                     | 140       | 2.2       | 8.1                      | <b>7.8</b>   | 0.36                     | 0.88      | 117       | 2.1                      | 7.3       | <b>6.3</b>               | 0.29   | 0.81  | C25             |
| Nose, sinuses etc.           | 7         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.06      | 5         | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.05  | C30-31          |
| Larynx                       | 88        | 1.4       | 5.1                      | <b>4.9</b>   | 0.27                     | 0.69      | 12        | 0.2                      | 0.7       | <b>0.7</b>               | 0.06   | 0.08  | C32             |
| Trachea, bronchus and lung   | 926       | 14.8      | 53.4                     | <b>53.6</b>  | 2.21                     | 6.89      | 707       | 12.7                     | 44.0      | <b>39.6</b>              | 1.59   | 5.03  | C33-34          |
| Other thoracic organs        | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 3         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.02  | C37-38          |
| Bone                         | 14        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.05      | 21        | 0.4                      | 1.3       | <b>1.3</b>               | 0.09   | 0.13  | C40-41          |
| Melanoma of skin             | 168       | 2.7       | 9.7                      | <b>8.3</b>   | 0.65                     | 0.85      | 144       | 2.6                      | 9.0       | <b>7.8</b>               | 0.53   | 0.86  | C43             |
| Other skin                   | 25        | 0.4       | 1.4                      | <b>1.4</b>   | 0.07                     | 0.12      | 17        | 0.3                      | 1.1       | <b>1.0</b>               | 0.05   | 0.11  | C44             |
| Mesothelioma                 | 25        | 0.4       | 1.4                      | <b>1.5</b>   | 0.04                     | 0.13      | 6         | 0.1                      | 0.4       | <b>0.4</b>               | 0.01   | 0.05  | C45             |
| Kaposi sarcoma               | 7         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 66        | 1.1       | 3.8                      | <b>3.7</b>   | 0.24                     | 0.35      | 38        | 0.7                      | 2.4       | <b>2.2</b>               | 0.14   | 0.21  | C47+C49         |
| Breast                       | 8         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.09      | 1777      | 32.0                     | 110.6     | <b>92.8</b>              | 6.47   | 10.80 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 30        | 0.5                      | 1.9       | <b>1.6</b>               | 0.11   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 12        | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 123       | 2.2                      | 7.7       | <b>6.4</b>               | 0.52   | 0.58  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 301       | 5.4                      | 18.7      | <b>16.5</b>              | 1.12   | 2.10  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 183       | 3.3                      | 11.4      | <b>9.3</b>               | 0.68   | 1.00  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 13        | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 13        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.10      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1717      | 27.5      | 99.0                     | <b>98.5</b>  | 5.02                     | 13.24     |           |                          |           |                          |        |       | C61             |
| Testis                       | 103       | 1.6       | 5.9                      | <b>5.3</b>   | 0.40                     | 0.40      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 239       | 3.8       | 13.8                     | <b>12.7</b>  | 0.76                     | 1.45      | 143       | 2.6                      | 8.9       | <b>7.6</b>               | 0.45   | 0.91  | C64             |
| Renal pelvis                 | 11        | 0.2       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.08      | 7         | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C65             |
| Ureter                       | 3         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.03      | 6         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.05  | C66             |
| Bladder                      | 393       | 6.3       | 22.7                     | <b>22.7</b>  | 0.94                     | 2.70      | 93        | 1.7                      | 5.8       | <b>5.1</b>               | 0.24   | 0.63  | C67             |
| Other urinary organs         | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.02      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 10        | 0.2       | 0.6                      | <b>0.6</b>   | 0.05                     | 0.05      | 6         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C69             |
| Brain, nervous system        | 88        | 1.4       | 5.1                      | <b>4.7</b>   | 0.30                     | 0.46      | 87        | 1.6                      | 5.4       | <b>4.9</b>               | 0.30   | 0.47  | C70-72          |
| Thyroid                      | 96        | 1.5       | 5.5                      | <b>4.9</b>   | 0.37                     | 0.50      | 269       | 4.8                      | 16.7      | <b>14.2</b>              | 1.12   | 1.34  | C73             |
| Adrenal gland                | 5         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.01      | 5         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 3         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 56        | 0.9       | 3.2                      | <b>3.0</b>   | 0.20                     | 0.27      | 27        | 0.5                      | 1.7       | <b>1.6</b>               | 0.11   | 0.13  | C81             |
| Non-Hodgkin lymphoma         | 277       | 4.4       | 16.0                     | <b>14.9</b>  | 0.86                     | 1.58      | 218       | 3.9                      | 13.6      | <b>11.8</b>              | 0.66   | 1.34  | C82-85,C96      |
| Immunoproliferative diseases | 7         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C88             |
| Multiple myeloma             | 74        | 1.2       | 4.3                      | <b>4.2</b>   | 0.18                     | 0.60      | 52        | 0.9                      | 3.2       | <b>2.7</b>               | 0.15   | 0.28  | C90             |
| Lymphoid leukaemia           | 121       | 1.9       | 7.0                      | <b>7.4</b>   | 0.35                     | 0.77      | 61        | 1.1                      | 3.8       | <b>3.8</b>               | 0.19   | 0.39  | C91             |
| Myeloid leukaemia            | 74        | 1.2       | 4.3                      | <b>4.1</b>   | 0.20                     | 0.37      | 63        | 1.1                      | 3.9       | <b>3.5</b>               | 0.20   | 0.40  | C92-94          |
| Leukaemia unspecified        | 2         | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.00      | 5         | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.04  | C95             |
| Myeloproliferative disorders | 31        | 0.5       | 1.8                      | <b>1.7</b>   | 0.09                     | 0.21      | 27        | 0.5                      | 1.7       | <b>1.4</b>               | 0.09   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 33        | 0.5       | 1.9                      | <b>1.9</b>   | 0.05                     | 0.18      | 33        | 0.6                      | 2.1       | <b>1.9</b>               | 0.05   | 0.23  | MDS             |
| Other and unspecified        | 133       | 2.1       | 7.7                      | <b>7.5</b>   | 0.33                     | 0.87      | 115       | 2.1                      | 7.2       | <b>5.8</b>               | 0.26   | 0.59  | O&U             |
| All sites                    | 6277      |           | 361.9                    | <b>351.9</b> | 17.93                    | 42.75     | 5576      |                          | 347.0     | <b>298.3</b>             | 17.94  | 34.37 | C00-96          |
| All sites except C44         | 6252      | 100.0     | 360.4                    | <b>350.5</b> | 17.86                    | 42.64     | 5559      | 100.0                    | 345.9     | <b>297.3</b>             | 17.89  | 34.26 | C00-96 exc. C44 |

**\*USA, Alaska: American Indian (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 3         | 0.4       | 1.1                      | <b>1.2</b>   | 0.06                     | 0.15      | 4         | 0.4                      | 1.4       | <b>1.5</b>               | 0.12   | 0.21  | C01-02          |
| Mouth                        | 5         | 0.6       | 1.8                      | <b>1.9</b>   | 0.13                     | 0.22      | 5         | 0.5                      | 1.8       | <b>1.6</b>               | 0.11   | 0.11  | C03-06          |
| Salivary glands              | 4         | 0.5       | 1.4                      | <b>1.8</b>   | 0.16                     | 0.28      | 2         | 0.2                      | 0.7       | <b>0.6</b>               | 0.05   | 0.05  | C07-08          |
| Tonsil                       | 6         | 0.7       | 2.1                      | <b>2.7</b>   | 0.26                     | 0.34      | 1         | 0.1                      | 0.4       | <b>0.5</b>               | 0.06   | 0.06  | C09             |
| Other oropharynx             | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03      | 1         | 0.1                      | 0.4       | <b>0.5</b>               | 0.00   | 0.08  | C10             |
| Nasopharynx                  | 13        | 1.5       | 4.6                      | <b>6.0</b>   | 0.34                     | 0.88      | 8         | 0.8                      | 2.9       | <b>2.8</b>               | 0.23   | 0.23  | C11             |
| Hypopharynx                  | 5         | 0.6       | 1.8                      | <b>2.1</b>   | 0.11                     | 0.23      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 14        | 1.7       | 5.0                      | <b>5.9</b>   | 0.34                     | 0.82      | 17        | 1.7                      | 6.1       | <b>5.8</b>               | 0.27   | 0.71  | C15             |
| Stomach                      | 51        | 6.0       | 18.1                     | <b>20.4</b>  | 1.13                     | 2.26      | 26        | 2.6                      | 9.3       | <b>9.3</b>               | 0.53   | 0.95  | C16             |
| Small intestine              | 3         | 0.4       | 1.1                      | <b>1.1</b>   | 0.06                     | 0.18      | 1         | 0.1                      | 0.4       | <b>0.5</b>               | 0.00   | 0.08  | C17             |
| Colon                        | 108       | 12.8      | 38.4                     | <b>45.3</b>  | 2.10                     | 5.50      | 137       | 13.6                     | 49.2      | <b>48.2</b>              | 2.38   | 5.88  | C18             |
| Rectum                       | 49        | 5.8       | 17.4                     | <b>19.6</b>  | 1.50                     | 2.45      | 29        | 2.9                      | 10.4      | <b>10.5</b>              | 0.75   | 1.28  | C19-20          |
| Anus                         | 8         | 0.9       | 2.8                      | <b>3.0</b>   | 0.19                     | 0.39      | 6         | 0.6                      | 2.2       | <b>2.3</b>               | 0.22   | 0.31  | C21             |
| Liver                        | 20        | 2.4       | 7.1                      | <b>7.8</b>   | 0.45                     | 0.71      | 13        | 1.3                      | 4.7       | <b>4.8</b>               | 0.32   | 0.58  | C22             |
| Gallbladder etc.             | 14        | 1.7       | 5.0                      | <b>5.6</b>   | 0.18                     | 0.55      | 11        | 1.1                      | 3.9       | <b>3.8</b>               | 0.11   | 0.45  | C23-24          |
| Pancreas                     | 26        | 3.1       | 9.2                      | <b>10.7</b>  | 0.37                     | 1.38      | 25        | 2.5                      | 9.0       | <b>8.5</b>               | 0.33   | 1.24  | C25             |
| Nose, sinuses etc.           | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.2                      | 0.7       | <b>0.7</b>               | 0.08   | 0.08  | C30-31          |
| Larynx                       | 11        | 1.3       | 3.9                      | <b>4.3</b>   | 0.20                     | 0.61      | 2         | 0.2                      | 0.7       | <b>1.0</b>               | 0.06   | 0.14  | C32             |
| Trachea, bronchus and lung   | 171       | 20.2      | 60.7                     | <b>73.1</b>  | 3.29                     | 9.51      | 140       | 13.9                     | 50.3      | <b>51.7</b>              | 2.32   | 7.16  | C33-34          |
| Other thoracic organs        | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C37-38          |
| Bone                         | 4         | 0.5       | 1.4                      | <b>1.4</b>   | 0.09                     | 0.09      | 2         | 0.2                      | 0.7       | <b>0.8</b>               | 0.03   | 0.12  | C40-41          |
| Melanoma of skin             | 3         | 0.4       | 1.1                      | <b>1.2</b>   | 0.06                     | 0.14      | 6         | 0.6                      | 2.2       | <b>2.0</b>               | 0.18   | 0.18  | C43             |
| Other skin                   | 3         | 0.4       | 1.1                      | <b>1.1</b>   | 0.03                     | 0.15      | 1         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C44             |
| Mesothelioma                 | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 2         | 0.2       | 0.7                      | <b>0.8</b>   | 0.03                     | 0.15      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 8         | 0.9       | 2.8                      | <b>2.7</b>   | 0.22                     | 0.22      | 4         | 0.4                      | 1.4       | <b>1.4</b>               | 0.09   | 0.17  | C47+C49         |
| Breast                       | 1         | 0.1       | 0.4                      | <b>0.5</b>   | 0.00                     | 0.12      | 290       | 28.8                     | 104.1     | <b>105.3</b>             | 7.88   | 12.51 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 5         | 0.5                      | 1.8       | <b>1.7</b>               | 0.16   | 0.16  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 2         | 0.2                      | 0.7       | <b>0.6</b>               | 0.03   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 30        | 3.0                      | 10.8      | <b>10.6</b>              | 0.78   | 0.78  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 33        | 3.3                      | 11.8      | <b>12.3</b>              | 0.90   | 1.50  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 29        | 2.9                      | 10.4      | <b>10.7</b>              | 0.87   | 1.22  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.2                      | 0.7       | <b>1.0</b>               | 0.06   | 0.14  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 2         | 0.2       | 0.7                      | <b>0.8</b>   | 0.00                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 108       | 12.8      | 38.4                     | <b>45.9</b>  | 2.42                     | 5.66      |           |                          |           |                          |        |       | C61             |
| Testis                       | 15        | 1.8       | 5.3                      | <b>5.4</b>   | 0.37                     | 0.37      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 45        | 5.3       | 16.0                     | <b>17.1</b>  | 0.89                     | 1.86      | 31        | 3.1                      | 11.1      | <b>10.7</b>              | 0.78   | 1.14  | C64             |
| Renal pelvis                 | 1         | 0.1       | 0.4                      | <b>0.5</b>   | 0.00                     | 0.08      | 2         | 0.2                      | 0.7       | <b>0.8</b>               | 0.00   | 0.08  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 33        | 3.9       | 11.7                     | <b>14.2</b>  | 0.64                     | 1.66      | 6         | 0.6                      | 2.2       | <b>1.9</b>               | 0.12   | 0.12  | C67             |
| Other urinary organs         | 1         | 0.1       | 0.4                      | <b>0.5</b>   | 0.00                     | 0.12      | 1         | 0.1                      | 0.4       | <b>0.2</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 7         | 0.8       | 2.5                      | <b>2.6</b>   | 0.23                     | 0.23      | 17        | 1.7                      | 6.1       | <b>6.4</b>               | 0.53   | 0.53  | C70-72          |
| Thyroid                      | 13        | 1.5       | 4.6                      | <b>5.0</b>   | 0.30                     | 0.41      | 22        | 2.2                      | 7.9       | <b>7.3</b>               | 0.54   | 0.72  | C73             |
| Adrenal gland                | 1         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.03      | 1         | 0.1                      | 0.4       | <b>0.5</b>               | 0.00   | 0.08  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 4         | 0.5       | 1.4                      | <b>1.4</b>   | 0.11                     | 0.11      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C81             |
| Non-Hodgkin lymphoma         | 25        | 3.0       | 8.9                      | <b>10.3</b>  | 0.65                     | 0.91      | 31        | 3.1                      | 11.1      | <b>11.0</b>              | 0.57   | 1.17  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 8         | 0.9       | 2.8                      | <b>3.4</b>   | 0.20                     | 0.45      | 10        | 1.0                      | 3.6       | <b>3.8</b>               | 0.34   | 0.42  | C90             |
| Lymphoid leukaemia           | 9         | 1.1       | 3.2                      | <b>3.6</b>   | 0.27                     | 0.27      | 7         | 0.7                      | 2.5       | <b>2.8</b>               | 0.13   | 0.21  | C91             |
| Myeloid leukaemia            | 13        | 1.5       | 4.6                      | <b>4.9</b>   | 0.27                     | 0.47      | 9         | 0.9                      | 3.2       | <b>3.3</b>               | 0.11   | 0.38  | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C95             |
| Myeloproliferative disorders | 2         | 0.2       | 0.7                      | <b>0.8</b>   | 0.03                     | 0.15      | 4         | 0.4                      | 1.4       | <b>1.3</b>               | 0.08   | 0.17  | MPD             |
| Myelodysplastic syndromes    | 2         | 0.2       | 0.7                      | <b>0.9</b>   | 0.05                     | 0.13      | 6         | 0.6                      | 2.2       | <b>2.1</b>               | 0.04   | 0.21  | MDS             |
| Other and unspecified        | 23        | 2.7       | 8.2                      | <b>9.5</b>   | 0.48                     | 1.32      | 26        | 2.6                      | 9.3       | <b>8.3</b>               | 0.19   | 0.89  | O&U             |
| All sites                    | 849       |           | 301.5                    | <b>348.9</b> | 18.31                    | 41.72     | 1008      |                          | 361.9     | <b>362.1</b>             | 22.38  | 42.57 | C00-96          |
| All sites except C44         | 846       | 100.0     | 300.4                    | <b>347.8</b> | 18.29                    | 41.57     | 1007      | 100.0                    | 361.6     | <b>361.8</b>             | 22.36  | 42.55 | C00-96 exc. C44 |

\*See note following population pyramid

# USA, Arizona

## REGISTRATION AREA

The Arizona Cancer Registry (ACR) covers the population of the state of Arizona in the USA. In 2005, the state's population was 5.9 million. About 90% of Arizona residents live in urban areas. Within the USA, Arizona has the second highest state concentration of American Indians, who account for 5% of the state's population. Overall, 60% of residents are non-Hispanic White, 29% are Hispanic, and 11% are of other races.

## CANCER CARE FACILITIES

Health care in the region is provided by private practitioners, clinics, and hospitals. Health insurance is used by 81% of the population to pay for health care, and 74% of health insurance is nongovernmental.

## REGISTRY STRUCTURE AND METHODS

The ACR is funded through state legislature appropriations to the Arizona Department of Health Services. Enhancement funds are provided through the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR). The registry has 6.75 full-time equivalent positions. The ACR is a population-based surveillance system that collects, manages, and analyses information on cancer incidence, survival, and mortality. Arizona law mandates the reporting of cancer cases by hospitals, clinics, physicians, and pathology laboratories. The registry conducts data linkage with death certificates to capture unreported cases, and has 21 data exchange agreements with other states. Quality control procedures include computerized and visual editing, case ascertainment reviews, and re-abstracting studies.

## INTERPRETING THE RESULTS

The cancer rate in Arizona is stable, following national trends. Arizona's age-adjusted cancer incidence rates are generally lower than the national rates. The completeness of data coverage is 90–95%. Arizona

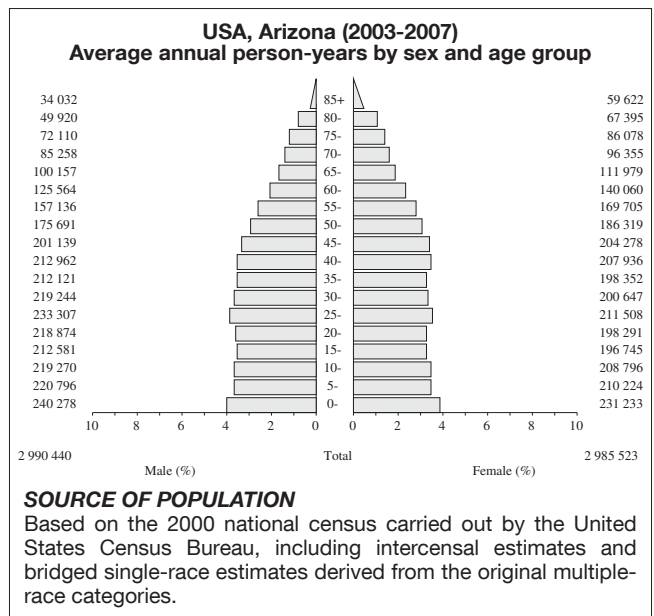
has organized screening programmes for breast, cervical, and colorectal cancers. More than half of all men older than 40 years are screened for prostate cancer using the prostate-specific antigen (PSA) test.

## USE OF THE DATA

The ACR analyses cancer incidence, mortality, and survival among Arizona residents yearly. Registry data are used for epidemiological research, cancer control planning, and addressing community cancer concerns. The registry is also involved in research studies that have been approved by the Arizona Department of Health Services' Human Subjects Review Committee.

## CONTRIBUTORS

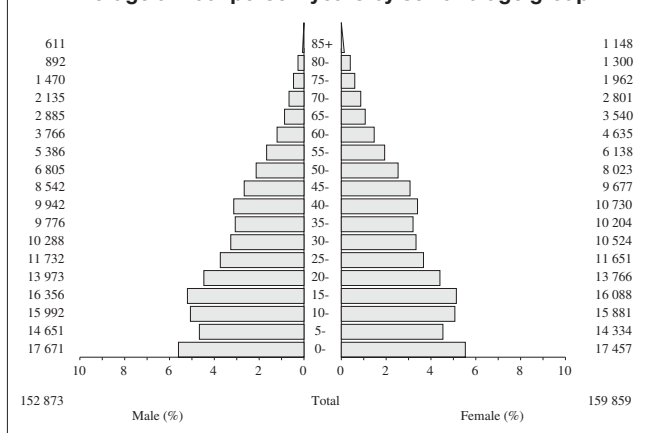
Georgia Armenta Yee  
Richard S. Porter  
Timothy J. Flood



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 89.0  | Breast                     | 74.8  |
| Trachea, bronchus and lung | 41.7  | Trachea, bronchus and lung | 31.6  |
| Bladder                    | 19.3  | Colon                      | 14.9  |
| Colon                      | 18.9  | Thyroid                    | 13.9  |
| Melanoma of skin           | 13.8  | Corpus uteri               | 13.2  |
| Kidney                     | 12.2  | Melanoma of skin           | 9.0   |
| Non-Hodgkin lymphoma       | 12.0  | Non-Hodgkin lymphoma       | 9.0   |
| Rectum                     | 9.2   | Ovary                      | 8.9   |
| Other and unspecified      | 8.2   | Kidney                     | 6.8   |
| Pancreas                   | 7.3   | Other and unspecified      | 6.5   |
| All sites                  | 307.3 | All sites                  | 248.9 |

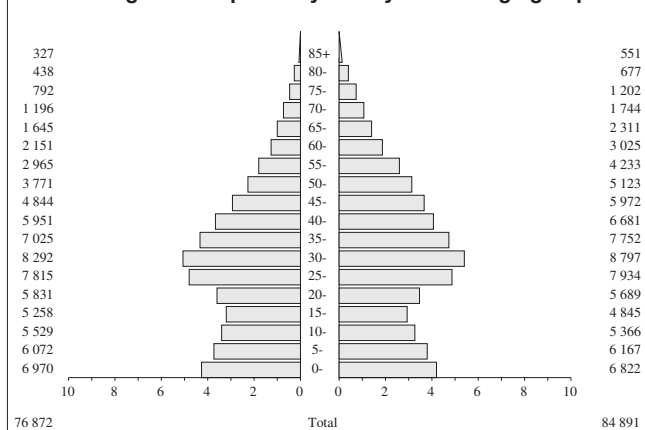
**USA, Arizona: American Indian (2003-2007)**  
Average annual person-years by sex and age group



**USA, ARIZONA: AMERICAN INDIAN**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 44.0  | Breast                     | 41.1  |
| Kidney                     | 21.9  | Corpus uteri               | 14.9  |
| Trachea, bronchus and lung | 12.4  | Colon                      | 10.1  |
| Colon                      | 10.6  | Kidney                     | 9.2   |
| Liver                      | 9.7   | Thyroid                    | 8.7   |
| Stomach                    | 8.6   | Trachea, bronchus and lung | 8.5   |
| Non-Hodgkin lymphoma       | 8.1   | Other and unspecified      | 8.3   |
| Rectum                     | 7.6   | Ovary                      | 7.4   |
| Other and unspecified      | 6.5   | Cervix uteri               | 7.3   |
| Pancreas                   | 5.4   | Non-Hodgkin lymphoma       | 6.9   |
| All sites                  | 187.4 | All sites                  | 168.8 |

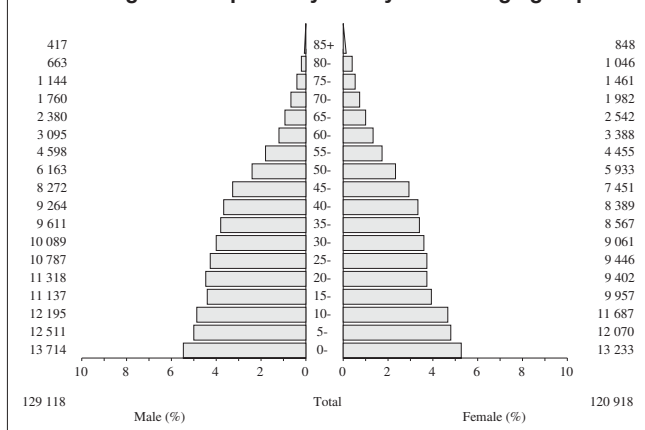
**USA, Arizona: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, ARIZONA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

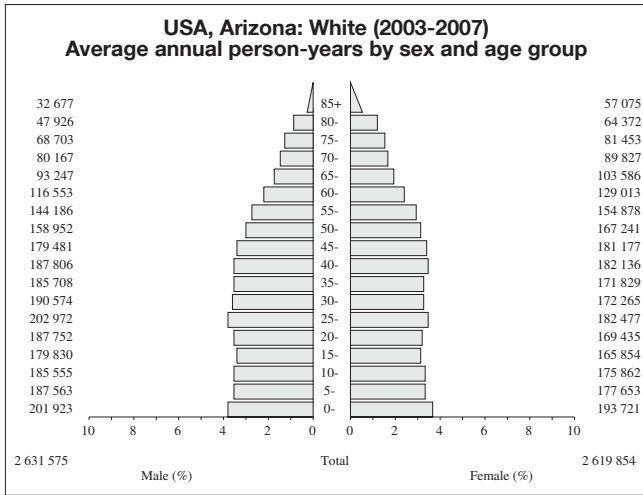
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 38.6  | Breast                     | 41.9  |
| Trachea, bronchus and lung | 20.2  | Trachea, bronchus and lung | 16.3  |
| Colon                      | 14.2  | Thyroid                    | 11.2  |
| Liver                      | 10.5  | Colon                      | 8.1   |
| Rectum                     | 6.1   | Corpus uteri               | 7.0   |
| Brain, nervous system      | 5.2   | Ovary                      | 6.1   |
| Other and unspecified      | 5.1   | Cervix uteri               | 4.5   |
| Non-Hodgkin lymphoma       | 5.1   | Rectum                     | 4.4   |
| Thyroid                    | 5.0   | Stomach                    | 3.7   |
| Kidney                     | 4.9   | Non-Hodgkin lymphoma       | 3.6   |
| All sites                  | 149.4 | All sites                  | 136.7 |

**USA, Arizona: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, ARIZONA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 112.1 | Breast                     | 66.5  |
| Trachea, bronchus and lung | 40.4  | Trachea, bronchus and lung | 35.8  |
| Colon                      | 20.6  | Colon                      | 19.6  |
| Non-Hodgkin lymphoma       | 11.1  | Corpus uteri               | 13.5  |
| Kidney                     | 11.0  | Pancreas                   | 9.1   |
| Stomach                    | 9.7   | Kidney                     | 8.5   |
| Other and unspecified      | 9.1   | Other and unspecified      | 7.9   |
| Liver                      | 8.9   | Thyroid                    | 7.5   |
| Rectum                     | 8.0   | Ovary                      | 6.5   |
| Pancreas                   | 7.8   | Non-Hodgkin lymphoma       | 5.6   |
| All sites                  | 295.6 | All sites                  | 231.2 |



**USA, ARIZONA: WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

|                            | Male  |                            | Female |
|----------------------------|-------|----------------------------|--------|
| Prostate                   | 84.5  | Breast                     | 75.8   |
| Trachea, bronchus and lung | 42.8  | Trachea, bronchus and lung | 32.4   |
| Bladder                    | 20.0  | Colon                      | 14.9   |
| Colon                      | 19.0  | Thyroid                    | 14.3   |
| Melanoma of skin           | 13.9  | Corpus uteri               | 12.9   |
| Non-Hodgkin lymphoma       | 12.0  | Ovary                      | 9.0    |
| Kidney                     | 11.9  | Non-Hodgkin lymphoma       | 9.0    |
| Rectum                     | 9.2   | Melanoma of skin           | 9.0    |
| Other and unspecified      | 8.2   | Kidney                     | 6.7    |
| Pancreas                   | 7.4   | Other and unspecified      | 6.4    |
| All sites                  | 304.7 | All sites                  | 250.7  |

## USA, Arizona (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 106        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       | 32        | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 553        | 0.9       | 3.7                      | <b>2.9</b>   | 0.22                     | 0.36       | 246       | 0.4                      | 1.6       | <b>1.1</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 311        | 0.5       | 2.1                      | <b>1.6</b>   | 0.10                     | 0.21       | 214       | 0.4                      | 1.4       | <b>0.8</b>               | 0.05   | 0.09  | C03-06          |
| Salivary glands              | 216        | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                     | 0.11       | 120       | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C07-08          |
| Tonsil                       | 311        | 0.5       | 2.1                      | <b>1.7</b>   | 0.14                     | 0.20       | 82        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 81         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.06       | 49        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 66         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04       | 40        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 127        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.08       | 30        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 68         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.04       | 21        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1099       | 1.7       | 7.4                      | <b>5.2</b>   | 0.30                     | 0.65       | 264       | 0.5                      | 1.8       | <b>1.0</b>               | 0.05   | 0.12  | C15             |
| Stomach                      | 1029       | 1.6       | 6.9                      | <b>4.7</b>   | 0.25                     | 0.57       | 583       | 1.0                      | 3.9       | <b>2.3</b>               | 0.11   | 0.25  | C16             |
| Small intestine              | 255        | 0.4       | 1.7                      | <b>1.2</b>   | 0.07                     | 0.16       | 201       | 0.3                      | 1.3       | <b>0.8</b>               | 0.05   | 0.10  | C17             |
| Colon                        | 4333       | 6.7       | 29.0                     | <b>18.9</b>  | 0.86                     | 2.24       | 4214      | 7.3                      | 28.2      | <b>14.9</b>              | 0.67   | 1.71  | C18             |
| Rectum                       | 1921       | 3.0       | 12.8                     | <b>9.2</b>   | 0.53                     | 1.17       | 1323      | 2.3                      | 8.9       | <b>5.5</b>               | 0.34   | 0.64  | C19-20          |
| Anus                         | 155        | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                     | 0.08       | 241       | 0.4                      | 1.6       | <b>1.1</b>               | 0.09   | 0.13  | C21             |
| Liver                        | 1278       | 2.0       | 8.5                      | <b>6.4</b>   | 0.45                     | 0.77       | 511       | 0.9                      | 3.4       | <b>2.1</b>               | 0.11   | 0.25  | C22             |
| Gallbladder etc.             | 353        | 0.5       | 2.4                      | <b>1.5</b>   | 0.07                     | 0.17       | 420       | 0.7                      | 2.8       | <b>1.5</b>               | 0.08   | 0.18  | C23-24          |
| Pancreas                     | 1613       | 2.5       | 10.8                     | <b>7.3</b>   | 0.37                     | 0.89       | 1456      | 2.5                      | 9.8       | <b>5.2</b>               | 0.24   | 0.61  | C25             |
| Nose, sinuses etc.           | 104        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       | 67        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 675        | 1.0       | 4.5                      | <b>3.3</b>   | 0.18                     | 0.42       | 160       | 0.3                      | 1.1       | <b>0.7</b>               | 0.04   | 0.10  | C32             |
| Trachea, bronchus and lung   | 9326       | 14.4      | 62.4                     | <b>41.7</b>  | 1.84                     | 5.35       | 8178      | 14.2                     | 54.8      | <b>31.6</b>              | 1.47   | 4.11  | C33-34          |
| Other thoracic organs        | 52         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03       | 38        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 172        | 0.3       | 1.2                      | <b>1.0</b>   | 0.06                     | 0.09       | 139       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 2884       | 4.5       | 19.3                     | <b>13.8</b>  | 0.80                     | 1.59       | 1849      | 3.2                      | 12.4      | <b>9.0</b>               | 0.62   | 0.94  | C43             |
| Other skin                   | 208        | 0.3       | 1.4                      | <b>0.9</b>   | 0.04                     | 0.09       | 160       | 0.3                      | 1.1       | <b>0.7</b>               | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 238        | 0.4       | 1.6                      | <b>1.0</b>   | 0.03                     | 0.12       | 68        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 74         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03       | 7         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 456        | 0.7       | 3.0                      | <b>2.3</b>   | 0.13                     | 0.23       | 412       | 0.7                      | 2.8       | <b>2.0</b>               | 0.12   | 0.19  | C47+C49         |
| Breast                       | 228        | 0.4       | 1.5                      | <b>1.1</b>   | 0.07                     | 0.13       | 16443     | 28.6                     | 110.2     | <b>74.8</b>              | 5.21   | 8.78  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 287       | 0.5                      | 1.9       | <b>1.2</b>               | 0.07   | 0.13  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 81        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 1056      | 1.8                      | 7.1       | <b>5.8</b>               | 0.47   | 0.55  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 2846      | 5.0                      | 19.1      | <b>13.2</b>              | 0.96   | 1.58  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 127       | 0.2                      | 0.9       | <b>0.5</b>               | 0.04   | 0.06  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 2022      | 3.5                      | 13.5      | <b>8.9</b>               | 0.58   | 1.04  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 101       | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 6         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 106        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 18225      | 28.2      | 121.9                    | <b>89.0</b>  | 4.66                     | 12.40      |           |                          |           |                          |        |       | C61             |
| Testis                       | 766        | 1.2       | 5.1                      | <b>4.7</b>   | 0.35                     | 0.37       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 27         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2435       | 3.8       | 16.3                     | <b>12.2</b>  | 0.80                     | 1.46       | 1538      | 2.7                      | 10.3      | <b>6.8</b>               | 0.41   | 0.80  | C64             |
| Renal pelvis                 | 115        | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06       | 92        | 0.2                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 99         | 0.2       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.04       | 69        | 0.1                      | 0.5       | <b>0.2</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 4585       | 7.1       | 30.7                     | <b>19.3</b>  | 0.78                     | 2.30       | 1429      | 2.5                      | 9.6       | <b>5.1</b>               | 0.24   | 0.64  | C67             |
| Other urinary organs         | 45         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 15        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 123        | 0.2       | 0.8                      | <b>0.7</b>   | 0.04                     | 0.06       | 113       | 0.2                      | 0.8       | <b>0.6</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 1080       | 1.7       | 7.2                      | <b>6.1</b>   | 0.38                     | 0.60       | 897       | 1.6                      | 6.0       | <b>4.9</b>               | 0.31   | 0.44  | C70-72          |
| Thyroid                      | 813        | 1.3       | 5.4                      | <b>4.4</b>   | 0.33                     | 0.48       | 2499      | 4.3                      | 16.7      | <b>13.9</b>              | 1.09   | 1.35  | C73             |
| Adrenal gland                | 37         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 38        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 31         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 9         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 313        | 0.5       | 2.1                      | <b>1.8</b>   | 0.13                     | 0.16       | 272       | 0.5                      | 1.8       | <b>1.7</b>               | 0.11   | 0.14  | C81             |
| Non-Hodgkin lymphoma         | 2572       | 4.0       | 17.2                     | <b>12.0</b>  | 0.62                     | 1.38       | 2182      | 3.8                      | 14.6      | <b>9.0</b>               | 0.51   | 1.02  | C82-85,C96      |
| Immunoproliferative diseases | 33         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02       | 27        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 735        | 1.1       | 4.9                      | <b>3.4</b>   | 0.18                     | 0.42       | 594       | 1.0                      | 4.0       | <b>2.3</b>               | 0.12   | 0.28  | C90             |
| Lymphoid leukaemia           | 832        | 1.3       | 5.6                      | <b>4.6</b>   | 0.23                     | 0.41       | 551       | 1.0                      | 3.7       | <b>2.8</b>               | 0.14   | 0.23  | C91             |
| Myeloid leukaemia            | 743        | 1.1       | 5.0                      | <b>3.6</b>   | 0.18                     | 0.39       | 614       | 1.1                      | 4.1       | <b>2.8</b>               | 0.16   | 0.26  | C92-94          |
| Leukaemia unspecified        | 111        | 0.2       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.03       | 82        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 301        | 0.5       | 2.0                      | <b>1.4</b>   | 0.08                     | 0.16       | 262       | 0.5                      | 1.8       | <b>1.0</b>               | 0.05   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 590        | 0.9       | 3.9                      | <b>2.2</b>   | 0.05                     | 0.23       | 442       | 0.8                      | 3.0       | <b>1.4</b>               | 0.05   | 0.15  | MDS             |
| Other and unspecified        | 1848       | 2.9       | 12.4                     | <b>8.2</b>   | 0.42                     | 0.97       | 1827      | 3.2                      | 12.2      | <b>6.5</b>               | 0.31   | 0.73  | O&U             |
| All sites                    | 64857      |           | 433.8                    | <b>307.3</b> | 16.17                    | 38.08      | 57646     |                          | 386.2     | <b>248.9</b>             | 15.34  | 28.49 | C00-96          |
| All sites except C44         | 64649      | 100.0     | 432.4                    | <b>306.4</b> | 16.13                    | 37.99      | 57486     | 100.0                    | 385.1     | <b>248.2</b>             | 15.30  | 28.43 | C00-96 exc. C44 |

§Includes 19 cases of unknown age

§Includes 25 cases of unknown age

## USA, Arizona: American Indian (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 5          | 0.4       | 0.7                      | <b>0.9</b>   | 0.07                     | 0.11      | 3         | 0.2                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C01-02          |
| Mouth                        | 2          | 0.2       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.06      | 5         | 0.4                      | 0.6       | <b>0.6</b>               | 0.03   | 0.06  | C03-06          |
| Salivary glands              | 3          | 0.3       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.02      | 8         | 0.6                      | 1.0       | <b>1.1</b>               | 0.10   | 0.13  | C07-08          |
| Tonsil                       | 2          | 0.2       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.05      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.02   | 0.02  | C09             |
| Other oropharynx             | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 4          | 0.3       | 0.5                      | <b>0.7</b>   | 0.07                     | 0.07      | 2         | 0.2                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 5          | 0.4       | 0.7                      | <b>0.9</b>   | 0.09                     | 0.09      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.02   | 0.02  | C12-13          |
| Pharynx unspecified          | 5          | 0.4       | 0.7                      | <b>0.9</b>   | 0.07                     | 0.11      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 24         | 2.0       | 3.1                      | <b>3.9</b>   | 0.18                     | 0.52      | 4         | 0.3                      | 0.5       | <b>0.5</b>               | 0.02   | 0.09  | C15             |
| Stomach                      | 52         | 4.4       | 6.8                      | <b>8.6</b>   | 0.51                     | 1.00      | 37        | 2.8                      | 4.6       | <b>4.5</b>               | 0.23   | 0.46  | C16             |
| Small intestine              | 6          | 0.5       | 0.8                      | <b>0.9</b>   | 0.06                     | 0.09      | 4         | 0.3                      | 0.5       | <b>0.4</b>               | 0.04   | 0.04  | C17             |
| Colon                        | 70         | 5.9       | 9.2                      | <b>10.6</b>  | 0.64                     | 1.01      | 79        | 6.1                      | 9.9       | <b>10.1</b>              | 0.64   | 1.19  | C18             |
| Rectum                       | 48         | 4.1       | 6.3                      | <b>7.6</b>   | 0.55                     | 0.86      | 34        | 2.6                      | 4.3       | <b>4.3</b>               | 0.29   | 0.44  | C19-20          |
| Anus                         | 2          | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C21             |
| Liver                        | 62         | 5.2       | 8.1                      | <b>9.7</b>   | 0.66                     | 1.04      | 30        | 2.3                      | 3.8       | <b>3.8</b>               | 0.21   | 0.36  | C22             |
| Gallbladder etc.             | 15         | 1.3       | 2.0                      | <b>2.4</b>   | 0.09                     | 0.29      | 41        | 3.1                      | 5.1       | <b>5.1</b>               | 0.19   | 0.62  | C23-24          |
| Pancreas                     | 33         | 2.8       | 4.3                      | <b>5.4</b>   | 0.30                     | 0.55      | 30        | 2.3                      | 3.8       | <b>3.8</b>               | 0.15   | 0.44  | C25             |
| Nose, sinuses etc.           | 3          | 0.3       | 0.4                      | <b>0.5</b>   | 0.06                     | 0.06      | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.03   | 0.03  | C30-31          |
| Larynx                       | 6          | 0.5       | 0.8                      | <b>1.0</b>   | 0.07                     | 0.11      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C32             |
| Trachea, bronchus and lung   | 76         | 6.4       | 9.9                      | <b>12.4</b>  | 0.57                     | 1.55      | 63        | 4.8                      | 7.9       | <b>8.5</b>               | 0.35   | 1.02  | C33-34          |
| Other thoracic organs        | 1          | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 7          | 0.6       | 0.9                      | <b>1.0</b>   | 0.06                     | 0.11      | 4         | 0.3                      | 0.5       | <b>0.5</b>               | 0.03   | 0.03  | C40-41          |
| Melanoma of skin             | 17         | 1.4       | 2.2                      | <b>2.5</b>   | 0.14                     | 0.26      | 14        | 1.1                      | 1.8       | <b>1.7</b>               | 0.10   | 0.20  | C43             |
| Other skin                   | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 6         | 0.5                      | 0.8       | <b>0.8</b>               | 0.04   | 0.10  | C44             |
| Mesothelioma                 | 3          | 0.3       | 0.4                      | <b>0.6</b>   | 0.03                     | 0.06      | 4         | 0.3                      | 0.5       | <b>0.5</b>               | 0.03   | 0.10  | C45             |
| Kaposi sarcoma               | 2          | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 20         | 1.7       | 2.6                      | <b>2.5</b>   | 0.18                     | 0.18      | 9         | 0.7                      | 1.1       | <b>1.1</b>               | 0.06   | 0.12  | C47+C49         |
| Breast                       | 2          | 0.2       | 0.3                      | <b>0.3</b>   | 0.04                     | 0.04      | 312       | 24.0                     | 39.0      | <b>41.1</b>              | 3.04   | 4.95  | C50             |
| Vulva                        |            |           |                          |              |                          |           | 6         | 0.5                      | 0.8       | <b>0.8</b>               | 0.07   | 0.10  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.02   | 0.02  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 58        | 4.5                      | 7.3       | <b>7.3</b>               | 0.62   | 0.68  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 115       | 8.8                      | 14.4      | <b>14.9</b>              | 1.04   | 1.70  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 6         | 0.5                      | 0.8       | <b>0.9</b>               | 0.05   | 0.12  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 58        | 4.5                      | 7.3       | <b>7.4</b>               | 0.52   | 0.84  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 3         | 0.2                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C58             |
| Penis                        | 6          | 0.5       | 0.8                      | <b>0.8</b>   | 0.04                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 255        | 21.6      | 33.4                     | <b>44.0</b>  | 1.85                     | 5.92      |           |                          |           |                          |        |       | C61             |
| Testis                       | 37         | 3.1       | 4.8                      | <b>4.6</b>   | 0.33                     | 0.33      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1          | 0.1       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.05      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 137        | 11.6      | 17.9                     | <b>21.9</b>  | 1.38                     | 2.46      | 70        | 5.4                      | 8.8       | <b>9.2</b>               | 0.70   | 1.14  | C64             |
| Renal pelvis                 | 1          | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 2         | 0.2                      | 0.3       | <b>0.2</b>               | 0.00   | 0.04  | C65             |
| Ureter                       | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.03  | C66             |
| Bladder                      | 24         | 2.0       | 3.1                      | <b>3.9</b>   | 0.23                     | 0.49      | 5         | 0.4                      | 0.6       | <b>0.6</b>               | 0.02   | 0.09  | C67             |
| Other urinary organs         | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 4          | 0.3       | 0.5                      | <b>0.7</b>   | 0.04                     | 0.09      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 28         | 2.4       | 3.7                      | <b>3.9</b>   | 0.24                     | 0.35      | 21        | 1.6                      | 2.6       | <b>2.6</b>               | 0.13   | 0.26  | C70-72          |
| Thyroid                      | 16         | 1.4       | 2.1                      | <b>2.4</b>   | 0.16                     | 0.27      | 69        | 5.3                      | 8.6       | <b>8.7</b>               | 0.72   | 0.85  | C73             |
| Adrenal gland                | 1          | 0.1       | 0.1                      | <b>0.1</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 2          | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 2         | 0.2                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 4          | 0.3       | 0.5                      | <b>0.6</b>   | 0.07                     | 0.07      | 4         | 0.3                      | 0.5       | <b>0.6</b>               | 0.02   | 0.05  | C81             |
| Non-Hodgkin lymphoma         | 52         | 4.4       | 6.8                      | <b>8.1</b>   | 0.48                     | 0.95      | 53        | 4.1                      | 6.6       | <b>6.9</b>               | 0.41   | 0.84  | C82-85,C96      |
| Immunoproliferative diseases | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 29         | 2.5       | 3.8                      | <b>4.8</b>   | 0.30                     | 0.58      | 31        | 2.4                      | 3.9       | <b>4.1</b>               | 0.21   | 0.50  | C90             |
| Lymphoid leukaemia           | 27         | 2.3       | 3.5                      | <b>3.7</b>   | 0.22                     | 0.27      | 10        | 0.8                      | 1.3       | <b>1.3</b>               | 0.06   | 0.09  | C91             |
| Myeloid leukaemia            | 21         | 1.8       | 2.7                      | <b>2.8</b>   | 0.19                     | 0.19      | 15        | 1.2                      | 1.9       | <b>1.9</b>               | 0.13   | 0.19  | C92-94          |
| Leukaemia unspecified        | 2          | 0.2       | 0.3                      | <b>0.3</b>   | 0.03                     | 0.03      | 4         | 0.3                      | 0.5       | <b>0.5</b>               | 0.03   | 0.03  | C95             |
| Myeloproliferative disorders | 10         | 0.8       | 1.3                      | <b>1.6</b>   | 0.13                     | 0.16      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.02   | 0.02  | MPD             |
| Myelodysplastic syndromes    | 8          | 0.7       | 1.0                      | <b>1.3</b>   | 0.01                     | 0.10      | 8         | 0.6                      | 1.0       | <b>0.9</b>               | 0.01   | 0.11  | MDS             |
| Other and unspecified        | 42         | 3.6       | 5.5                      | <b>6.5</b>   | 0.42                     | 0.57      | 65        | 5.0                      | 8.1       | <b>8.3</b>               | 0.47   | 0.91  | O&U             |
| All sites                    | 1182       |           | 154.6                    | <b>187.4</b> | 10.69                    | 21.23     | 1308      |                          | 163.6     | <b>168.8</b>             | 11.06  | 19.24 | C00-96          |
| All sites except C44         | 1182       | 100.0     | 154.6                    | <b>187.4</b> | 10.69                    | 21.23     | 1302      | 100.0                    | 162.9     | <b>168.0</b>             | 11.02  | 19.14 | C00-96 exc. C44 |

§Includes 1 case of unknown age

## USA, Arizona: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 4         | 0.8       | 1.0                      | <b>1.0</b>   | 0.03                | 0.17                | 4          | 0.6       | 0.9                      | <b>0.8</b>   | 0.04                | 0.08                | C01-02          |
| Mouth                        | 7         | 1.4       | 1.8                      | <b>2.0</b>   | 0.17                | 0.23                | 3          | 0.4       | 0.7                      | <b>0.5</b>   | 0.04                | 0.04                | C03-06          |
| Salivary glands              | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 2          | 0.3       | 0.5                      | <b>0.5</b>   | 0.00                | 0.09                | C07-08          |
| Tonsil                       | 2         | 0.4       | 0.5                      | <b>0.3</b>   | 0.03                | 0.03                | 1          | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 4         | 0.8       | 1.0                      | <b>1.0</b>   | 0.05                | 0.11                | 3          | 0.4       | 0.7                      | <b>0.7</b>   | 0.05                | 0.09                | C11             |
| Hypopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 7         | 1.4       | 1.8                      | <b>2.0</b>   | 0.08                | 0.31                | 2          | 0.3       | 0.5                      | <b>0.5</b>   | 0.03                | 0.09                | C15             |
| Stomach                      | 13        | 2.6       | 3.4                      | <b>3.5</b>   | 0.19                | 0.36                | 17         | 2.5       | 4.0                      | <b>3.7</b>   | 0.12                | 0.55                | C16             |
| Small intestine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C17             |
| Colon                        | 49        | 9.7       | 12.7                     | <b>14.2</b>  | 0.53                | 1.54                | 40         | 6.0       | 9.4                      | <b>8.1</b>   | 0.40                | 0.89                | C18             |
| Rectum                       | 22        | 4.3       | 5.7                      | <b>6.1</b>   | 0.30                | 0.65                | 22         | 3.3       | 5.2                      | <b>4.4</b>   | 0.29                | 0.49                | C19-20          |
| Anus                         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 3          | 0.4       | 0.7                      | <b>0.6</b>   | 0.05                | 0.05                | C21             |
| Liver                        | 35        | 6.9       | 9.1                      | <b>10.5</b>  | 0.57                | 1.29                | 15         | 2.2       | 3.5                      | <b>3.1</b>   | 0.09                | 0.34                | C22             |
| Gallbladder etc.             | 8         | 1.6       | 2.1                      | <b>2.3</b>   | 0.13                | 0.25                | 6          | 0.9       | 1.4                      | <b>1.3</b>   | 0.11                | 0.17                | C23-24          |
| Pancreas                     | 13        | 2.6       | 3.4                      | <b>3.8</b>   | 0.15                | 0.42                | 11         | 1.6       | 2.6                      | <b>2.3</b>   | 0.10                | 0.31                | C25             |
| Nose, sinuses etc.           | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C30-31          |
| Larynx                       | 4         | 0.8       | 1.0                      | <b>1.3</b>   | 0.05                | 0.11                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C32             |
| Trachea, bronchus and lung   | 71        | 14.0      | 18.5                     | <b>20.2</b>  | 0.96                | 2.54                | 77         | 11.5      | 18.1                     | <b>16.3</b>  | 0.75                | 2.07                | C33-34          |
| Other thoracic organs        | 2         | 0.4       | 0.5                      | <b>0.6</b>   | 0.06                | 0.06                | 2          | 0.3       | 0.5                      | <b>0.4</b>   | 0.03                | 0.03                | C37-38          |
| Bone                         | 2         | 0.4       | 0.5                      | <b>0.5</b>   | 0.05                | 0.05                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C40-41          |
| Melanoma of skin             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 2          | 0.3       | 0.5                      | <b>0.4</b>   | 0.02                | 0.07                | C43             |
| Other skin                   | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 2          | 0.3       | 0.5                      | <b>0.3</b>   | 0.02                | 0.02                | C44             |
| Mesothelioma                 | 2         | 0.4       | 0.5                      | <b>0.6</b>   | 0.03                | 0.09                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C45             |
| Kaposi sarcoma               | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 2         | 0.4       | 0.5                      | <b>0.4</b>   | 0.01                | 0.01                | 4          | 0.6       | 0.9                      | <b>1.0</b>   | 0.08                | 0.08                | C47+C49         |
| Breast                       | 2         | 0.4       | 0.5                      | <b>0.6</b>   | 0.01                | 0.01                | 209        | 31.2      | 49.2                     | <b>41.9</b>  | 3.20                | 4.67                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 1          | 0.1       | 0.2                      | <b>0.3</b>   | 0.03                | 0.03                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 1          | 0.1       | 0.2                      | <b>0.3</b>   | 0.00                | 0.04                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 25         | 3.7       | 5.9                      | <b>4.5</b>   | 0.33                | 0.51                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 35         | 5.2       | 8.2                      | <b>7.0</b>   | 0.58                | 0.74                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 29         | 4.3       | 6.8                      | <b>6.1</b>   | 0.28                | 0.80                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 3          | 0.4       | 0.7                      | <b>0.6</b>   | 0.05                | 0.09                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                | 0.08                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 120       | 23.7      | 31.2                     | <b>38.6</b>  | 1.52                | 5.47                |            |           |                          |              |                     |                     | C61             |
| Testis                       | 2         | 0.4       | 0.5                      | <b>0.5</b>   | 0.03                | 0.03                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 16        | 3.2       | 4.2                      | <b>4.9</b>   | 0.26                | 0.59                | 11         | 1.6       | 2.6                      | <b>2.2</b>   | 0.17                | 0.22                | C64             |
| Renal pelvis                 | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                | 0.00                | 3          | 0.4       | 0.7                      | <b>0.5</b>   | 0.00                | 0.06                | C65             |
| Ureter                       | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                | 0.08                | 1          | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                | 0.00                | C66             |
| Bladder                      | 12        | 2.4       | 3.1                      | <b>3.2</b>   | 0.00                | 0.25                | 11         | 1.6       | 2.6                      | <b>2.1</b>   | 0.06                | 0.23                | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C69             |
| Brain, nervous system        | 17        | 3.4       | 4.4                      | <b>5.2</b>   | 0.31                | 0.51                | 6          | 0.9       | 1.4                      | <b>1.4</b>   | 0.09                | 0.09                | C70-72          |
| Thyroid                      | 18        | 3.6       | 4.7                      | <b>5.0</b>   | 0.29                | 0.49                | 57         | 8.5       | 13.4                     | <b>11.2</b>  | 0.86                | 1.17                | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1          | 0.1       | 0.2                      | <b>0.3</b>   | 0.00                | 0.04                | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 2         | 0.4       | 0.5                      | <b>0.5</b>   | 0.06                | 0.06                | 2          | 0.3       | 0.5                      | <b>0.6</b>   | 0.03                | 0.03                | C81             |
| Non-Hodgkin lymphoma         | 17        | 3.4       | 4.4                      | <b>5.1</b>   | 0.23                | 0.67                | 17         | 2.5       | 4.0                      | <b>3.6</b>   | 0.29                | 0.44                | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C88             |
| Multiple myeloma             | 9         | 1.8       | 2.3                      | <b>2.9</b>   | 0.12                | 0.43                | 5          | 0.7       | 1.2                      | <b>1.0</b>   | 0.05                | 0.09                | C90             |
| Lymphoid leukaemia           | 7         | 1.4       | 1.8                      | <b>2.3</b>   | 0.12                | 0.12                | 4          | 0.6       | 0.9                      | <b>1.2</b>   | 0.05                | 0.09                | C91             |
| Myeloid leukaemia            | 7         | 1.4       | 1.8                      | <b>2.0</b>   | 0.07                | 0.25                | 8          | 1.2       | 1.9                      | <b>1.6</b>   | 0.12                | 0.16                | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1          | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                | 0.00                | C95             |
| Myeloproliferative disorders | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 3          | 0.4       | 0.7                      | <b>0.6</b>   | 0.03                | 0.07                | MPD             |
| Myelodysplastic syndromes    | 4         | 0.8       | 1.0                      | <b>1.1</b>   | 0.00                | 0.08                | 5          | 0.7       | 1.2                      | <b>1.0</b>   | 0.04                | 0.16                | MDS             |
| Other and unspecified        | 20        | 4.0       | 5.2                      | <b>5.1</b>   | 0.36                | 0.44                | 17         | 2.5       | 4.0                      | <b>3.4</b>   | 0.20                | 0.34                | O&U             |
| All sites                    | 506       |           | 131.6                    | <b>149.4</b> | 6.82                | 17.87               | 671        |           | 158.1                    | <b>136.7</b> | 8.72                | 15.55               | C00-96          |
| All sites except C44         | 506       | 100.0     | 131.6                    | <b>149.4</b> | 6.82                | 17.87               | 669        | 100.0     | 157.6                    | <b>136.3</b> | 8.70                | 15.53               | C00-96 exc. C44 |

§Includes 1 case of unknown age



## USA, Arizona: Black (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1          | 0.1       | 0.2                      | <b>0.3</b>   | 0.03                     | 0.03       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 8          | 0.5       | 1.2                      | <b>1.7</b>   | 0.14                     | 0.24       | 3         | 0.2                      | 0.5       | <b>0.4</b>               | 0.03   | 0.03  | C01-02          |
| Mouth                        | 5          | 0.3       | 0.8                      | <b>0.9</b>   | 0.07                     | 0.11       | 4         | 0.3                      | 0.7       | <b>0.7</b>               | 0.07   | 0.07  | C03-06          |
| Salivary glands              | 4          | 0.3       | 0.6                      | <b>0.9</b>   | 0.03                     | 0.07       | 4         | 0.3                      | 0.7       | <b>0.7</b>               | 0.03   | 0.08  | C07-08          |
| Tonsil                       | 5          | 0.3       | 0.8                      | <b>0.9</b>   | 0.06                     | 0.10       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C09             |
| Other oropharynx             | 1          | 0.1       | 0.2                      | <b>0.3</b>   | 0.03                     | 0.03       | 3         | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.04  | C10             |
| Nasopharynx                  | 5          | 0.3       | 0.8                      | <b>0.9</b>   | 0.07                     | 0.07       | 2         | 0.2                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 6          | 0.4       | 0.9                      | <b>1.3</b>   | 0.13                     | 0.17       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 3          | 0.2       | 0.5                      | <b>0.7</b>   | 0.02                     | 0.10       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 18         | 1.2       | 2.8                      | <b>3.5</b>   | 0.21                     | 0.39       | 6         | 0.5                      | 1.0       | <b>1.1</b>               | 0.09   | 0.14  | C15             |
| Stomach                      | 47         | 3.2       | 7.3                      | <b>9.7</b>   | 0.39                     | 1.30       | 20        | 1.5                      | 3.3       | <b>3.5</b>               | 0.19   | 0.40  | C16             |
| Small intestine              | 8          | 0.5       | 1.2                      | <b>1.8</b>   | 0.11                     | 0.27       | 10        | 0.8                      | 1.7       | <b>1.8</b>               | 0.12   | 0.22  | C17             |
| Colon                        | 108        | 7.3       | 16.7                     | <b>20.6</b>  | 1.07                     | 2.60       | 113       | 8.6                      | 18.7      | <b>19.6</b>              | 1.12   | 2.33  | C18             |
| Rectum                       | 40         | 2.7       | 6.2                      | <b>8.0</b>   | 0.58                     | 0.97       | 28        | 2.1                      | 4.6       | <b>4.7</b>               | 0.33   | 0.52  | C19-20          |
| Anus                         | 12         | 0.8       | 1.9                      | <b>2.0</b>   | 0.15                     | 0.25       | 6         | 0.5                      | 1.0       | <b>1.0</b>               | 0.10   | 0.10  | C21             |
| Liver                        | 50         | 3.4       | 7.7                      | <b>8.9</b>   | 0.72                     | 1.08       | 12        | 0.9                      | 2.0       | <b>2.2</b>               | 0.12   | 0.30  | C22             |
| Gallbladder etc.             | 7          | 0.5       | 1.1                      | <b>1.4</b>   | 0.04                     | 0.09       | 4         | 0.3                      | 0.7       | <b>0.7</b>               | 0.05   | 0.09  | C23-24          |
| Pancreas                     | 40         | 2.7       | 6.2                      | <b>7.8</b>   | 0.40                     | 1.11       | 51        | 3.9                      | 8.4       | <b>9.1</b>               | 0.55   | 1.11  | C25             |
| Nose, sinuses etc.           | 4          | 0.3       | 0.6                      | <b>0.9</b>   | 0.03                     | 0.15       | 2         | 0.2                      | 0.3       | <b>0.4</b>               | 0.04   | 0.04  | C30-31          |
| Larynx                       | 14         | 0.9       | 2.2                      | <b>2.7</b>   | 0.13                     | 0.27       | 7         | 0.5                      | 1.2       | <b>1.5</b>               | 0.04   | 0.20  | C32             |
| Trachea, bronchus and lung   | 198        | 13.4      | 30.7                     | <b>40.4</b>  | 1.81                     | 5.02       | 195       | 14.8                     | 32.3      | <b>35.8</b>              | 1.90   | 4.69  | C33-34          |
| Other thoracic organs        | 1          | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.00       | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 2          | 0.1       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.05       | 4         | 0.3                      | 0.7       | <b>0.7</b>               | 0.02   | 0.10  | C40-41          |
| Melanoma of skin             | 4          | 0.3       | 0.6                      | <b>0.8</b>   | 0.02                     | 0.08       | 3         | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.04  | C43             |
| Other skin                   | 2          | 0.3       | 0.3                      | <b>0.3</b>   | 0.03                     | 0.03       | 2         | 0.3                      | 0.3       | <b>0.3</b>               | 0.03   | 0.03  | C44             |
| Mesothelioma                 | 4          | 0.3       | 0.6                      | <b>0.9</b>   | 0.00                     | 0.17       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 3          | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.02       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 10         | 0.7       | 1.5                      | <b>1.5</b>   | 0.11                     | 0.11       | 15        | 1.1                      | 2.5       | <b>2.6</b>               | 0.16   | 0.25  | C47+C49         |
| Breast                       | 4          | 0.3       | 0.6                      | <b>0.7</b>   | 0.05                     | 0.05       | 381       | 29.0                     | 63.0      | <b>66.5</b>              | 4.66   | 7.58  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 3         | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.04  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 20        | 1.5                      | 3.3       | <b>3.3</b>               | 0.19   | 0.36  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 74        | 5.6                      | 12.2      | <b>13.5</b>              | 0.84   | 1.59  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 6         | 0.5                      | 1.0       | <b>1.1</b>               | 0.05   | 0.14  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 37        | 2.8                      | 6.1       | <b>6.5</b>               | 0.54   | 0.67  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 4          | 0.3       | 0.6                      | <b>0.9</b>   | 0.03                     | 0.07       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 539        | 36.4      | 83.5                     | <b>112.1</b> | 6.73                     | 15.38      |           |                          |           |                          |        |       | C61             |
| Testis                       | 5          | 0.3       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.05       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 60         | 4.1       | 9.3                      | <b>11.0</b>  | 0.73                     | 1.34       | 48        | 3.7                      | 7.9       | <b>8.5</b>               | 0.47   | 1.04  | C64             |
| Renal pelvis                 | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.05  | C65             |
| Ureter                       | 1          | 0.1       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.04       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 39         | 2.6       | 6.0                      | <b>7.5</b>   | 0.26                     | 0.76       | 26        | 2.0                      | 4.3       | <b>4.8</b>               | 0.30   | 0.63  | C67             |
| Other urinary organs         | 1          | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02       | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 3          | 0.2       | 0.5                      | <b>0.6</b>   | 0.05                     | 0.05       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 9          | 0.6       | 1.4                      | <b>1.7</b>   | 0.15                     | 0.19       | 19        | 1.4                      | 3.1       | <b>3.2</b>               | 0.19   | 0.23  | C70-72          |
| Thyroid                      | 6          | 0.4       | 0.9                      | <b>1.0</b>   | 0.07                     | 0.11       | 44        | 3.3                      | 7.3       | <b>7.5</b>               | 0.63   | 0.88  | C73             |
| Adrenal gland                | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 1          | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 11         | 0.7       | 1.7                      | <b>1.6</b>   | 0.13                     | 0.13       | 13        | 1.0                      | 2.2       | <b>2.1</b>               | 0.18   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 57         | 3.9       | 8.8                      | <b>11.1</b>  | 0.74                     | 1.36       | 34        | 2.6                      | 5.6       | <b>5.6</b>               | 0.30   | 0.63  | C82-85,C96      |
| Immunoproliferative diseases | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 36         | 2.4       | 5.6                      | <b>7.6</b>   | 0.47                     | 0.85       | 27        | 2.1                      | 4.5       | <b>4.6</b>               | 0.16   | 0.62  | C90             |
| Lymphoid leukaemia           | 21         | 1.4       | 3.3                      | <b>3.8</b>   | 0.20                     | 0.29       | 17        | 1.3                      | 2.8       | <b>2.7</b>               | 0.12   | 0.21  | C91             |
| Myeloid leukaemia            | 19         | 1.3       | 2.9                      | <b>3.3</b>   | 0.21                     | 0.43       | 11        | 0.8                      | 1.8       | <b>1.7</b>               | 0.05   | 0.10  | C92-94          |
| Leukaemia unspecified        | 2          | 0.1       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.01       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 6          | 0.4       | 0.9                      | <b>1.1</b>   | 0.09                     | 0.09       | 4         | 0.3                      | 0.7       | <b>0.7</b>               | 0.04   | 0.09  | MPD             |
| Myelodysplastic syndromes    | 5          | 0.3       | 0.8                      | <b>0.9</b>   | 0.03                     | 0.13       | 8         | 0.6                      | 1.3       | <b>1.2</b>               | 0.06   | 0.16  | MDS             |
| Other and unspecified        | 43         | 2.9       | 6.7                      | <b>9.1</b>   | 0.55                     | 1.17       | 44        | 3.3                      | 7.3       | <b>7.9</b>               | 0.29   | 1.05  | O&U             |
| All sites                    | 1482       |           | 229.6                    | <b>295.6</b> | 17.03                    | 37.42      | 1317      |                          | 217.8     | <b>231.2</b>             | 14.28  | 27.15 | C00-96          |
| All sites except C44         | 1480       | 100.0     | 229.2                    | <b>295.3</b> | 17.00                    | 37.39      | 1315      | 100.0                    | 217.5     | <b>230.9</b>             | 14.26  | 27.12 | C00-96 exc. C44 |

§Includes 1 case of unknown age

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## USA, Arizona: White (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 98         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       | 31        | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 525        | 0.9       | 4.0                      | <b>3.0</b>   | 0.23                     | 0.36       | 234       | 0.4                      | 1.8       | <b>1.1</b>               | 0.07   | 0.13  | C01-02          |
| Mouth                        | 290        | 0.5       | 2.2                      | <b>1.6</b>   | 0.10                     | 0.21       | 199       | 0.4                      | 1.5       | <b>0.8</b>               | 0.05   | 0.09  | C03-06          |
| Salivary glands              | 203        | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.11       | 98        | 0.2                      | 0.7       | <b>0.4</b>               | 0.02   | 0.05  | C07-08          |
| Tonsil                       | 297        | 0.5       | 2.3                      | <b>1.8</b>   | 0.15                     | 0.21       | 80        | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 80         | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.06       | 46        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 53         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03       | 31        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 116        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.08       | 29        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 59         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 21        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C14             |
| Oesophagus                   | 1046       | 1.8       | 7.9                      | <b>5.3</b>   | 0.30                     | 0.67       | 251       | 0.5                      | 1.9       | <b>1.0</b>               | 0.05   | 0.12  | C15             |
| Stomach                      | 906        | 1.5       | 6.9                      | <b>4.4</b>   | 0.23                     | 0.53       | 507       | 1.0                      | 3.9       | <b>2.1</b>               | 0.10   | 0.23  | C16             |
| Small intestine              | 238        | 0.4       | 1.8                      | <b>1.2</b>   | 0.07                     | 0.16       | 185       | 0.3                      | 1.4       | <b>0.8</b>               | 0.05   | 0.10  | C17             |
| Colon                        | 4063       | 6.8       | 30.9                     | <b>19.0</b>  | 0.85                     | 2.25       | 3953      | 7.4                      | 30.2      | <b>14.9</b>              | 0.66   | 1.71  | C18             |
| Rectum                       | 1787       | 3.0       | 13.6                     | <b>9.2</b>   | 0.53                     | 1.17       | 1222      | 2.3                      | 9.3       | <b>5.5</b>               | 0.34   | 0.64  | C19-20          |
| Anus                         | 139        | 0.2       | 1.1                      | <b>0.7</b>   | 0.05                     | 0.08       | 227       | 0.4                      | 1.7       | <b>1.1</b>               | 0.09   | 0.13  | C21             |
| Liver                        | 1127       | 1.9       | 8.6                      | <b>6.1</b>   | 0.42                     | 0.73       | 450       | 0.8                      | 3.4       | <b>2.0</b>               | 0.11   | 0.24  | C22             |
| Gallbladder etc.             | 319        | 0.5       | 2.4                      | <b>1.5</b>   | 0.07                     | 0.16       | 366       | 0.7                      | 2.8       | <b>1.4</b>               | 0.08   | 0.16  | C23-24          |
| Pancreas                     | 1524       | 2.6       | 11.6                     | <b>7.4</b>   | 0.37                     | 0.90       | 1363      | 2.6                      | 10.4      | <b>5.2</b>               | 0.24   | 0.61  | C25             |
| Nose, sinuses etc.           | 95         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       | 62        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 635        | 1.1       | 4.8                      | <b>3.3</b>   | 0.18                     | 0.43       | 151       | 0.3                      | 1.2       | <b>0.7</b>               | 0.04   | 0.10  | C32             |
| Trachea, bronchus and lung   | 8949       | 15.0      | 68.0                     | <b>42.8</b>  | 1.89                     | 5.50       | 7816      | 14.7                     | 59.7      | <b>32.4</b>              | 1.51   | 4.22  | C33-34          |
| Other thoracic organs        | 48         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03       | 34        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 159        | 0.3       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.09       | 127       | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 2677       | 4.5       | 20.3                     | <b>13.9</b>  | 0.80                     | 1.60       | 1671      | 3.1                      | 12.8      | <b>9.0</b>               | 0.62   | 0.93  | C43             |
| Other skin                   | 197        | 0.3       | 1.5                      | <b>0.9</b>   | 0.04                     | 0.09       | 136       | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 227        | 0.4       | 1.7                      | <b>1.0</b>   | 0.03                     | 0.12       | 63        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 66         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03       | 6         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 415        | 0.7       | 3.2                      | <b>2.3</b>   | 0.13                     | 0.24       | 382       | 0.7                      | 2.9       | <b>2.0</b>               | 0.12   | 0.19  | C47+C49         |
| Breast                       | 217        | 0.4       | 1.6                      | <b>1.1</b>   | 0.07                     | 0.14       | 15264     | 28.6                     | 116.5     | <b>75.8</b>              | 5.27   | 8.90  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 273       | 0.5                      | 2.1       | <b>1.2</b>               | 0.07   | 0.13  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 77        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 927       | 1.7                      | 7.1       | <b>5.7</b>               | 0.47   | 0.55  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 2563      | 4.8                      | 19.6      | <b>12.9</b>              | 0.94   | 1.55  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 111       | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 1880      | 3.5                      | 14.4      | <b>9.0</b>               | 0.59   | 1.05  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 94        | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 3         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 95         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 16091      | 27.0      | 122.3                    | <b>84.5</b>  | 4.50                     | 11.76      |           |                          |           |                          |        |       | C61             |
| Testis                       | 703        | 1.2       | 5.3                      | <b>5.0</b>   | 0.37                     | 0.39       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 24         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2191       | 3.7       | 16.7                     | <b>11.9</b>  | 0.77                     | 1.43       | 1395      | 2.6                      | 10.6      | <b>6.7</b>               | 0.40   | 0.79  | C64             |
| Renal pelvis                 | 111        | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06       | 86        | 0.2                      | 0.7       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 96         | 0.2       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.04       | 67        | 0.1                      | 0.5       | <b>0.2</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 4452       | 7.5       | 33.8                     | <b>20.0</b>  | 0.82                     | 2.41       | 1369      | 2.6                      | 10.5      | <b>5.3</b>               | 0.24   | 0.65  | C67             |
| Other urinary organs         | 44         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 108        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.06       | 110       | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 1020       | 1.7       | 7.8                      | <b>6.4</b>   | 0.39                     | 0.62       | 846       | 1.6                      | 6.5       | <b>5.1</b>               | 0.33   | 0.46  | C70-72          |
| Thyroid                      | 753        | 1.3       | 5.7                      | <b>4.5</b>   | 0.34                     | 0.49       | 2276      | 4.3                      | 17.4      | <b>14.3</b>              | 1.12   | 1.38  | C73             |
| Adrenal gland                | 35         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 34        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 27         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 7         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 291        | 0.5       | 2.2                      | <b>1.9</b>   | 0.13                     | 0.17       | 245       | 0.5                      | 1.9       | <b>1.7</b>               | 0.11   | 0.14  | C81             |
| Non-Hodgkin lymphoma         | 2407       | 4.0       | 18.3                     | <b>12.0</b>  | 0.62                     | 1.39       | 2030      | 3.8                      | 15.5      | <b>9.0</b>               | 0.52   | 1.02  | C82-85,C96      |
| Immunoproliferative diseases | 33         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 26        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 654        | 1.1       | 5.0                      | <b>3.2</b>   | 0.16                     | 0.39       | 524       | 1.0                      | 4.0       | <b>2.2</b>               | 0.11   | 0.26  | C90             |
| Lymphoid leukaemia           | 747        | 1.3       | 5.7                      | <b>4.5</b>   | 0.22                     | 0.41       | 511       | 1.0                      | 3.9       | <b>2.9</b>               | 0.14   | 0.23  | C91             |
| Myeloid leukaemia            | 691        | 1.2       | 5.3                      | <b>3.6</b>   | 0.18                     | 0.39       | 574       | 1.1                      | 4.4       | <b>2.8</b>               | 0.16   | 0.27  | C92-94          |
| Leukaemia unspecified        | 107        | 0.2       | 0.8                      | <b>0.4</b>   | 0.02                     | 0.03       | 77        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 282        | 0.5       | 2.1                      | <b>1.4</b>   | 0.07                     | 0.16       | 248       | 0.5                      | 1.9       | <b>1.0</b>               | 0.05   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 571        | 1.0       | 4.3                      | <b>2.3</b>   | 0.05                     | 0.24       | 418       | 0.8                      | 3.2       | <b>1.4</b>               | 0.05   | 0.16  | MDS             |
| Other and unspecified        | 1735       | 2.9       | 13.2                     | <b>8.2</b>   | 0.41                     | 0.98       | 1696      | 3.2                      | 12.9      | <b>6.4</b>               | 0.31   | 0.72  | O&U             |
| All sites                    | 59823      |           | 454.7                    | <b>304.7</b> | 16.05                    | 37.71      | 53485     |                          | 408.3     | <b>250.7</b>             | 15.41  | 28.71 | C00-96          |
| All sites except C44         | 59626      | 100.0     | 453.2                    | <b>303.8</b> | 16.02                    | 37.62      | 53349     | 100.0                    | 407.3     | <b>250.1</b>             | 15.38  | 28.65 | C00-96 exc. C44 |

§Includes 13 cases of unknown age

§Includes 22 cases of unknown age

# USA, Arkansas

## REGISTRATION AREA

The Arkansas Central Cancer Registry (ACCR) covers the state of Arkansas in the south-central USA. At the 2010 census, the population was 2.9 million.

## CANCER CARE FACILITIES

General health care is provided by 105 hospitals, including two Veterans Health Administration hospitals. Arkansas also has many surgery centres, clinics, and private physicians. There are 58 non-federal hospitals (31 with cancer registries) and three hospitals with cancer registries approved by the American College of Surgeons.

## REGISTRY STRUCTURE AND METHODS

Cancer is a reportable disease in Arkansas, mandated by state law. The ACCR is located within the Arkansas Department of Health (ADH). The registry has 13 full-time positions that are federally funded (through the National Program of Central Cancer Registries) and two full-time positions that are funded by the state (through BreastCare – the Arkansas breast and cervical cancer screening programme). The ACCR uses information from hospitals throughout the state; cases from 27 of these are abstracted by ACCR staff members. The registry also uses information from pathology laboratories, surgery centres, private physicians, hospices, and nursing homes. The ACCR database (CancerCore DBMS v2) was created internally and is used for all registry computer activities. The ACCR receives death certificates and discharge summaries by electronic linkage with the Health Statistics Branch of the ADH.

## INTERPRETING THE RESULTS

The ACCR provides data to Arkansas hospitals, treatment centres, and community organizations that offer screening programmes. The registry works with the Arkansas National Breast and Cervical Cancer Early Detection Program (NBCCEDP), which supports screening and diagnostic services for low-income, uninsured, and underserved women. The Colorectal

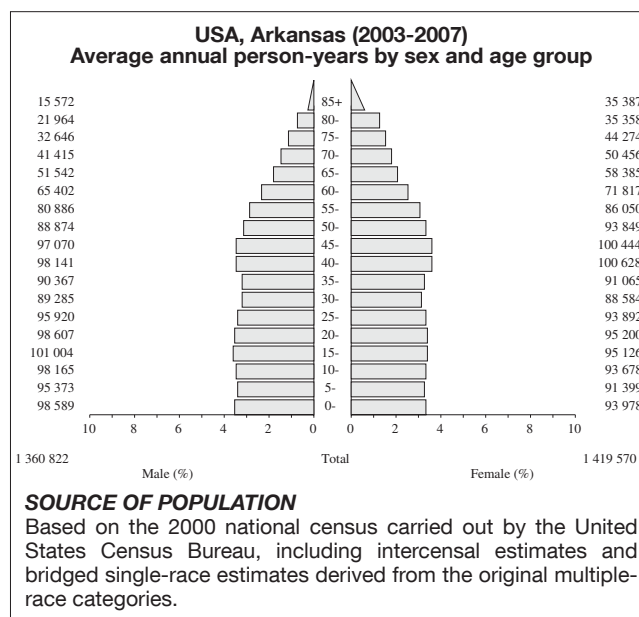
Cancer Screening Program at the University of Arkansas for Medical Sciences (UAMS) is committed to the prevention, early detection, and treatment of colorectal cancer. It services minorities and individuals from underserved communities.

## USE OF THE DATA

The ACCR database system includes many pre-defined reports and query tools for analysing cancer registry data. The ACCR has a contract with the Kentucky Cancer Registry for a web-based query system that provides public access to population-based cancer incidence data, which are updated annually.

## CONTRIBUTORS

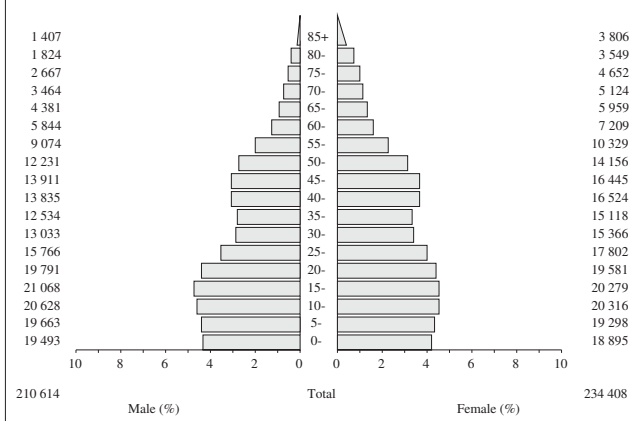
Theressia C. Mitchell  
Nathaniel Smith  
Joseph Bates  
John Senner  
Abby Holt



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 108.9 | Breast                     | 79.1  |
| Trachea, bronchus and lung | 72.1  | Trachea, bronchus and lung | 41.7  |
| Colon                      | 24.8  | Colon                      | 19.1  |
| Bladder                    | 19.4  | Corpus uteri               | 12.9  |
| Non-Hodgkin lymphoma       | 14.9  | Non-Hodgkin lymphoma       | 10.4  |
| Kidney                     | 14.3  | Ovary                      | 8.0   |
| Rectum                     | 12.1  | Thyroid                    | 7.8   |
| Melanoma of skin           | 11.7  | Melanoma of skin           | 7.8   |
| Pancreas                   | 7.7   | Kidney                     | 7.8   |
| Other and unspecified      | 7.2   | Cervix uteri               | 7.6   |
| All sites                  | 377.6 | All sites                  | 269.8 |

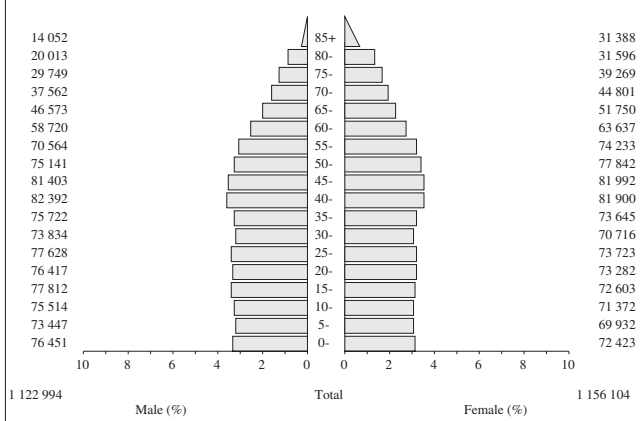
**USA, Arkansas: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, ARKANSAS: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 149.2 | Breast                     | 74.5  |
| Trachea, bronchus and lung | 83.4  | Trachea, bronchus and lung | 33.5  |
| Colon                      | 34.3  | Colon                      | 26.5  |
| Kidney                     | 15.1  | Corpus uteri               | 11.8  |
| Rectum                     | 12.3  | Kidney                     | 8.9   |
| Pancreas                   | 10.9  | Cervix uteri               | 8.8   |
| Non-Hodgkin lymphoma       | 10.4  | Rectum                     | 8.0   |
| Stomach                    | 10.2  | Pancreas                   | 8.0   |
| Other and unspecified      | 9.8   | Other and unspecified      | 7.2   |
| Multiple myeloma           | 9.7   | Non-Hodgkin lymphoma       | 6.7   |
| All sites                  | 420.1 | All sites                  | 258.7 |

**USA, Arkansas: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, ARKANSAS: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 103.3 | Breast                     | 79.4  |
| Trachea, bronchus and lung | 71.3  | Trachea, bronchus and lung | 43.0  |
| Colon                      | 23.8  | Colon                      | 18.1  |
| Bladder                    | 20.6  | Corpus uteri               | 13.2  |
| Non-Hodgkin lymphoma       | 15.3  | Non-Hodgkin lymphoma       | 10.8  |
| Kidney                     | 14.3  | Melanoma of skin           | 9.0   |
| Melanoma of skin           | 13.0  | Ovary                      | 8.4   |
| Rectum                     | 12.2  | Thyroid                    | 8.4   |
| Pancreas                   | 7.4   | Kidney                     | 7.6   |
| Other and unspecified      | 6.9   | Cervix uteri               | 7.5   |
| All sites                  | 372.1 | All sites                  | 271.7 |

## USA, Arkansas (2003-2007)

| SITE                         | Male       |           |                          |           |                     |                     | Female     |           |                          |           |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|-----------|---------------------|---------------------|------------|-----------|--------------------------|-----------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 124        | 0.3       | 1.8                      | 1.2       | 0.07                | 0.14                | 26         | 0.1       | 0.4                      | 0.1       | 0.00                | 0.01                | C00             |
| Tongue                       | 298        | 0.8       | 4.4                      | 3.2       | 0.25                | 0.36                | 145        | 0.5       | 2.0                      | 1.2       | 0.08                | 0.15                | C01-02          |
| Mouth                        | 193        | 0.5       | 2.8                      | 1.9       | 0.12                | 0.23                | 143        | 0.5       | 2.0                      | 1.0       | 0.05                | 0.11                | C03-06          |
| Salivary glands              | 93         | 0.2       | 1.4                      | 0.8       | 0.04                | 0.08                | 64         | 0.2       | 0.9                      | 0.6       | 0.03                | 0.06                | C07-08          |
| Tonsil                       | 256        | 0.7       | 3.8                      | 2.8       | 0.23                | 0.32                | 75         | 0.2       | 1.1                      | 0.7       | 0.05                | 0.08                | C09             |
| Other oropharynx             | 56         | 0.1       | 0.8                      | 0.6       | 0.05                | 0.08                | 19         | 0.1       | 0.3                      | 0.1       | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 48         | 0.1       | 0.7                      | 0.5       | 0.04                | 0.05                | 21         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.03                | C11             |
| Hypopharynx                  | 81         | 0.2       | 1.2                      | 0.8       | 0.06                | 0.11                | 24         | 0.1       | 0.3                      | 0.2       | 0.02                | 0.03                | C12-13          |
| Pharynx unspecified          | 23         | 0.1       | 0.3                      | 0.3       | 0.02                | 0.03                | 9          | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                | C14             |
| Oesophagus                   | 488        | 1.3       | 7.2                      | 4.9       | 0.29                | 0.62                | 146        | 0.5       | 2.1                      | 1.1       | 0.06                | 0.14                | C15             |
| Stomach                      | 590        | 1.5       | 8.7                      | 5.7       | 0.32                | 0.70                | 349        | 1.1       | 4.9                      | 2.6       | 0.15                | 0.31                | C16             |
| Small intestine              | 161        | 0.4       | 2.4                      | 1.6       | 0.10                | 0.19                | 153        | 0.5       | 2.2                      | 1.2       | 0.08                | 0.14                | C17             |
| Colon                        | 2638       | 6.8       | 38.8                     | 24.8      | 1.28                | 2.96                | 2694       | 8.5       | 38.0                     | 19.1      | 1.00                | 2.19                | C18             |
| Rectum                       | 1216       | 3.2       | 17.9                     | 12.1      | 0.74                | 1.48                | 892        | 2.8       | 12.6                     | 7.2       | 0.44                | 0.83                | C19-20          |
| Anus                         | 92         | 0.2       | 1.4                      | 0.9       | 0.07                | 0.10                | 160        | 0.5       | 2.3                      | 1.4       | 0.10                | 0.16                | C21             |
| Liver                        | 505        | 1.3       | 7.4                      | 5.1       | 0.33                | 0.60                | 209        | 0.7       | 2.9                      | 1.7       | 0.09                | 0.20                | C22             |
| Gallbladder etc.             | 141        | 0.4       | 2.1                      | 1.3       | 0.06                | 0.16                | 198        | 0.6       | 2.8                      | 1.3       | 0.07                | 0.16                | C23-24          |
| Pancreas                     | 826        | 2.1       | 12.1                     | 7.7       | 0.40                | 0.93                | 795        | 2.5       | 11.2                     | 5.5       | 0.27                | 0.64                | C25             |
| Nose, sinuses etc.           | 54         | 0.1       | 0.8                      | 0.6       | 0.03                | 0.06                | 51         | 0.2       | 0.7                      | 0.4       | 0.02                | 0.05                | C30-31          |
| Larynx                       | 618        | 1.6       | 9.1                      | 6.2       | 0.43                | 0.76                | 163        | 0.5       | 2.3                      | 1.5       | 0.11                | 0.20                | C32             |
| Trachea, bronchus and lung   | 7638       | 19.8      | 112.3                    | 72.1      | 3.65                | 9.17                | 5153       | 16.3      | 72.6                     | 41.7      | 2.31                | 5.46                | C33-34          |
| Other thoracic organs        | 38         | 0.1       | 0.6                      | 0.4       | 0.03                | 0.05                | 22         | 0.1       | 0.3                      | 0.2       | 0.02                | 0.03                | C37-38          |
| Bone                         | 53         | 0.1       | 0.8                      | 0.7       | 0.05                | 0.06                | 64         | 0.2       | 0.9                      | 0.9       | 0.05                | 0.06                | C40-41          |
| Melanoma of skin             | 1167       | 3.0       | 17.2                     | 11.7      | 0.70                | 1.32                | 809        | 2.6       | 11.4                     | 7.8       | 0.53                | 0.80                | C43             |
| Other skin                   | 116        | 0.3       | 1.7                      | 1.1       | 0.06                | 0.12                | 85         | 0.3       | 1.2                      | 0.7       | 0.05                | 0.07                | C44             |
| Mesothelioma                 | 93         | 0.2       | 1.4                      | 0.8       | 0.03                | 0.09                | 16         | 0.1       | 0.2                      | 0.1       | 0.01                | 0.02                | C45             |
| Kaposi sarcoma               | 30         | 0.1       | 0.4                      | 0.3       | 0.01                | 0.02                | 10         | 0.0       | 0.1                      | 0.0       | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 240        | 0.6       | 3.5                      | 2.8       | 0.16                | 0.25                | 215        | 0.7       | 3.0                      | 2.2       | 0.14                | 0.19                | C47+C49         |
| Breast                       | 90         | 0.2       | 1.3                      | 0.9       | 0.05                | 0.10                | 8769       | 27.7      | 123.5                    | 79.1      | 5.59                | 9.20                | C50             |
| Vulva                        |            |           |                          |           |                     |                     | 215        | 0.7       | 3.0                      | 1.9       | 0.12                | 0.20                | C51             |
| Vagina                       |            |           |                          |           |                     |                     | 64         | 0.2       | 0.9                      | 0.5       | 0.03                | 0.06                | C52             |
| Cervix uteri                 |            |           |                          |           |                     |                     | 704        | 2.2       | 9.9                      | 7.6       | 0.60                | 0.73                | C53             |
| Corpus uteri                 |            |           |                          |           |                     |                     | 1468       | 4.6       | 20.7                     | 12.9      | 0.90                | 1.57                | C54             |
| Uterus unspecified           |            |           |                          |           |                     |                     | 53         | 0.2       | 0.7                      | 0.4       | 0.03                | 0.05                | C55             |
| Ovary                        |            |           |                          |           |                     |                     | 940        | 3.0       | 13.2                     | 8.0       | 0.52                | 0.91                | C56             |
| Other female genital organs  |            |           |                          |           |                     |                     | 42         | 0.1       | 0.6                      | 0.4       | 0.03                | 0.05                | C57             |
| Placenta                     |            |           |                          |           |                     |                     | 3          | 0.0       | 0.0                      | 0.1       | 0.00                | 0.00                | C58             |
| Penis                        | 65         | 0.2       | 1.0                      | 0.7       | 0.04                | 0.09                |            |           |                          |           |                     |                     | C60             |
| Prostate                     | 11266      | 29.2      | 165.6                    | 108.9     | 5.32                | 15.00               |            |           |                          |           |                     |                     | C61             |
| Testis                       | 288        | 0.7       | 4.2                      | 4.0       | 0.30                | 0.32                |            |           |                          |           |                     |                     | C62             |
| Other male genital organs    | 7          | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                |            |           |                          |           |                     |                     | C63             |
| Kidney                       | 1394       | 3.6       | 20.5                     | 14.3      | 0.88                | 1.71                | 878        | 2.8       | 12.4                     | 7.8       | 0.50                | 0.93                | C64             |
| Renal pelvis                 | 42         | 0.1       | 0.6                      | 0.4       | 0.02                | 0.04                | 33         | 0.1       | 0.5                      | 0.2       | 0.01                | 0.02                | C65             |
| Ureter                       | 62         | 0.2       | 0.9                      | 0.5       | 0.02                | 0.06                | 27         | 0.1       | 0.4                      | 0.2       | 0.01                | 0.02                | C66             |
| Bladder                      | 2178       | 5.6       | 32.0                     | 19.4      | 0.77                | 2.32                | 746        | 2.4       | 10.5                     | 5.0       | 0.24                | 0.59                | C67             |
| Other urinary organs         | 21         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.03                | 8          | 0.0       | 0.1                      | 0.0       | 0.00                | 0.00                | C68             |
| Eye                          | 49         | 0.1       | 0.7                      | 0.6       | 0.03                | 0.06                | 47         | 0.1       | 0.7                      | 0.5       | 0.03                | 0.04                | C69             |
| Brain, nervous system        | 525        | 1.4       | 7.7                      | 6.1       | 0.37                | 0.61                | 444        | 1.4       | 6.3                      | 4.9       | 0.29                | 0.48                | C70-72          |
| Thyroid                      | 271        | 0.7       | 4.0                      | 3.0       | 0.22                | 0.35                | 689        | 2.2       | 9.7                      | 7.8       | 0.60                | 0.76                | C73             |
| Adrenal gland                | 19         | 0.0       | 0.3                      | 0.3       | 0.01                | 0.02                | 26         | 0.1       | 0.4                      | 0.3       | 0.02                | 0.03                | C74             |
| Other endocrine              | 15         | 0.0       | 0.2                      | 0.2       | 0.01                | 0.02                | 8          | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                | C75             |
| Hodgkin lymphoma             | 218        | 0.6       | 3.2                      | 2.8       | 0.18                | 0.24                | 155        | 0.5       | 2.2                      | 1.9       | 0.13                | 0.16                | C81             |
| Non-Hodgkin lymphoma         | 1500       | 3.9       | 22.0                     | 14.9      | 0.82                | 1.70                | 1296       | 4.1       | 18.3                     | 10.4      | 0.59                | 1.22                | C82-85,C96      |
| Immunoproliferative diseases | 15         | 0.0       | 0.2                      | 0.1       | 0.01                | 0.01                | 13         | 0.0       | 0.2                      | 0.1       | 0.01                | 0.01                | C88             |
| Multiple myeloma             | 500        | 1.3       | 7.3                      | 4.8       | 0.26                | 0.62                | 370        | 1.2       | 5.2                      | 2.9       | 0.15                | 0.37                | C90             |
| Lymphoid leukaemia           | 502        | 1.3       | 7.4                      | 5.5       | 0.30                | 0.56                | 314        | 1.0       | 4.4                      | 2.9       | 0.13                | 0.26                | C91             |
| Myeloid leukaemia            | 435        | 1.1       | 6.4                      | 4.4       | 0.22                | 0.46                | 402        | 1.3       | 5.7                      | 3.5       | 0.21                | 0.35                | C92-94          |
| Leukaemia unspecified        | 31         | 0.1       | 0.5                      | 0.2       | 0.01                | 0.01                | 37         | 0.1       | 0.5                      | 0.2       | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 224        | 0.6       | 3.3                      | 2.3       | 0.15                | 0.24                | 162        | 0.5       | 2.3                      | 1.4       | 0.08                | 0.16                | MPD             |
| Myelodysplastic syndromes    | 339        | 0.9       | 5.0                      | 2.8       | 0.09                | 0.32                | 255        | 0.8       | 3.6                      | 1.8       | 0.08                | 0.21                | MDS             |
| Other and unspecified        | 760        | 2.0       | 11.2                     | 7.2       | 0.42                | 0.79                | 857        | 2.7       | 12.1                     | 5.9       | 0.28                | 0.68                | O&U             |
| All sites                    | 38692      |           | 568.7                    | 377.6     | 20.13               | 46.71               | 31735      |           | 447.1                    | 269.8     | 16.93               | 31.23               | C00-96          |
| All sites except C44         | 38576      | 100.0     | 567.0                    | 376.5     | 20.07               | 46.60               | 31650      | 100.0     | 445.9                    | 269.1     | 16.88               | 31.16               | C00-96 exc. C44 |

§Includes 4 cases of unknown age

§Includes 2 cases of unknown age

## USA, Arkansas: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 19        | 0.5       | 1.8                      | <b>1.8</b>   | 0.18                     | 0.18      | 11        | 0.3                      | 0.9       | <b>0.8</b>               | 0.04   | 0.09  | C01-02          |
| Mouth                        | 17        | 0.4       | 1.6                      | <b>1.8</b>   | 0.10                     | 0.26      | 10        | 0.3                      | 0.9       | <b>0.5</b>               | 0.04   | 0.04  | C03-06          |
| Salivary glands              | 5         | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.01      | 7         | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 18        | 0.4       | 1.7                      | <b>1.8</b>   | 0.18                     | 0.20      | 6         | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 6         | 0.1       | 0.6                      | <b>0.5</b>   | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 9         | 0.2       | 0.9                      | <b>0.8</b>   | 0.07                     | 0.07      | 3         | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.03  | C11             |
| Hypopharynx                  | 12        | 0.3       | 1.1                      | <b>1.3</b>   | 0.07                     | 0.21      | 4         | 0.1                      | 0.3       | <b>0.3</b>               | 0.03   | 0.03  | C12-13          |
| Pharynx unspecified          | 2         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 80        | 1.9       | 7.6                      | <b>7.9</b>   | 0.46                     | 0.93      | 31        | 0.9                      | 2.6       | <b>2.3</b>               | 0.12   | 0.31  | C15             |
| Stomach                      | 109       | 2.6       | 10.4                     | <b>10.2</b>  | 0.61                     | 1.16      | 91        | 2.5                      | 7.8       | <b>6.4</b>               | 0.37   | 0.80  | C16             |
| Small intestine              | 18        | 0.4       | 1.7                      | <b>1.8</b>   | 0.11                     | 0.24      | 33        | 0.9                      | 2.8       | <b>2.3</b>               | 0.18   | 0.25  | C17             |
| Colon                        | 350       | 8.4       | 33.2                     | <b>34.3</b>  | 2.04                     | 4.22      | 407       | 11.3                     | 34.7      | <b>26.5</b>              | 1.64   | 2.98  | C18             |
| Rectum                       | 123       | 2.9       | 11.7                     | <b>12.3</b>  | 0.79                     | 1.54      | 119       | 3.3                      | 10.2      | <b>8.0</b>               | 0.59   | 0.86  | C19-20          |
| Anus                         | 12        | 0.3       | 1.1                      | <b>1.2</b>   | 0.10                     | 0.15      | 10        | 0.3                      | 0.9       | <b>0.7</b>               | 0.05   | 0.08  | C21             |
| Liver                        | 64        | 1.5       | 6.1                      | <b>6.4</b>   | 0.36                     | 0.81      | 25        | 0.7                      | 2.1       | <b>1.7</b>               | 0.10   | 0.20  | C22             |
| Gallbladder etc.             | 11        | 0.3       | 1.0                      | <b>1.0</b>   | 0.05                     | 0.08      | 26        | 0.7                      | 2.2       | <b>1.8</b>               | 0.09   | 0.22  | C23-24          |
| Pancreas                     | 114       | 2.7       | 10.8                     | <b>10.9</b>  | 0.56                     | 1.30      | 126       | 3.5                      | 10.8      | <b>8.0</b>               | 0.44   | 0.86  | C25             |
| Nose, sinuses etc.           | 5         | 0.1       | 0.5                      | <b>0.6</b>   | 0.05                     | 0.07      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.03  | C30-31          |
| Larynx                       | 87        | 2.1       | 8.3                      | <b>8.7</b>   | 0.67                     | 1.08      | 18        | 0.5                      | 1.5       | <b>1.4</b>               | 0.14   | 0.14  | C32             |
| Trachea, bronchus and lung   | 824       | 19.7      | 78.2                     | <b>83.4</b>  | 5.05                     | 10.44     | 454       | 12.6                     | 38.7      | <b>33.5</b>              | 2.34   | 4.17  | C33-34          |
| Other thoracic organs        | 4         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05      | 4         | 0.1                      | 0.3       | <b>0.4</b>               | 0.05   | 0.05  | C37-38          |
| Bone                         | 6         | 0.1       | 0.6                      | <b>0.6</b>   | 0.05                     | 0.08      | 12        | 0.3                      | 1.0       | <b>1.0</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 7         | 0.2       | 0.7                      | <b>0.8</b>   | 0.06                     | 0.11      | 6         | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.04  | C43             |
| Other skin                   | 10        | 0.2       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.10      | 13        | 0.3                      | 1.1       | <b>1.0</b>               | 0.07   | 0.11  | C44             |
| Mesothelioma                 | 7         | 0.2       | 0.7                      | <b>0.7</b>   | 0.01                     | 0.09      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 3         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 30        | 0.7       | 2.8                      | <b>2.8</b>   | 0.17                     | 0.23      | 31        | 0.9                      | 2.6       | <b>2.6</b>               | 0.16   | 0.25  | C47+C49         |
| Breast                       | 11        | 0.3       | 1.0                      | <b>1.0</b>   | 0.08                     | 0.08      | 994       | 27.6                     | 84.8      | <b>74.5</b>              | 5.57   | 8.53  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 24        | 0.7                      | 2.0       | <b>1.6</b>               | 0.10   | 0.18  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 12        | 0.3                      | 1.0       | <b>0.8</b>               | 0.05   | 0.08  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 125       | 3.5                      | 10.7      | <b>8.8</b>               | 0.60   | 0.89  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 165       | 4.6                      | 14.1      | <b>11.8</b>              | 0.73   | 1.42  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 13        | 0.4                      | 1.1       | <b>0.8</b>               | 0.04   | 0.08  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 78        | 2.2                      | 6.7       | <b>5.9</b>               | 0.36   | 0.70  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 5         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 4         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1442      | 34.5      | 136.9                    | <b>149.2</b> | 8.03                     | 19.88     |           |                          |           |                          |        |       | C61             |
| Testis                       | 15        | 0.4       | 1.4                      | <b>1.4</b>   | 0.11                     | 0.11      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.1       | 0.3                      | <b>0.3</b>   | 0.03                     | 0.03      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 149       | 3.6       | 14.1                     | <b>15.1</b>  | 1.01                     | 1.83      | 115       | 3.2                      | 9.8       | <b>8.9</b>               | 0.59   | 1.08  | C64             |
| Renal pelvis                 | 2         | 0.0       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.04      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 4         | 0.1       | 0.4                      | <b>0.5</b>   | 0.04                     | 0.06      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 76        | 1.8       | 7.2                      | <b>7.3</b>   | 0.32                     | 0.94      | 55        | 1.5                      | 4.7       | <b>3.3</b>               | 0.15   | 0.39  | C67             |
| Other urinary organs         | 2         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 53        | 1.3       | 5.0                      | <b>4.9</b>   | 0.33                     | 0.44      | 44        | 1.2                      | 3.8       | <b>3.8</b>               | 0.22   | 0.35  | C70-72          |
| Thyroid                      | 10        | 0.2       | 0.9                      | <b>1.1</b>   | 0.05                     | 0.14      | 74        | 2.1                      | 6.3       | <b>5.6</b>               | 0.43   | 0.58  | C73             |
| Adrenal gland                | 4         | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.04      | 3         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 3         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 25        | 0.6       | 2.4                      | <b>2.4</b>   | 0.13                     | 0.17      | 26        | 0.7                      | 2.2       | <b>2.1</b>               | 0.15   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 104       | 2.5       | 9.9                      | <b>10.4</b>  | 0.64                     | 1.32      | 90        | 2.5                      | 7.7       | <b>6.7</b>               | 0.48   | 0.71  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 102       | 2.4       | 9.7                      | <b>9.7</b>   | 0.59                     | 1.22      | 86        | 2.4                      | 7.3       | <b>6.0</b>               | 0.29   | 0.80  | C90             |
| Lymphoid leukaemia           | 41        | 1.0       | 3.9                      | <b>4.2</b>   | 0.22                     | 0.42      | 31        | 0.9                      | 2.6       | <b>2.2</b>               | 0.08   | 0.25  | C91             |
| Myeloid leukaemia            | 41        | 1.0       | 3.9                      | <b>3.7</b>   | 0.20                     | 0.36      | 43        | 1.2                      | 3.7       | <b>3.2</b>               | 0.18   | 0.36  | C92-94          |
| Leukaemia unspecified        | 7         | 0.2       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.02      | 4         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 19        | 0.5       | 1.8                      | <b>1.8</b>   | 0.11                     | 0.16      | 18        | 0.5                      | 1.5       | <b>1.3</b>               | 0.09   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 19        | 0.5       | 1.8                      | <b>1.7</b>   | 0.04                     | 0.23      | 30        | 0.8                      | 2.6       | <b>2.0</b>               | 0.12   | 0.23  | MDS             |
| Other and unspecified        | 104       | 2.5       | 9.9                      | <b>9.8</b>   | 0.59                     | 1.06      | 117       | 3.3                      | 10.0      | <b>7.2</b>               | 0.33   | 0.87  | O&U             |
| All sites                    | 4193      |           | 398.2                    | <b>420.1</b> | 24.55                    | 52.34     | 3610      |                          | 308.0     | <b>258.7</b>             | 17.26  | 29.65 | C00-96          |
| All sites except C44         | 4183      | 100.0     | 397.2                    | <b>419.2</b> | 24.48                    | 52.24     | 3597      | 100.0                    | 306.9     | <b>257.8</b>             | 17.19  | 29.54 | C00-96 exc. C44 |

## USA, Arkansas: White (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 122        | 0.4       | 2.2                      | <b>1.3</b>   | 0.08                | 0.16                | 25         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 276        | 0.8       | 4.9                      | <b>3.4</b>   | 0.26                | 0.38                | 132        | 0.5       | 2.3                      | <b>1.3</b>   | 0.09                | 0.16                | C01-02          |
| Mouth                        | 171        | 0.5       | 3.0                      | <b>1.9</b>   | 0.13                | 0.23                | 131        | 0.5       | 2.3                      | <b>1.1</b>   | 0.06                | 0.13                | C03-06          |
| Salivary glands              | 86         | 0.3       | 1.5                      | <b>0.9</b>   | 0.04                | 0.09                | 57         | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                | 0.06                | C07-08          |
| Tonsil                       | 238        | 0.7       | 4.2                      | <b>3.0</b>   | 0.25                | 0.35                | 68         | 0.2       | 1.2                      | <b>0.7</b>   | 0.06                | 0.08                | C09             |
| Other oropharynx             | 50         | 0.1       | 0.9                      | <b>0.6</b>   | 0.05                | 0.08                | 19         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 35         | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 18         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | C11             |
| Hypopharynx                  | 69         | 0.2       | 1.2                      | <b>0.8</b>   | 0.06                | 0.10                | 20         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | C12-13          |
| Pharynx unspecified          | 20         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | 7          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 407        | 1.2       | 7.2                      | <b>4.5</b>   | 0.26                | 0.59                | 115        | 0.4       | 2.0                      | <b>1.0</b>   | 0.05                | 0.12                | C15             |
| Stomach                      | 475        | 1.4       | 8.5                      | <b>5.1</b>   | 0.28                | 0.64                | 252        | 0.9       | 4.4                      | <b>2.1</b>   | 0.12                | 0.24                | C16             |
| Small intestine              | 143        | 0.4       | 2.5                      | <b>1.6</b>   | 0.10                | 0.19                | 120        | 0.4       | 2.1                      | <b>1.1</b>   | 0.07                | 0.13                | C17             |
| Colon                        | 2264       | 6.7       | 40.3                     | <b>23.8</b>  | 1.18                | 2.83                | 2265       | 8.2       | 39.2                     | <b>18.1</b>  | 0.90                | 2.08                | C18             |
| Rectum                       | 1088       | 3.2       | 19.4                     | <b>12.2</b>  | 0.74                | 1.48                | 760        | 2.7       | 13.1                     | <b>7.0</b>   | 0.42                | 0.82                | C19-20          |
| Anus                         | 80         | 0.2       | 1.4                      | <b>0.9</b>   | 0.07                | 0.10                | 148        | 0.5       | 2.6                      | <b>1.6</b>   | 0.11                | 0.18                | C21             |
| Liver                        | 427        | 1.3       | 7.6                      | <b>4.8</b>   | 0.32                | 0.57                | 176        | 0.6       | 3.0                      | <b>1.6</b>   | 0.08                | 0.19                | C22             |
| Gallbladder etc.             | 129        | 0.4       | 2.3                      | <b>1.3</b>   | 0.06                | 0.17                | 171        | 0.6       | 3.0                      | <b>1.3</b>   | 0.06                | 0.15                | C23-24          |
| Pancreas                     | 706        | 2.1       | 12.6                     | <b>7.4</b>   | 0.38                | 0.89                | 664        | 2.4       | 11.5                     | <b>5.2</b>   | 0.25                | 0.61                | C25             |
| Nose, sinuses etc.           | 48         | 0.1       | 0.9                      | <b>0.6</b>   | 0.03                | 0.06                | 49         | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | C30-31          |
| Larynx                       | 529        | 1.6       | 9.4                      | <b>6.0</b>   | 0.41                | 0.73                | 144        | 0.5       | 2.5                      | <b>1.5</b>   | 0.10                | 0.20                | C32             |
| Trachea, bronchus and lung   | 6783       | 20.0      | 120.8                    | <b>71.3</b>  | 3.52                | 9.10                | 4665       | 16.9      | 80.7                     | <b>43.0</b>  | 2.34                | 5.65                | C33-34          |
| Other thoracic organs        | 32         | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04                | 17         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 46         | 0.1       | 0.8                      | <b>0.7</b>   | 0.05                | 0.06                | 52         | 0.2       | 0.9                      | <b>0.8</b>   | 0.05                | 0.06                | C40-41          |
| Melanoma of skin             | 1143       | 3.4       | 20.4                     | <b>13.0</b>  | 0.80                | 1.47                | 790        | 2.9       | 13.7                     | <b>9.0</b>   | 0.62                | 0.92                | C43             |
| Other skin                   | 104        | 0.3       | 1.9                      | <b>1.1</b>   | 0.05                | 0.12                | 71         | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.07                | C44             |
| Mesothelioma                 | 84         | 0.2       | 1.5                      | <b>0.8</b>   | 0.03                | 0.09                | 15         | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C45             |
| Kaposi sarcoma               | 25         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | 9          | 0.0       | 0.2                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 205        | 0.6       | 3.7                      | <b>2.8</b>   | 0.16                | 0.25                | 183        | 0.7       | 3.2                      | <b>2.2</b>   | 0.14                | 0.19                | C47+C49         |
| Breast                       | 78         | 0.2       | 1.4                      | <b>0.9</b>   | 0.05                | 0.10                | 7641       | 27.6      | 132.2                    | <b>79.4</b>  | 5.59                | 9.27                | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 187        | 0.7       | 3.2                      | <b>1.9</b>   | 0.13                | 0.20                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 52         | 0.2       | 0.9                      | <b>0.5</b>   | 0.02                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 565        | 2.0       | 9.8                      | <b>7.5</b>   | 0.60                | 0.71                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 1285       | 4.6       | 22.2                     | <b>13.2</b>  | 0.93                | 1.60                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 38         | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 853        | 3.1       | 14.8                     | <b>8.4</b>   | 0.55                | 0.95                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 37         | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 2          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 61         | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.09                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 9591       | 28.3      | 170.8                    | <b>103.3</b> | 4.95                | 14.31               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 268        | 0.8       | 4.8                      | <b>4.5</b>   | 0.34                | 0.36                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 4          | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 1236       | 3.6       | 22.0                     | <b>14.3</b>  | 0.88                | 1.72                | 753        | 2.7       | 13.0                     | <b>7.6</b>   | 0.49                | 0.91                | C64             |
| Renal pelvis                 | 40         | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | 32         | 0.1       | 0.6                      | <b>0.2</b>   | 0.01                | 0.02                | C65             |
| Ureter                       | 58         | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                | 0.06                | 27         | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C66             |
| Bladder                      | 2073       | 6.1       | 36.9                     | <b>20.6</b>  | 0.82                | 2.46                | 679        | 2.5       | 11.7                     | <b>5.2</b>   | 0.25                | 0.62                | C67             |
| Other urinary organs         | 19         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | 6          | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 47         | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.06                | 46         | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.05                | C69             |
| Brain, nervous system        | 463        | 1.4       | 8.2                      | <b>6.2</b>   | 0.37                | 0.62                | 394        | 1.4       | 6.8                      | <b>5.0</b>   | 0.30                | 0.50                | C70-72          |
| Thyroid                      | 256        | 0.8       | 4.6                      | <b>3.3</b>   | 0.24                | 0.37                | 606        | 2.2       | 10.5                     | <b>8.4</b>   | 0.64                | 0.80                | C73             |
| Adrenal gland                | 15         | 0.0       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 23         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C74             |
| Other endocrine              | 12         | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                | 0.02                | 7          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C75             |
| Hodgkin lymphoma             | 189        | 0.6       | 3.4                      | <b>2.8</b>   | 0.19                | 0.25                | 127        | 0.5       | 2.2                      | <b>1.8</b>   | 0.13                | 0.16                | C81             |
| Non-Hodgkin lymphoma         | 1370       | 4.0       | 24.4                     | <b>15.3</b>  | 0.84                | 1.74                | 1181       | 4.3       | 20.4                     | <b>10.8</b>  | 0.60                | 1.26                | C82-85,C96      |
| Immunoproliferative diseases | 15         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 13         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 388        | 1.1       | 6.9                      | <b>4.2</b>   | 0.22                | 0.54                | 279        | 1.0       | 4.8                      | <b>2.4</b>   | 0.12                | 0.31                | C90             |
| Lymphoid leukaemia           | 451        | 1.3       | 8.0                      | <b>5.7</b>   | 0.31                | 0.58                | 277        | 1.0       | 4.8                      | <b>3.0</b>   | 0.14                | 0.26                | C91             |
| Myeloid leukaemia            | 388        | 1.1       | 6.9                      | <b>4.4</b>   | 0.22                | 0.46                | 352        | 1.3       | 6.1                      | <b>3.5</b>   | 0.21                | 0.35                | C92-94          |
| Leukaemia unspecified        | 23         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.01                | 33         | 0.1       | 0.6                      | <b>0.2</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 198        | 0.6       | 3.5                      | <b>2.3</b>   | 0.15                | 0.25                | 137        | 0.5       | 2.4                      | <b>1.4</b>   | 0.07                | 0.16                | MPD             |
| Myelodysplastic syndromes    | 319        | 0.9       | 5.7                      | <b>2.9</b>   | 0.10                | 0.33                | 222        | 0.8       | 3.8                      | <b>1.8</b>   | 0.07                | 0.21                | MDS             |
| Other and unspecified        | 651        | 1.9       | 11.6                     | <b>6.9</b>   | 0.40                | 0.76                | 733        | 2.7       | 12.7                     | <b>5.7</b>   | 0.27                | 0.66                | O&U             |
| All sites                    | 33998      |           | 605.5                    | <b>372.1</b> | 19.61               | 46.05               | 27730      |           | 479.7                    | <b>271.7</b> | 16.95               | 31.48               | C00-96          |
| All sites except C44         | 33894      | 100.0     | 603.6                    | <b>371.1</b> | 19.56               | 45.94               | 27659      | 100.0     | 478.5                    | <b>271.0</b> | 16.90               | 31.42               | C00-96 exc. C44 |

§Includes 4 cases of unknown age

§Includes 1 case of unknown age





# USA, California

## REGISTRATION AREA

The California Cancer Registry (CCR) covers the state of California, with a population of more than 37 million, making it the most populous state in the USA. California is the third largest state, covering more than 155 000 square miles.

## CANCER CARE FACILITIES

California has 380 inpatient facilities throughout the state that provide cancer care. Of these, 153 are approved by the American College of Surgeons, 218 are hospitals without a cancer registry, eight are Veterans Health Administration hospitals, and one is an Indian Health Service (IHS) hospital. California also has 308 independent surgery centres and 42 independent radiation therapy centres.

## REGISTRY STRUCTURE AND METHODS

The CCR is a programme of the California Department of Public Health's Cancer Surveillance and Research Branch (CSRB), located in Sacramento, California. The CCR is a statewide population-based cancer surveillance system composed of regional registries, health care providers, registrars, and researchers. Provisions of the California Health and Safety Code mandated the establishment of a statewide system of cancer reporting. All hospitals and facilities in the state report cancer cases to the CCR electronically. Physicians who practise independently of a group also report cancer cases to the CCR – including surgeons who diagnose or treat cancer patients in their offices. The CCR also receives reports from pathology laboratories, outpatient surgery centres, and free-standing radiation facilities.

## INTERPRETING THE RESULTS

The only organized screening programme in California during 2003–2007 was the Every Woman Counts/ National Breast and Cervical Cancer Early Detection Program.

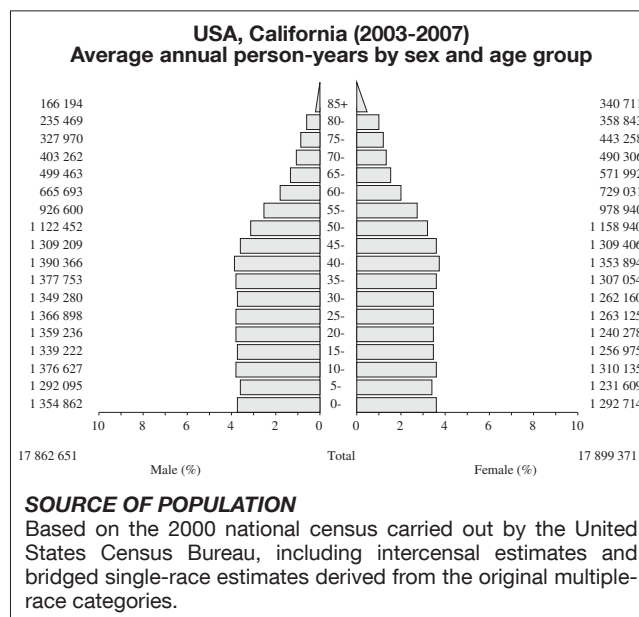
## USE OF THE DATA

The CCR monitors the incidence and mortality of specific cancers over time and analyses differential

cancer risks by geographical region, race/ethnicity, and other social characteristics. The CSRB analyses and disseminates information on cancer incidence and mortality. The system is also designed to monitor patient survival. The CCR produces an annual report on incidence and mortality, and collaborates with the American Cancer Society to produce *California Cancer Facts and Figures*. Reports are published online. The CSRB conducts and collaborates on special research projects concerning the etiology, treatment, and prevention of specific cancers. CCR data are provided to research institutions that seek to better understand the causes and control of cancer. The data are also used to address public concerns and questions. The CCR monitors the amount of cancer and cancer incidence trends by geographical area and time to detect potential problems of public health significance in occupational settings and the environment, and to assist in the investigation of such problems.

## CONTRIBUTOR

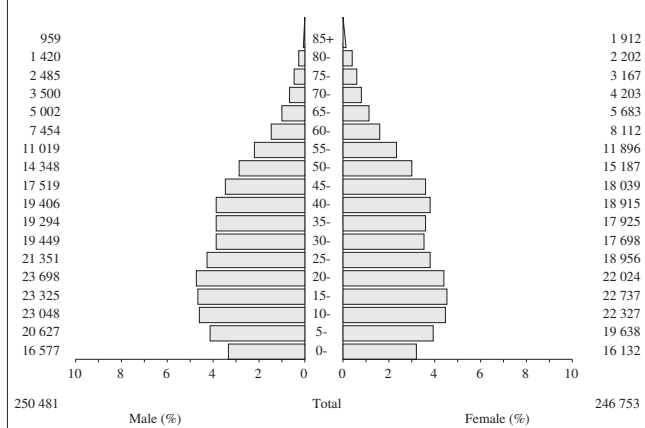
Kurt Snipes



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 100.8 | Breast                     | 86.1  |
| Trachea, bronchus and lung | 38.8  | Trachea, bronchus and lung | 29.0  |
| Colon                      | 21.1  | Colon                      | 16.8  |
| Bladder                    | 18.9  | Corpus uteri               | 15.8  |
| Melanoma of skin           | 16.7  | Melanoma of skin           | 11.2  |
| Non-Hodgkin lymphoma       | 15.0  | Thyroid                    | 11.1  |
| Kidney                     | 11.3  | Non-Hodgkin lymphoma       | 10.3  |
| Rectum                     | 10.5  | Ovary                      | 9.3   |
| Liver                      | 9.0   | Rectum                     | 6.5   |
| Pancreas                   | 7.7   | Cervix uteri               | 6.5   |
| All sites                  | 334.2 | All sites                  | 269.2 |

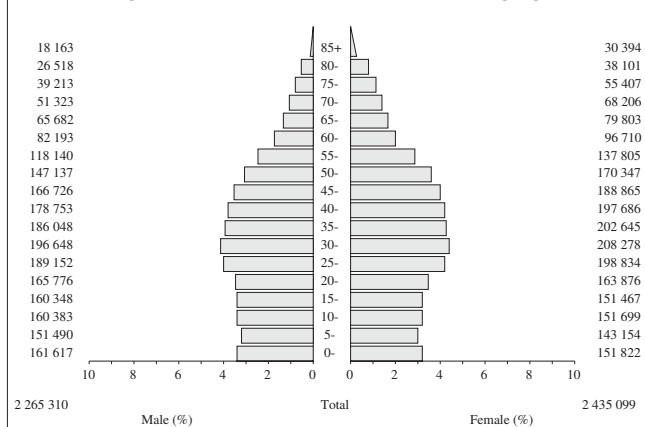
**USA, California: American Indian (2003-2007)**  
Average annual person-years by sex and age group



**USA, CALIFORNIA: AMERICAN INDIAN**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 30.3  | Breast                     | 25.8  |
| Trachea, bronchus and lung | 15.9  | Trachea, bronchus and lung | 13.2  |
| Liver                      | 8.4   | Corpus uteri               | 7.1   |
| Colon                      | 7.5   | Colon                      | 6.7   |
| Kidney                     | 6.7   | Ovary                      | 3.9   |
| Bladder                    | 5.2   | Other and unspecified      | 3.9   |
| Non-Hodgkin lymphoma       | 5.0   | Kidney                     | 3.7   |
| Rectum                     | 3.9   | Non-Hodgkin lymphoma       | 3.2   |
| Stomach                    | 3.3   | Thyroid                    | 3.1   |
| Melanoma of skin           | 3.1   | Cervix uteri               | 3.1   |
| All sites                  | 120.1 | All sites                  | 100.8 |

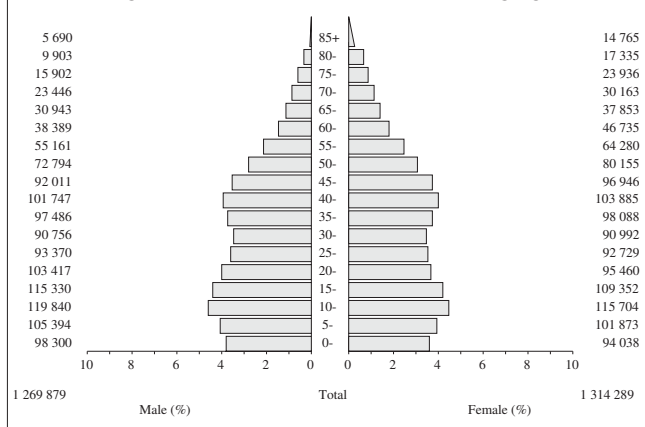
**USA, California: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, CALIFORNIA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

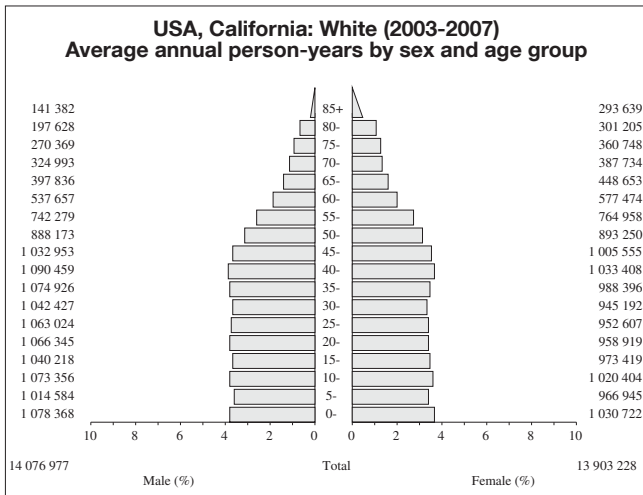
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 52.0  | Breast                     | 62.7  |
| Trachea, bronchus and lung | 30.0  | Trachea, bronchus and lung | 16.3  |
| Liver                      | 16.8  | Colon                      | 14.6  |
| Colon                      | 16.6  | Corpus uteri               | 11.9  |
| Rectum                     | 10.7  | Thyroid                    | 11.2  |
| Stomach                    | 10.0  | Non-Hodgkin lymphoma       | 7.1   |
| Non-Hodgkin lymphoma       | 9.5   | Ovary                      | 7.0   |
| Bladder                    | 7.8   | Rectum                     | 6.6   |
| Kidney                     | 5.5   | Stomach                    | 6.0   |
| Pancreas                   | 5.3   | Cervix uteri               | 5.9   |
| All sites                  | 209.9 | All sites                  | 192.7 |

**USA, California: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, CALIFORNIA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 153.3 | Breast                     | 84.5  |
| Trachea, bronchus and lung | 57.4  | Trachea, bronchus and lung | 36.7  |
| Colon                      | 29.8  | Colon                      | 24.6  |
| Kidney                     | 14.1  | Corpus uteri               | 14.0  |
| Bladder                    | 13.0  | Pancreas                   | 8.8   |
| Non-Hodgkin lymphoma       | 12.1  | Non-Hodgkin lymphoma       | 8.2   |
| Liver                      | 11.7  | Ovary                      | 7.2   |
| Rectum                     | 10.5  | Other and unspecified      | 6.9   |
| Pancreas                   | 10.2  | Rectum                     | 6.8   |
| Multiple myeloma           | 9.1   | Kidney                     | 6.4   |
| All sites                  | 398.5 | All sites                  | 268.9 |



**USA, CALIFORNIA: WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 99.0         | Breast                     | 89.4         |
| Trachea, bronchus and lung | 38.7         | Trachea, bronchus and lung | 30.5         |
| Colon                      | 20.9         | Colon                      | 16.4         |
| Bladder                    | 20.7         | Corpus uteri               | 16.4         |
| Melanoma of skin           | 19.3         | Melanoma of skin           | 13.0         |
| Non-Hodgkin lymphoma       | 15.7         | Thyroid                    | 11.3         |
| Kidney                     | 11.9         | Non-Hodgkin lymphoma       | 10.6         |
| Rectum                     | 10.3         | Ovary                      | 9.8          |
| Pancreas                   | 7.8          | Cervix uteri               | 6.7          |
| Liver                      | 7.5          | Rectum                     | 6.4          |
| <b>All sites</b>           | <b>339.2</b> | <b>All sites</b>           | <b>278.4</b> |

## USA, California (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 912        | 0.2       | 1.0                      | <b>0.8</b>   | 0.04                     | 0.09       | 326       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 3237       | 0.9       | 3.6                      | <b>3.0</b>   | 0.22                     | 0.38       | 1509      | 0.4                      | 1.7       | <b>1.2</b>               | 0.07   | 0.14  | C01-02          |
| Mouth                        | 1666       | 0.4       | 1.9                      | <b>1.5</b>   | 0.09                     | 0.18       | 1274      | 0.4                      | 1.4       | <b>0.9</b>               | 0.05   | 0.10  | C03-06          |
| Salivary glands              | 1249       | 0.3       | 1.4                      | <b>1.1</b>   | 0.06                     | 0.11       | 886       | 0.3                      | 1.0       | <b>0.7</b>               | 0.04   | 0.08  | C07-08          |
| Tonsil                       | 2147       | 0.6       | 2.4                      | <b>2.0</b>   | 0.17                     | 0.24       | 519       | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 386        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05       | 154       | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 933        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.10       | 424       | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C11             |
| Hypopharynx                  | 766        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.09       | 215       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 217        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 106       | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 4834       | 1.3       | 5.4                      | <b>4.2</b>   | 0.21                     | 0.52       | 1569      | 0.4                      | 1.8       | <b>1.0</b>               | 0.05   | 0.13  | C15             |
| Stomach                      | 7963       | 2.1       | 8.9                      | <b>6.8</b>   | 0.32                     | 0.79       | 5322      | 1.5                      | 5.9       | <b>3.6</b>               | 0.19   | 0.41  | C16             |
| Small intestine              | 1466       | 0.4       | 1.6                      | <b>1.3</b>   | 0.07                     | 0.15       | 1238      | 0.4                      | 1.4       | <b>0.9</b>               | 0.05   | 0.11  | C17             |
| Colon                        | 24868      | 6.7       | 27.8                     | <b>21.1</b>  | 0.96                     | 2.47       | 25892     | 7.4                      | 28.9      | <b>16.8</b>              | 0.80   | 1.90  | C18             |
| Rectum                       | 11784      | 3.2       | 13.2                     | <b>10.5</b>  | 0.60                     | 1.28       | 8981      | 2.6                      | 10.0      | <b>6.5</b>               | 0.39   | 0.75  | C19-20          |
| Anus                         | 1184       | 0.3       | 1.3                      | <b>1.1</b>   | 0.07                     | 0.12       | 1673      | 0.5                      | 1.9       | <b>1.3</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 9821       | 2.6       | 11.0                     | <b>9.0</b>   | 0.61                     | 1.10       | 4013      | 1.1                      | 4.5       | <b>2.9</b>               | 0.15   | 0.36  | C22             |
| Gallbladder etc.             | 2097       | 0.6       | 2.3                      | <b>1.7</b>   | 0.07                     | 0.20       | 2756      | 0.8                      | 3.1       | <b>1.8</b>               | 0.09   | 0.21  | C23-24          |
| Pancreas                     | 8998       | 2.4       | 10.1                     | <b>7.7</b>   | 0.37                     | 0.91       | 9406      | 2.7                      | 10.5      | <b>6.0</b>               | 0.27   | 0.70  | C25             |
| Nose, sinuses etc.           | 663        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.07       | 449       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 3622       | 1.0       | 4.1                      | <b>3.3</b>   | 0.18                     | 0.41       | 844       | 0.2                      | 0.9       | <b>0.7</b>               | 0.04   | 0.09  | C32             |
| Trachea, bronchus and lung   | 45376      | 12.2      | 50.8                     | <b>38.8</b>  | 1.55                     | 4.82       | 41778     | 11.9                     | 46.7      | <b>29.0</b>              | 1.27   | 3.70  | C33-34          |
| Other thoracic organs        | 501        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05       | 287       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 1003       | 0.3       | 1.1                      | <b>1.1</b>   | 0.06                     | 0.08       | 769       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 19014      | 5.1       | 21.3                     | <b>16.7</b>  | 1.02                     | 1.86       | 13574     | 3.9                      | 15.2      | <b>11.2</b>              | 0.80   | 1.16  | C43             |
| Other skin                   | 1777       |           | 2.0                      | <b>1.5</b>   | 0.07                     | 0.15       | 1396      |                          | 1.6       | <b>1.0</b>               | 0.06   | 0.10  | C44             |
| Mesothelioma                 | 1222       | 0.3       | 1.4                      | <b>1.0</b>   | 0.04                     | 0.12       | 354       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 1222       | 0.3       | 1.4                      | <b>1.1</b>   | 0.08                     | 0.10       | 92        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 3275       | 0.9       | 3.7                      | <b>3.0</b>   | 0.17                     | 0.29       | 2388      | 0.7                      | 2.7       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 740        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.08       | 106674    | 30.4                     | 119.2     | <b>86.1</b>              | 6.08   | 10.02 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 1735      | 0.5                      | 1.9       | <b>1.2</b>               | 0.07   | 0.13  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 593       | 0.2                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 7362      | 2.1                      | 8.2       | <b>6.5</b>               | 0.52   | 0.66  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 19317     | 5.5                      | 21.6      | <b>15.8</b>              | 1.14   | 1.93  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 458       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 11773     | 3.4                      | 13.2      | <b>9.3</b>               | 0.62   | 1.06  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 586       | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 92        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 561        | 0.2       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.05       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 108603     | 29.1      | 121.6                    | <b>100.8</b> | 5.01                     | 13.67      |           |                          |           |                          |        |       | C61             |
| Testis                       | 4971       | 1.3       | 5.6                      | <b>5.0</b>   | 0.37                     | 0.38       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 168        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 12365      | 3.3       | 13.8                     | <b>11.3</b>  | 0.68                     | 1.36       | 7168      | 2.0                      | 8.0       | <b>5.7</b>               | 0.34   | 0.67  | C64             |
| Renal pelvis                 | 779        | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.07       | 557       | 0.2                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 454        | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.05       | 336       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 23118      | 6.2       | 25.9                     | <b>18.9</b>  | 0.71                     | 2.17       | 7280      | 2.1                      | 8.1       | <b>4.6</b>               | 0.19   | 0.54  | C67             |
| Other urinary organs         | 252        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 120       | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 755        | 0.2       | 0.8                      | <b>0.8</b>   | 0.04                     | 0.07       | 643       | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 5948       | 1.6       | 6.7                      | <b>5.9</b>   | 0.37                     | 0.58       | 4719      | 1.3                      | 5.3       | <b>4.4</b>               | 0.27   | 0.41  | C70-72          |
| Thyroid                      | 3728       | 1.0       | 4.2                      | <b>3.5</b>   | 0.25                     | 0.38       | 11923     | 3.4                      | 13.3      | <b>11.1</b>              | 0.85   | 1.07  | C73             |
| Adrenal gland                | 237        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 251       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 172        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 90        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 2522       | 0.7       | 2.8                      | <b>2.5</b>   | 0.17                     | 0.22       | 2011      | 0.6                      | 2.2       | <b>2.0</b>               | 0.14   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 16971      | 4.6       | 19.0                     | <b>15.0</b>  | 0.84                     | 1.66       | 14058     | 4.0                      | 15.7      | <b>10.3</b>              | 0.57   | 1.16  | C82-85,C96      |
| Immunoproliferative diseases | 343        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03       | 221       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 4924       | 1.3       | 5.5                      | <b>4.3</b>   | 0.22                     | 0.51       | 3883      | 1.1                      | 4.3       | <b>2.7</b>               | 0.14   | 0.32  | C90             |
| Lymphoid leukaemia           | 5936       | 1.6       | 6.6                      | <b>6.0</b>   | 0.29                     | 0.55       | 4001      | 1.1                      | 4.5       | <b>3.6</b>               | 0.18   | 0.31  | C91             |
| Myeloid leukaemia            | 4871       | 1.3       | 5.5                      | <b>4.3</b>   | 0.22                     | 0.44       | 3957      | 1.1                      | 4.4       | <b>3.1</b>               | 0.17   | 0.30  | C92-94          |
| Leukaemia unspecified        | 397        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.02       | 349       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 1730       | 0.5       | 1.9                      | <b>1.5</b>   | 0.08                     | 0.17       | 1620      | 0.5                      | 1.8       | <b>1.2</b>               | 0.06   | 0.13  | MPD             |
| Myelodysplastic syndromes    | 3568       | 1.0       | 4.0                      | <b>2.7</b>   | 0.07                     | 0.26       | 2735      | 0.8                      | 3.1       | <b>1.6</b>               | 0.05   | 0.16  | MDS             |
| Other and unspecified        | 8028       | 2.2       | 9.0                      | <b>6.7</b>   | 0.31                     | 0.75       | 9591      | 2.7                      | 10.7      | <b>6.1</b>               | 0.28   | 0.67  | O&U             |
| All sites                    | 374344     |           | 419.1                    | <b>334.2</b> | 17.05                    | 40.29      | 352297    |                          | 393.6     | <b>269.2</b>             | 16.57  | 30.64 | C00-96          |
| All sites except C44         | 372567     | 100.0     | 417.1                    | <b>332.7</b> | 16.98                    | 40.14      | 350901    | 100.0                    | 392.1     | <b>268.2</b>             | 16.51  | 30.54 | C00-96 exc. C44 |

§Includes 145 cases of unknown age

§Includes 78 cases of unknown age

## USA, California: American Indian (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 3         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.06      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 15        | 1.1       | 1.2                      | <b>1.2</b>   | 0.09                     | 0.15      | 7         | 0.5                      | 0.6       | <b>0.6</b>               | 0.04   | 0.08  | C01-02          |
| Mouth                        | 9         | 0.7       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.07      | 5         | 0.4                      | 0.4       | <b>0.4</b>               | 0.03   | 0.08  | C03-06          |
| Salivary glands              | 4         | 0.3       | 0.3                      | <b>0.3</b>   | 0.03                     | 0.03      | 3         | 0.2                      | 0.2       | <b>0.3</b>               | 0.02   | 0.04  | C07-08          |
| Tonsil                       | 13        | 1.0       | 1.0                      | <b>1.1</b>   | 0.09                     | 0.14      | 5         | 0.4                      | 0.4       | <b>0.4</b>               | 0.02   | 0.06  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 6         | 0.5       | 0.5                      | <b>0.6</b>   | 0.02                     | 0.12      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.04      | 1         | 0.1                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 19        | 1.4       | 1.5                      | <b>1.8</b>   | 0.09                     | 0.24      | 4         | 0.3                      | 0.3       | <b>0.4</b>               | 0.02   | 0.06  | C15             |
| Stomach                      | 35        | 2.7       | 2.8                      | <b>3.3</b>   | 0.12                     | 0.47      | 20        | 1.5                      | 1.6       | <b>1.4</b>               | 0.08   | 0.14  | C16             |
| Small intestine              | 7         | 0.5       | 0.6                      | <b>0.7</b>   | 0.03                     | 0.09      | 4         | 0.3                      | 0.3       | <b>0.3</b>               | 0.01   | 0.05  | C17             |
| Colon                        | 84        | 6.4       | 6.7                      | <b>7.5</b>   | 0.37                     | 0.91      | 93        | 6.9                      | 7.5       | <b>6.7</b>               | 0.25   | 0.74  | C18             |
| Rectum                       | 41        | 3.1       | 3.3                      | <b>3.9</b>   | 0.17                     | 0.52      | 36        | 2.7                      | 2.9       | <b>2.7</b>               | 0.14   | 0.33  | C19-20          |
| Anus                         | 6         | 0.5       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 5         | 0.4                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C21             |
| Liver                        | 97        | 7.4       | 7.7                      | <b>8.4</b>   | 0.58                     | 1.11      | 26        | 1.9                      | 2.1       | <b>2.1</b>               | 0.09   | 0.24  | C22             |
| Gallbladder etc.             | 6         | 0.5       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.08      | 18        | 1.3                      | 1.5       | <b>1.4</b>               | 0.07   | 0.17  | C23-24          |
| Pancreas                     | 27        | 2.1       | 2.2                      | <b>2.6</b>   | 0.16                     | 0.32      | 36        | 2.7                      | 2.9       | <b>2.7</b>               | 0.14   | 0.32  | C25             |
| Nose, sinuses etc.           | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.04      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 14        | 1.1       | 1.1                      | <b>1.2</b>   | 0.10                     | 0.13      | 7         | 0.5                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C32             |
| Trachea, bronchus and lung   | 169       | 12.9      | 13.5                     | <b>15.9</b>  | 0.73                     | 1.99      | 176       | 13.1                     | 14.3      | <b>13.2</b>              | 0.53   | 1.56  | C33-34          |
| Other thoracic organs        | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C37-38          |
| Bone                         | 5         | 0.4       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.04      | 6         | 0.4                      | 0.5       | <b>0.5</b>               | 0.03   | 0.06  | C40-41          |
| Melanoma of skin             | 35        | 2.7       | 2.8                      | <b>3.1</b>   | 0.15                     | 0.43      | 20        | 1.5                      | 1.6       | <b>1.4</b>               | 0.10   | 0.16  | C43             |
| Other skin                   | 2         | 0.2       | 0.2                      | <b>0.1</b>   | 0.02                     | 0.02      | 4         | 0.3                      | 0.3       | <b>0.3</b>               | 0.01   | 0.06  | C44             |
| Mesothelioma                 | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 6         | 0.5       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 16        | 1.2       | 1.3                      | <b>1.5</b>   | 0.07                     | 0.15      | 5         | 0.4                      | 0.4       | <b>0.5</b>               | 0.02   | 0.07  | C47+C49         |
| Breast                       | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 343       | 25.6                     | 27.8      | <b>25.8</b>              | 1.70   | 3.15  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 4         | 0.3                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 43        | 3.2                      | 3.5       | <b>3.1</b>               | 0.25   | 0.26  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 91        | 6.8                      | 7.4       | <b>7.1</b>               | 0.43   | 0.93  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 6         | 0.4                      | 0.5       | <b>0.4</b>               | 0.02   | 0.02  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 50        | 3.7                      | 4.1       | <b>3.9</b>               | 0.25   | 0.44  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 3         | 0.2       | 0.2                      | <b>0.3</b>   | 0.03                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 313       | 23.8      | 25.0                     | <b>30.3</b>  | 1.31                     | 3.99      |           |                          |           |                          |        |       | C61             |
| Testis                       | 29        | 2.2       | 2.3                      | <b>2.0</b>   | 0.15                     | 0.15      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 75        | 5.7       | 6.0                      | <b>6.7</b>   | 0.37                     | 0.85      | 49        | 3.7                      | 4.0       | <b>3.7</b>               | 0.20   | 0.46  | C64             |
| Renal pelvis                 | 3         | 0.2       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.04      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.05  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 55        | 4.2       | 4.4                      | <b>5.2</b>   | 0.22                     | 0.68      | 21        | 1.6                      | 1.7       | <b>1.5</b>               | 0.03   | 0.18  | C67             |
| Other urinary organs         | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 6         | 0.5       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.03      | 3         | 0.2                      | 0.2       | <b>0.3</b>               | 0.03   | 0.03  | C69             |
| Brain, nervous system        | 20        | 1.5       | 1.6                      | <b>1.7</b>   | 0.09                     | 0.19      | 10        | 0.7                      | 0.8       | <b>1.0</b>               | 0.05   | 0.09  | C70-72          |
| Thyroid                      | 7         | 0.5       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.08      | 44        | 3.3                      | 3.6       | <b>3.1</b>               | 0.24   | 0.30  | C73             |
| Adrenal gland                | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 9         | 0.7       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.06      | 14        | 1.0                      | 1.1       | <b>1.0</b>               | 0.08   | 0.08  | C81             |
| Non-Hodgkin lymphoma         | 59        | 4.5       | 4.7                      | <b>5.0</b>   | 0.29                     | 0.56      | 46        | 3.4                      | 3.7       | <b>3.2</b>               | 0.17   | 0.36  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 16        | 1.2       | 1.3                      | <b>1.5</b>   | 0.08                     | 0.19      | 16        | 1.2                      | 1.3       | <b>1.2</b>               | 0.05   | 0.14  | C90             |
| Lymphoid leukaemia           | 19        | 1.4       | 1.5                      | <b>1.7</b>   | 0.08                     | 0.15      | 13        | 1.0                      | 1.1       | <b>1.0</b>               | 0.05   | 0.09  | C91             |
| Myeloid leukaemia            | 14        | 1.1       | 1.1                      | <b>1.3</b>   | 0.05                     | 0.14      | 20        | 1.5                      | 1.6       | <b>1.5</b>               | 0.07   | 0.19  | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.2                      | 0.2       | <b>0.2</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 4         | 0.3       | 0.3                      | <b>0.3</b>   | 0.03                     | 0.03      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.02  | MPD             |
| Myelodysplastic syndromes    | 13        | 1.0       | 1.0                      | <b>1.2</b>   | 0.03                     | 0.19      | 15        | 1.1                      | 1.2       | <b>1.0</b>               | 0.03   | 0.11  | MDS             |
| Other and unspecified        | 36        | 2.7       | 2.9                      | <b>3.1</b>   | 0.16                     | 0.35      | 54        | 4.0                      | 4.4       | <b>3.9</b>               | 0.21   | 0.39  | O&U             |
| All sites                    | 1315      |           | 105.0                    | <b>120.1</b> | 6.09                     | 15.00     | 1343      |                          | 108.9     | <b>100.8</b>             | 5.57   | 11.70 | C00-96          |
| All sites except C44         | 1313      | 100.0     | 104.8                    | <b>119.9</b> | 6.07                     | 14.98     | 1339      | 100.0                    | 108.5     | <b>100.4</b>             | 5.55   | 11.64 | C00-96 exc. C44 |

## USA, California: Asian and Pacific Islander (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 5          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       | 8         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 164        | 0.6       | 1.4                      | <b>1.2</b>   | 0.08                     | 0.13       | 138       | 0.4                      | 1.1       | <b>0.8</b>               | 0.05   | 0.10  | C01-02          |
| Mouth                        | 90         | 0.3       | 0.8                      | <b>0.7</b>   | 0.03                     | 0.08       | 109       | 0.3                      | 0.9       | <b>0.6</b>               | 0.03   | 0.06  | C03-06          |
| Salivary glands              | 103        | 0.3       | 0.9                      | <b>0.8</b>   | 0.05                     | 0.08       | 112       | 0.3                      | 0.9       | <b>0.7</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 86         | 0.3       | 0.8                      | <b>0.6</b>   | 0.05                     | 0.08       | 28        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C09             |
| Other oropharynx             | 18         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       | 6         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 474        | 1.6       | 4.2                      | <b>3.4</b>   | 0.27                     | 0.37       | 223       | 0.7                      | 1.8       | <b>1.4</b>               | 0.10   | 0.14  | C11             |
| Hypopharynx                  | 45         | 0.2       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03       | 5         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 8          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01       | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 298        | 1.0       | 2.6                      | <b>2.0</b>   | 0.10                     | 0.22       | 105       | 0.3                      | 0.9       | <b>0.5</b>               | 0.02   | 0.05  | C15             |
| Stomach                      | 1490       | 5.0       | 13.2                     | <b>10.0</b>  | 0.42                     | 1.11       | 1146      | 3.5                      | 9.4       | <b>6.0</b>               | 0.29   | 0.67  | C16             |
| Small intestine              | 107        | 0.4       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.08       | 71        | 0.2                      | 0.6       | <b>0.4</b>               | 0.02   | 0.05  | C17             |
| Colon                        | 2429       | 8.2       | 21.4                     | <b>16.6</b>  | 0.74                     | 1.92       | 2751      | 8.3                      | 22.6      | <b>14.6</b>              | 0.72   | 1.67  | C18             |
| Rectum                       | 1489       | 5.0       | 13.1                     | <b>10.7</b>  | 0.62                     | 1.31       | 1180      | 3.6                      | 9.7       | <b>6.6</b>               | 0.42   | 0.75  | C19-20          |
| Anus                         | 48         | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 66        | 0.2                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C21             |
| Liver                        | 2313       | 7.8       | 20.4                     | <b>16.8</b>  | 1.02                     | 2.10       | 1014      | 3.1                      | 8.3       | <b>5.5</b>               | 0.22   | 0.69  | C22             |
| Gallbladder etc.             | 312        | 1.1       | 2.8                      | <b>2.1</b>   | 0.09                     | 0.25       | 392       | 1.2                      | 3.2       | <b>2.0</b>               | 0.09   | 0.22  | C23-24          |
| Pancreas                     | 788        | 2.7       | 7.0                      | <b>5.3</b>   | 0.25                     | 0.59       | 875       | 2.6                      | 7.2       | <b>4.5</b>               | 0.18   | 0.52  | C25             |
| Nose, sinuses etc.           | 80         | 0.3       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06       | 40        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C30-31          |
| Larynx                       | 185        | 0.6       | 1.6                      | <b>1.3</b>   | 0.07                     | 0.15       | 27        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C32             |
| Trachea, bronchus and lung   | 4421       | 15.0      | 39.0                     | <b>30.0</b>  | 1.19                     | 3.58       | 3084      | 9.3                      | 25.3      | <b>16.3</b>              | 0.76   | 1.96  | C33-34          |
| Other thoracic organs        | 79         | 0.3       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06       | 47        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 73         | 0.2       | 0.6                      | <b>0.7</b>   | 0.04                     | 0.05       | 69        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.04  | C40-41          |
| Melanoma of skin             | 116        | 0.4       | 1.0                      | <b>0.8</b>   | 0.05                     | 0.10       | 130       | 0.4                      | 1.1       | <b>0.8</b>               | 0.05   | 0.08  | C43             |
| Other skin                   | 76         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       | 103       | 0.3                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 44         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.04       | 18        | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 36         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 4         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 214        | 0.7       | 1.9                      | <b>1.7</b>   | 0.09                     | 0.15       | 222       | 0.7                      | 1.8       | <b>1.4</b>               | 0.08   | 0.13  | C47+C49         |
| Breast                       | 47         | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 10334     | 31.2                     | 84.9      | <b>62.7</b>              | 4.80   | 7.11  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 90        | 0.3                      | 0.7       | <b>0.5</b>               | 0.02   | 0.06  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 47        | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.04  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 972       | 2.9                      | 8.0       | <b>5.9</b>               | 0.46   | 0.62  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 1937      | 5.9                      | 15.9      | <b>11.9</b>              | 0.96   | 1.38  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 43        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 1157      | 3.5                      | 9.5       | <b>7.0</b>               | 0.51   | 0.74  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 47        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 15        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 31         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 7119       | 24.1      | 62.9                     | <b>52.0</b>  | 2.03                     | 7.18       |           |                          |           |                          |        |       | C61             |
| Testis                       | 168        | 0.6       | 1.5                      | <b>1.3</b>   | 0.09                     | 0.10       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 25         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 754        | 2.6       | 6.7                      | <b>5.5</b>   | 0.32                     | 0.66       | 458       | 1.4                      | 3.8       | <b>2.7</b>               | 0.15   | 0.32  | C64             |
| Renal pelvis                 | 60         | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05       | 60        | 0.2                      | 0.5       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 52         | 0.2       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.05       | 42        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 1183       | 4.0       | 10.4                     | <b>7.8</b>   | 0.29                     | 0.88       | 389       | 1.2                      | 3.2       | <b>1.9</b>               | 0.07   | 0.21  | C67             |
| Other urinary organs         | 24         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 31         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.02       | 31        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 386        | 1.3       | 3.4                      | <b>3.2</b>   | 0.20                     | 0.29       | 330       | 1.0                      | 2.7       | <b>2.4</b>               | 0.13   | 0.21  | C70-72          |
| Thyroid                      | 413        | 1.4       | 3.6                      | <b>3.0</b>   | 0.20                     | 0.33       | 1758      | 5.3                      | 14.4      | <b>11.2</b>              | 0.86   | 1.12  | C73             |
| Adrenal gland                | 18         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 26        | 0.1                      | 0.2       | <b>0.3</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 18         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 15        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 134        | 0.5       | 1.2                      | <b>1.2</b>   | 0.07                     | 0.09       | 103       | 0.3                      | 0.8       | <b>0.8</b>               | 0.05   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 1339       | 4.5       | 11.8                     | <b>9.5</b>   | 0.49                     | 1.04       | 1243      | 3.8                      | 10.2      | <b>7.1</b>               | 0.40   | 0.78  | C82-85,C96      |
| Immunoproliferative diseases | 17         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.02       | 11        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 325        | 1.1       | 2.9                      | <b>2.2</b>   | 0.11                     | 0.26       | 298       | 0.9                      | 2.4       | <b>1.6</b>               | 0.08   | 0.19  | C90             |
| Lymphoid leukaemia           | 258        | 0.9       | 2.3                      | <b>2.4</b>   | 0.13                     | 0.18       | 172       | 0.5                      | 1.4       | <b>1.5</b>               | 0.08   | 0.11  | C91             |
| Myeloid leukaemia            | 470        | 1.6       | 4.1                      | <b>3.4</b>   | 0.18                     | 0.32       | 387       | 1.2                      | 3.2       | <b>2.4</b>               | 0.14   | 0.24  | C92-94          |
| Leukaemia unspecified        | 20         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01       | 24        | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 170        | 0.6       | 1.5                      | <b>1.2</b>   | 0.07                     | 0.14       | 177       | 0.5                      | 1.5       | <b>1.0</b>               | 0.06   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 313        | 1.1       | 2.8                      | <b>1.9</b>   | 0.05                     | 0.18       | 279       | 0.8                      | 2.3       | <b>1.3</b>               | 0.04   | 0.13  | MDS             |
| Other and unspecified        | 623        | 2.1       | 5.5                      | <b>4.2</b>   | 0.19                     | 0.48       | 741       | 2.2                      | 6.1       | <b>3.8</b>               | 0.17   | 0.40  | O&U             |
| All sites                    | 29589      |           | 261.2                    | <b>209.9</b> | 9.90                     | 25.07      | 33173     |                          | 272.5     | <b>192.7</b>             | 12.34  | 21.44 | C00-96          |
| All sites except C44         | 29513      | 100.0     | 260.6                    | <b>209.3</b> | 9.87                     | 25.01      | 33070     | 100.0                    | 271.6     | <b>192.1</b>             | 12.30  | 21.39 | C00-96 exc. C44 |

§Includes 5 cases of unknown age

§Includes 2 cases of unknown age

## USA, California: Black (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 9          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.02      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 144        | 0.6       | 2.3                      | <b>2.3</b>   | 0.16                     | 0.31      | 77        | 0.4                      | 1.2       | <b>1.0</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 116        | 0.5       | 1.8                      | <b>1.8</b>   | 0.12                     | 0.21      | 82        | 0.4                      | 1.2       | <b>1.0</b>               | 0.05   | 0.11  | C03-06          |
| Salivary glands              | 62         | 0.3       | 1.0                      | <b>1.0</b>   | 0.05                     | 0.11      | 52        | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 150        | 0.6       | 2.4                      | <b>2.3</b>   | 0.18                     | 0.28      | 37        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 38         | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 18        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 57         | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.09      | 25        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 76         | 0.3       | 1.2                      | <b>1.2</b>   | 0.08                     | 0.16      | 19        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 18         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 13        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 264        | 1.1       | 4.2                      | <b>4.2</b>   | 0.22                     | 0.47      | 132       | 0.6                      | 2.0       | <b>1.6</b>               | 0.09   | 0.20  | C15             |
| Stomach                      | 578        | 2.3       | 9.1                      | <b>9.0</b>   | 0.37                     | 1.02      | 415       | 1.9                      | 6.3       | <b>4.6</b>               | 0.21   | 0.51  | C16             |
| Small intestine              | 146        | 0.6       | 2.3                      | <b>2.3</b>   | 0.15                     | 0.29      | 153       | 0.7                      | 2.3       | <b>1.9</b>               | 0.12   | 0.23  | C17             |
| Colon                        | 1877       | 7.6       | 29.6                     | <b>29.8</b>  | 1.50                     | 3.62      | 2124      | 9.7                      | 32.3      | <b>24.6</b>              | 1.29   | 2.87  | C18             |
| Rectum                       | 673        | 2.7       | 10.6                     | <b>10.5</b>  | 0.63                     | 1.26      | 576       | 2.6                      | 8.8       | <b>6.8</b>               | 0.39   | 0.81  | C19-20          |
| Anus                         | 87         | 0.4       | 1.4                      | <b>1.2</b>   | 0.09                     | 0.13      | 105       | 0.5                      | 1.6       | <b>1.3</b>               | 0.09   | 0.16  | C21             |
| Liver                        | 744        | 3.0       | 11.7                     | <b>11.7</b>  | 0.87                     | 1.43      | 284       | 1.3                      | 4.3       | <b>3.5</b>               | 0.23   | 0.42  | C22             |
| Gallbladder etc.             | 113        | 0.5       | 1.8                      | <b>1.8</b>   | 0.08                     | 0.21      | 151       | 0.7                      | 2.3       | <b>1.8</b>               | 0.10   | 0.22  | C23-24          |
| Pancreas                     | 645        | 2.6       | 10.2                     | <b>10.2</b>  | 0.56                     | 1.25      | 791       | 3.6                      | 12.0      | <b>8.8</b>               | 0.41   | 0.99  | C25             |
| Nose, sinuses etc.           | 41         | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.06      | 22        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 330        | 1.3       | 5.2                      | <b>5.3</b>   | 0.32                     | 0.72      | 99        | 0.5                      | 1.5       | <b>1.3</b>               | 0.08   | 0.17  | C32             |
| Trachea, bronchus and lung   | 3585       | 14.5      | 56.5                     | <b>57.4</b>  | 2.81                     | 7.25      | 3015      | 13.8                     | 45.9      | <b>36.7</b>              | 1.95   | 4.63  | C33-34          |
| Other thoracic organs        | 28         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 29        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C37-38          |
| Bone                         | 50         | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.06      | 45        | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.05  | C40-41          |
| Melanoma of skin             | 45         | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.09      | 56        | 0.3                      | 0.9       | <b>0.7</b>               | 0.04   | 0.08  | C43             |
| Other skin                   | 62         | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.10      | 87        | 0.4                      | 1.3       | <b>1.1</b>               | 0.08   | 0.11  | C44             |
| Mesothelioma                 | 44         | 0.2       | 0.7                      | <b>0.7</b>   | 0.02                     | 0.08      | 13        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 149        | 0.6       | 2.3                      | <b>2.0</b>   | 0.17                     | 0.17      | 15        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C46             |
| Connective and soft tissue   | 175        | 0.7       | 2.8                      | <b>2.6</b>   | 0.17                     | 0.23      | 155       | 0.7                      | 2.4       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 56         | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.12      | 6764      | 31.0                     | 102.9     | <b>84.5</b>              | 6.06   | 9.64  | C50             |
| Vulva                        |            |           |                          |              |                          |           | 95        | 0.4                      | 1.4       | <b>1.1</b>               | 0.08   | 0.12  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 52        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 440       | 2.0                      | 6.7       | <b>5.7</b>               | 0.44   | 0.59  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 1068      | 4.9                      | 16.3      | <b>14.0</b>              | 0.95   | 1.79  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 43        | 0.2                      | 0.7       | <b>0.6</b>               | 0.03   | 0.07  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 572       | 2.6                      | 8.7       | <b>7.2</b>               | 0.47   | 0.84  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 27        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 35         | 0.1       | 0.6                      | <b>0.6</b>   | 0.02                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 9245       | 37.3      | 145.6                    | <b>153.3</b> | 9.17                     | 20.45     |           |                          |           |                          |        |       | C61             |
| Testis                       | 83         | 0.3       | 1.3                      | <b>1.2</b>   | 0.09                     | 0.09      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 11         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 885        | 3.6       | 13.9                     | <b>14.1</b>  | 0.86                     | 1.74      | 506       | 2.3                      | 7.7       | <b>6.4</b>               | 0.38   | 0.73  | C64             |
| Renal pelvis                 | 30         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.06      | 19        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 13         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 16        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 834        | 3.4       | 13.1                     | <b>13.0</b>  | 0.53                     | 1.53      | 387       | 1.8                      | 5.9       | <b>4.3</b>               | 0.16   | 0.50  | C67             |
| Other urinary organs         | 21         | 0.1       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.04      | 20        | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.03  | C68             |
| Eye                          | 16         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 8         | 0.0                      | 0.1       | <b>0.2</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 235        | 0.9       | 3.7                      | <b>3.7</b>   | 0.22                     | 0.39      | 203       | 0.9                      | 3.1       | <b>2.9</b>               | 0.18   | 0.27  | C70-72          |
| Thyroid                      | 142        | 0.6       | 2.2                      | <b>2.1</b>   | 0.15                     | 0.23      | 481       | 2.2                      | 7.3       | <b>6.4</b>               | 0.48   | 0.67  | C73             |
| Adrenal gland                | 26         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.03      | 12        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 6          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 13        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 169        | 0.7       | 2.7                      | <b>2.5</b>   | 0.17                     | 0.20      | 141       | 0.6                      | 2.1       | <b>2.0</b>               | 0.14   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 798        | 3.2       | 12.6                     | <b>12.1</b>  | 0.82                     | 1.35      | 655       | 3.0                      | 10.0      | <b>8.2</b>               | 0.51   | 0.95  | C82-85,C96      |
| Immunoproliferative diseases | 13         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 571        | 2.3       | 9.0                      | <b>9.1</b>   | 0.51                     | 1.13      | 530       | 2.4                      | 8.1       | <b>6.3</b>               | 0.32   | 0.76  | C90             |
| Lymphoid leukaemia           | 262        | 1.1       | 4.1                      | <b>4.3</b>   | 0.21                     | 0.41      | 175       | 0.8                      | 2.7       | <b>2.4</b>               | 0.12   | 0.25  | C91             |
| Myeloid leukaemia            | 252        | 1.0       | 4.0                      | <b>3.9</b>   | 0.19                     | 0.42      | 239       | 1.1                      | 3.6       | <b>2.9</b>               | 0.17   | 0.29  | C92-94          |
| Leukaemia unspecified        | 23         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 11        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 99         | 0.4       | 1.6                      | <b>1.5</b>   | 0.09                     | 0.16      | 87        | 0.4                      | 1.3       | <b>1.1</b>               | 0.07   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 152        | 0.6       | 2.4                      | <b>2.4</b>   | 0.09                     | 0.26      | 133       | 0.6                      | 2.0       | <b>1.5</b>               | 0.07   | 0.16  | MDS             |
| Other and unspecified        | 555        | 2.2       | 8.7                      | <b>8.8</b>   | 0.48                     | 1.06      | 614       | 2.8                      | 9.3       | <b>6.9</b>               | 0.38   | 0.73  | O&U             |
| All sites                    | 24838      |           | 391.2                    | <b>398.5</b> | 22.68                    | 49.63     | 21916     |                          | 333.5     | <b>268.9</b>             | 16.72  | 31.11 | C00-96          |
| All sites except C44         | 24776      | 100.0     | 390.2                    | <b>397.6</b> | 22.62                    | 49.54     | 21829     | 100.0                    | 332.2     | <b>267.8</b>             | 16.63  | 31.00 | C00-96 exc. C44 |

§Includes 3 cases of unknown age

## USA, California: White (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 862        | 0.3       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.10       | 299       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C00             |
| Tongue                       | 2854       | 0.9       | 4.1                      | <b>3.3</b>   | 0.24                     | 0.41       | 1255      | 0.4                      | 1.8       | <b>1.2</b>               | 0.08   | 0.14  | C01-02          |
| Mouth                        | 1398       | 0.5       | 2.0                      | <b>1.6</b>   | 0.09                     | 0.19       | 1038      | 0.4                      | 1.5       | <b>0.9</b>               | 0.05   | 0.11  | C03-06          |
| Salivary glands              | 1051       | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.12       | 706       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.08  | C07-08          |
| Tonsil                       | 1865       | 0.6       | 2.6                      | <b>2.2</b>   | 0.19                     | 0.26       | 442       | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 327        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05       | 128       | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 388        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05       | 167       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 634        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.10       | 185       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 185        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03       | 90        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 4196       | 1.4       | 6.0                      | <b>4.6</b>   | 0.23                     | 0.56       | 1305      | 0.5                      | 1.9       | <b>1.1</b>               | 0.05   | 0.13  | C15             |
| Stomach                      | 5764       | 1.9       | 8.2                      | <b>6.1</b>   | 0.30                     | 0.71       | 3661      | 1.3                      | 5.3       | <b>3.1</b>               | 0.17   | 0.35  | C16             |
| Small intestine              | 1176       | 0.4       | 1.7                      | <b>1.3</b>   | 0.07                     | 0.15       | 995       | 0.3                      | 1.4       | <b>0.9</b>               | 0.05   | 0.11  | C17             |
| Colon                        | 20136      | 6.6       | 28.6                     | <b>20.9</b>  | 0.95                     | 2.44       | 20662     | 7.2                      | 29.7      | <b>16.4</b>              | 0.76   | 1.85  | C18             |
| Rectum                       | 9344       | 3.1       | 13.3                     | <b>10.3</b>  | 0.58                     | 1.26       | 7018      | 2.4                      | 10.1      | <b>6.4</b>               | 0.38   | 0.74  | C19-20          |
| Anus                         | 1028       | 0.3       | 1.5                      | <b>1.1</b>   | 0.08                     | 0.13       | 1481      | 0.5                      | 2.1       | <b>1.5</b>               | 0.10   | 0.17  | C21             |
| Liver                        | 6581       | 2.2       | 9.4                      | <b>7.5</b>   | 0.52                     | 0.90       | 2651      | 0.9                      | 3.8       | <b>2.4</b>               | 0.12   | 0.29  | C22             |
| Gallbladder etc.             | 1635       | 0.5       | 2.3                      | <b>1.7</b>   | 0.07                     | 0.19       | 2162      | 0.7                      | 3.1       | <b>1.7</b>               | 0.08   | 0.20  | C23-24          |
| Pancreas                     | 7447       | 2.4       | 10.6                     | <b>7.8</b>   | 0.37                     | 0.93       | 7634      | 2.6                      | 11.0      | <b>6.1</b>               | 0.27   | 0.70  | C25             |
| Nose, sinuses etc.           | 523        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.07       | 378       | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 3036       | 1.0       | 4.3                      | <b>3.4</b>   | 0.18                     | 0.43       | 707       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.09  | C32             |
| Trachea, bronchus and lung   | 36900      | 12.1      | 52.4                     | <b>38.7</b>  | 1.51                     | 4.83       | 35265     | 12.2                     | 50.7      | <b>30.5</b>              | 1.30   | 3.92  | C33-34          |
| Other thoracic organs        | 383        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.04       | 207       | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 857        | 0.3       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.09       | 631       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 17700      | 5.8       | 25.1                     | <b>19.3</b>  | 1.18                     | 2.16       | 12314     | 4.3                      | 17.7      | <b>13.0</b>              | 0.93   | 1.36  | C43             |
| Other skin                   | 1506       | 0.5       | 2.1                      | <b>1.5</b>   | 0.07                     | 0.15       | 1081      | 0.4                      | 1.6       | <b>1.0</b>               | 0.06   | 0.10  | C44             |
| Mesothelioma                 | 1121       | 0.4       | 1.6                      | <b>1.1</b>   | 0.04                     | 0.13       | 321       | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 970        | 0.3       | 1.4                      | <b>1.1</b>   | 0.08                     | 0.10       | 64        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 2764       | 0.9       | 3.9                      | <b>3.1</b>   | 0.17                     | 0.31       | 1941      | 0.7                      | 2.8       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 617        | 0.2       | 0.9                      | <b>0.7</b>   | 0.03                     | 0.08       | 87622     | 30.4                     | 126.0     | <b>89.4</b>              | 6.26   | 10.48 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 1508      | 0.5                      | 2.2       | <b>1.3</b>               | 0.08   | 0.14  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 476       | 0.2                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 5771      | 2.0                      | 8.3       | <b>6.7</b>               | 0.53   | 0.66  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 15940     | 5.5                      | 22.9      | <b>16.4</b>              | 1.17   | 2.02  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 361       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 9845      | 3.4                      | 14.2      | <b>9.8</b>               | 0.65   | 1.13  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 499       | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 70        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 477        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 85989      | 28.1      | 122.2                    | <b>99.0</b>  | 4.97                     | 13.50      |           |                          |           |                          |        |       | C61             |
| Testis                       | 4542       | 1.5       | 6.5                      | <b>5.9</b>   | 0.43                     | 0.45       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 119        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 10496      | 3.4       | 14.9                     | <b>11.9</b>  | 0.72                     | 1.44       | 6085      | 2.1                      | 8.8       | <b>6.1</b>               | 0.37   | 0.72  | C64             |
| Renal pelvis                 | 679        | 0.2       | 1.0                      | <b>0.7</b>   | 0.03                     | 0.08       | 474       | 0.2                      | 0.7       | <b>0.4</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 388        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.05       | 275       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 20592      | 6.7       | 29.3                     | <b>20.7</b>  | 0.78                     | 2.38       | 6341      | 2.2                      | 9.1       | <b>5.0</b>               | 0.22   | 0.59  | C67             |
| Other urinary organs         | 190        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 82        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 669        | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                     | 0.08       | 575       | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.07  | C69             |
| Brain, nervous system        | 5236       | 1.7       | 7.4                      | <b>6.5</b>   | 0.41                     | 0.64       | 4107      | 1.4                      | 5.9       | <b>4.8</b>               | 0.30   | 0.46  | C70-72          |
| Thyroid                      | 3089       | 1.0       | 4.4                      | <b>3.6</b>   | 0.26                     | 0.40       | 9399      | 3.3                      | 13.5      | <b>11.3</b>              | 0.87   | 1.09  | C73             |
| Adrenal gland                | 185        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 206       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 144        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 61        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 2143       | 0.7       | 3.0                      | <b>2.7</b>   | 0.19                     | 0.24       | 1707      | 0.6                      | 2.5       | <b>2.2</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 14313      | 4.7       | 20.3                     | <b>15.7</b>  | 0.88                     | 1.73       | 11671     | 4.0                      | 16.8      | <b>10.6</b>              | 0.58   | 1.20  | C82-85,C96      |
| Immunoproliferative diseases | 300        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03       | 193       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 3898       | 1.3       | 5.5                      | <b>4.1</b>   | 0.21                     | 0.49       | 2961      | 1.0                      | 4.3       | <b>2.5</b>               | 0.13   | 0.30  | C90             |
| Lymphoid leukaemia           | 5127       | 1.7       | 7.3                      | <b>6.4</b>   | 0.31                     | 0.59       | 3465      | 1.2                      | 5.0       | <b>3.9</b>               | 0.20   | 0.34  | C91             |
| Myeloid leukaemia            | 4041       | 1.3       | 5.7                      | <b>4.5</b>   | 0.22                     | 0.46       | 3239      | 1.1                      | 4.7       | <b>3.1</b>               | 0.17   | 0.31  | C92-94          |
| Leukaemia unspecified        | 349        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.02       | 303       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 1369       | 0.4       | 1.9                      | <b>1.5</b>   | 0.08                     | 0.17       | 1267      | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.13  | MPD             |
| Myelodysplastic syndromes    | 2981       | 1.0       | 4.2                      | <b>2.7</b>   | 0.07                     | 0.26       | 2213      | 0.8                      | 3.2       | <b>1.6</b>               | 0.05   | 0.16  | MDS             |
| Other and unspecified        | 6692       | 2.2       | 9.5                      | <b>6.8</b>   | 0.32                     | 0.76       | 8059      | 2.8                      | 11.6      | <b>6.3</b>               | 0.29   | 0.70  | O&U             |
| All sites                    | 307256     |           | 436.5                    | <b>339.2</b> | 17.31                    | 40.85      | 289563    |                          | 416.5     | <b>278.4</b>             | 17.05  | 31.79 | C00-96          |
| All sites except C44         | 305750     | 100.0     | 434.4                    | <b>337.7</b> | 17.24                    | 40.70      | 288482    | 100.0                    | 415.0     | <b>277.4</b>             | 16.99  | 31.70 | C00-96 exc. C44 |

§Includes 26 cases of unknown age

§Includes 17 cases of unknown age



# USA, California, Los Angeles County

## REGISTRATION AREA

The Cancer Surveillance Program (CSP) of Los Angeles County covers Los Angeles County, an urban area of more than 10 000 km<sup>2</sup>. With a population of nearly 10 million, Los Angeles County is the most populous county in the USA. It is characterized by its population diversity (in terms of race/ethnicity, immigration, culture, religion, and socioeconomic status) as well as its geographical diversity.

## CANCER CARE FACILITIES

Los Angeles County has more than 100 hospitals and clinics, many of which provide advanced treatment and screening programmes.

## REGISTRY STRUCTURE AND METHODS

The CSP of Los Angeles County was started at the University of Southern California, with complete population-based incidence coverage beginning in 1972. In 1987, the CSP became one of the 10 regional registries of the population-based California Cancer Registry. The CSP joined the National Cancer Institute's SEER Program in 1992. The registry uses active and passive surveillance. The active surveillance component consists of CSP personnel systematically screening pathology reports and other files at all hospitals and free-standing pathology laboratories (and some treatment facilities) to obtain pathology reports for all cancer patients diagnosed or treated. The passive surveillance component consists of each reporting facility completing a full abstract including stage and treatment information on every cancer patient diagnosed and/or treated at the facility. For each cancer patient, more than 200 data items (including disease or medical variables, demographics, and administrative descriptors) are coded and computerized. Before the CSP joined the SEER Program, record linkage with state of California death tapes was the only means of passive follow-up used by the registry. As a SEER registry, the CSP now collects follow-up data by record linkages with multiple sources and incorporates active follow-up information provided by hospitals.

## INTERPRETING THE RESULTS

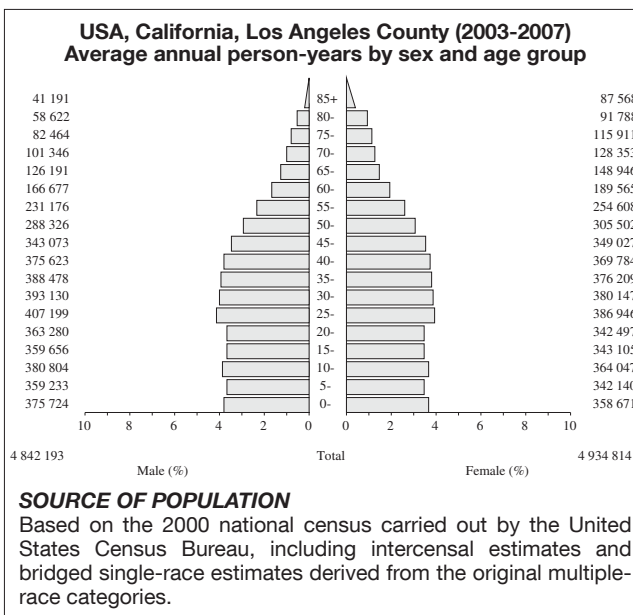
Screening programmes for breast, cervical, prostate, and colorectal cancers are widely available through health care systems and providers across Los Angeles County. Many government programmes and non-profit organizations offer free or low-cost cancer screening services for low- or no-income residents, the uninsured and underinsured, and those without a physician. However, the rates of screening access and use vary by socioeconomic level, race/ethnicity, health insurance availability, and cancer type. The overall screening rate has been increasing over time.

## USE OF THE DATA

The CSP makes many scientific contributions towards understanding the demographic patterns and etiology of specific cancers.

## CONTRIBUTORS

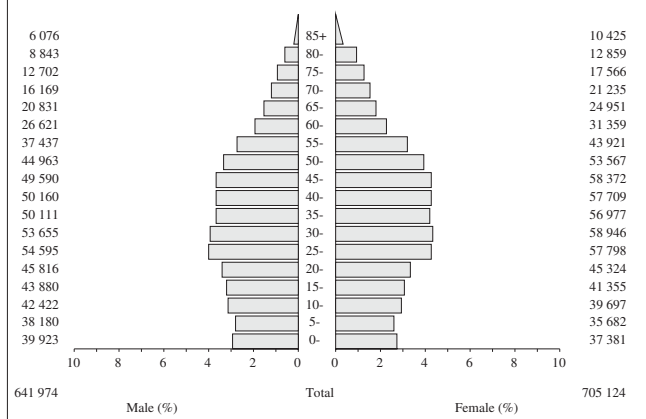
Dennis Deapen  
Lihua Liu  
Donna Morrell



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 97.7  | Breast                     | 82.8  |
| Trachea, bronchus and lung | 35.1  | Trachea, bronchus and lung | 24.0  |
| Colon                      | 22.0  | Colon                      | 17.6  |
| Bladder                    | 17.3  | Corpus uteri               | 16.5  |
| Non-Hodgkin lymphoma       | 14.3  | Thyroid                    | 11.8  |
| Melanoma of skin           | 12.3  | Non-Hodgkin lymphoma       | 10.1  |
| Kidney                     | 10.6  | Ovary                      | 9.4   |
| Rectum                     | 10.6  | Cervix uteri               | 8.0   |
| Liver                      | 9.4   | Melanoma of skin           | 7.5   |
| Stomach                    | 8.4   | Rectum                     | 6.6   |
| All sites                  | 320.9 | All sites                  | 261.2 |

**USA, California, Los Angeles County: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group

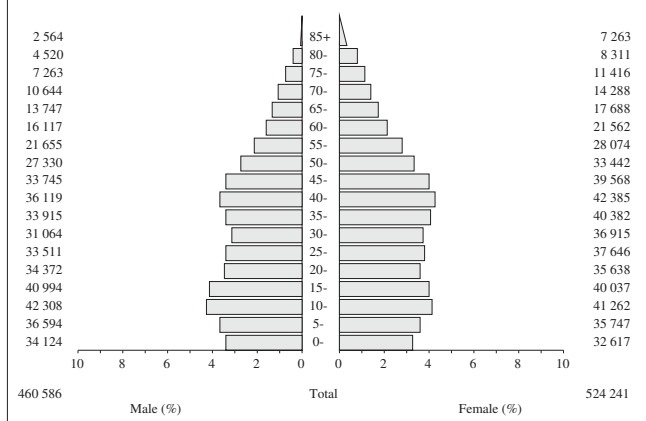


NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 57.0  | Breast                     | 71.3  |
| Trachea, bronchus and lung | 30.9  | Colon                      | 16.0  |
| Colon                      | 19.4  | Trachea, bronchus and lung | 15.7  |
| Liver                      | 17.0  | Corpus uteri               | 13.6  |
| Stomach                    | 13.7  | Thyroid                    | 12.9  |
| Rectum                     | 12.7  | Ovary                      | 7.7   |
| Bladder                    | 10.1  | Stomach                    | 7.6   |
| Non-Hodgkin lymphoma       | 9.7   | Rectum                     | 7.4   |
| Pancreas                   | 6.5   | Non-Hodgkin lymphoma       | 7.4   |
| Kidney                     | 5.8   | Cervix uteri               | 7.2   |
| All sites                  | 233.7 | All sites                  | 212.1 |

**USA, California, Los Angeles County: Black (2003-2007)**  
Average annual person-years by sex and age group

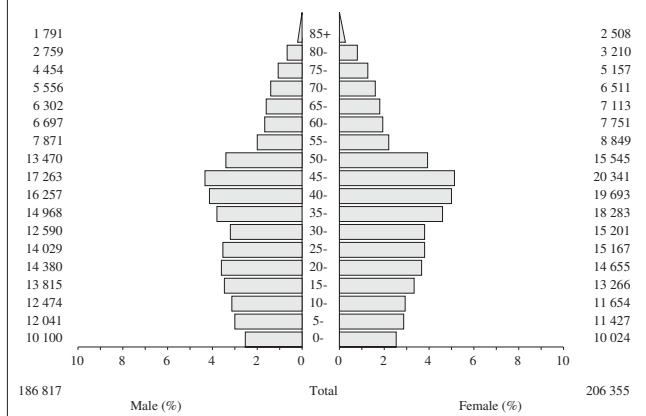


NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 149.2 | Breast                     | 86.0  |
| Trachea, bronchus and lung | 59.1  | Trachea, bronchus and lung | 35.8  |
| Colon                      | 32.1  | Colon                      | 26.0  |
| Bladder                    | 12.9  | Corpus uteri               | 14.9  |
| Non-Hodgkin lymphoma       | 12.2  | Pancreas                   | 8.5   |
| Kidney                     | 12.0  | Non-Hodgkin lymphoma       | 8.4   |
| Rectum                     | 11.8  | Ovary                      | 7.6   |
| Liver                      | 10.2  | Thyroid                    | 7.1   |
| Pancreas                   | 9.6   | Rectum                     | 7.1   |
| Multiple myeloma           | 9.5   | Multiple myeloma           | 6.8   |
| All sites                  | 398.3 | All sites                  | 274.3 |

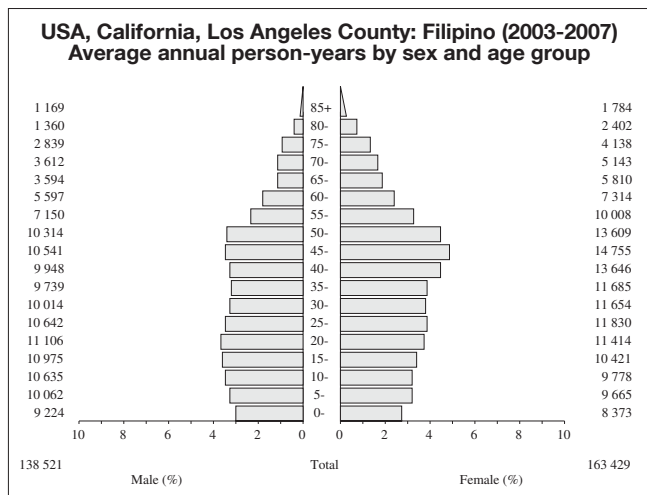
**USA, California, Los Angeles County: Chinese (2003-2007)**  
Average annual person-years by sex and age group



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: CHINESE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

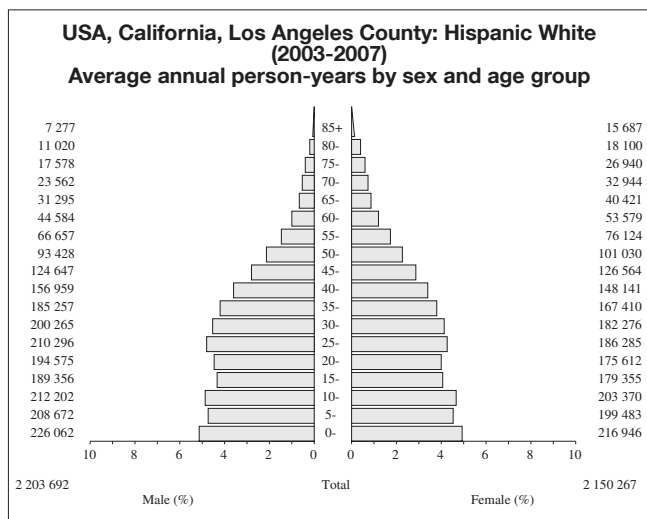
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 51.6  | Breast                     | 58.9  |
| Trachea, bronchus and lung | 31.4  | Trachea, bronchus and lung | 19.0  |
| Colon                      | 19.0  | Colon                      | 16.7  |
| Liver                      | 18.4  | Corpus uteri               | 10.3  |
| Rectum                     | 11.6  | Thyroid                    | 9.1   |
| Bladder                    | 10.3  | Rectum                     | 7.1   |
| Stomach                    | 9.9   | Ovary                      | 7.0   |
| Non-Hodgkin lymphoma       | 9.3   | Stomach                    | 6.5   |
| Nasopharynx                | 5.9   | Liver                      | 6.0   |
| Pancreas                   | 5.4   | Non-Hodgkin lymphoma       | 5.6   |
| All sites                  | 221.9 | All sites                  | 188.6 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: FILIPINO**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

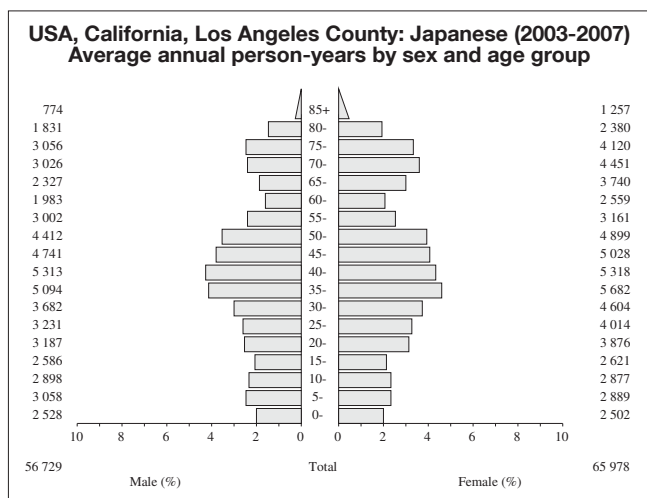
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 90.7  | Breast                     | 100.0 |
| Trachea, bronchus and lung | 40.1  | Corpus uteri               | 21.6  |
| Colon                      | 18.5  | Thyroid                    | 21.4  |
| Liver                      | 14.8  | Trachea, bronchus and lung | 15.8  |
| Rectum                     | 13.7  | Colon                      | 15.2  |
| Non-Hodgkin lymphoma       | 13.6  | Non-Hodgkin lymphoma       | 10.6  |
| Kidney                     | 9.7   | Ovary                      | 9.1   |
| Bladder                    | 8.8   | Cervix uteri               | 7.4   |
| Other and unspecified      | 6.8   | Rectum                     | 7.2   |
| Thyroid                    | 6.0   | Pancreas                   | 5.3   |
| All sites                  | 278.4 | All sites                  | 261.3 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: HISPANIC WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

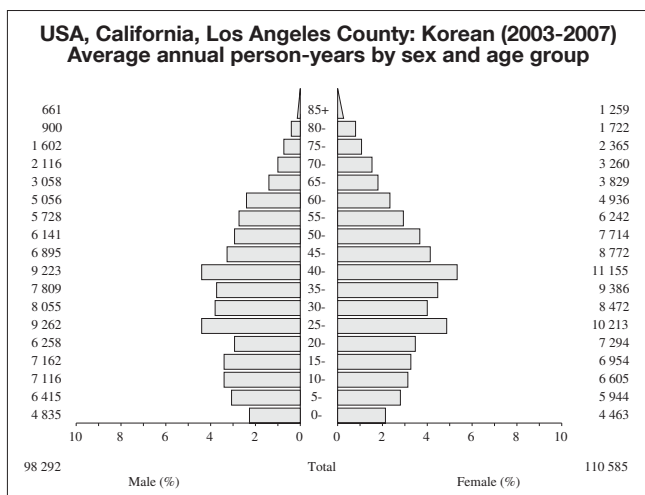
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 82.2  | Breast                     | 61.0  |
| Trachea, bronchus and lung | 21.3  | Corpus uteri               | 14.4  |
| Colon                      | 17.3  | Colon                      | 14.0  |
| Non-Hodgkin lymphoma       | 12.7  | Trachea, bronchus and lung | 11.7  |
| Kidney                     | 11.7  | Cervix uteri               | 11.6  |
| Liver                      | 11.3  | Thyroid                    | 11.3  |
| Stomach                    | 10.0  | Non-Hodgkin lymphoma       | 9.4   |
| Bladder                    | 9.7   | Ovary                      | 8.6   |
| Rectum                     | 9.0   | Stomach                    | 6.8   |
| Pancreas                   | 6.5   | Other and unspecified      | 6.2   |
| All sites                  | 257.0 | All sites                  | 215.5 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: JAPANESE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

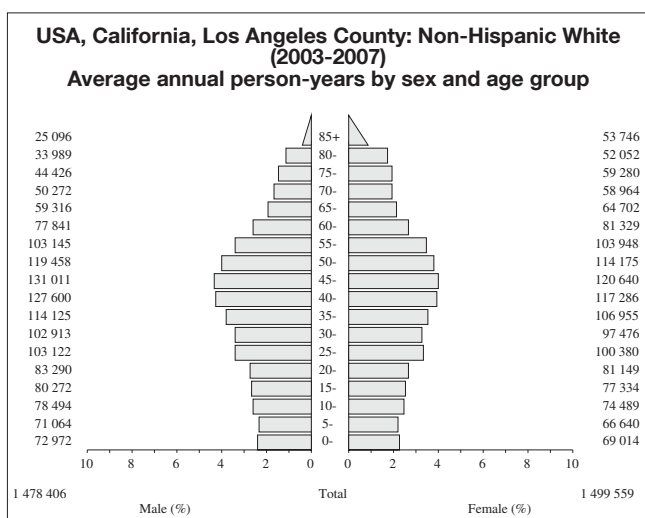
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 70.0  | Breast                     | 85.4  |
| Trachea, bronchus and lung | 31.0  | Colon                      | 23.5  |
| Colon                      | 28.5  | Corpus uteri               | 16.9  |
| Rectum                     | 18.6  | Trachea, bronchus and lung | 15.8  |
| Stomach                    | 15.4  | Ovary                      | 10.7  |
| Bladder                    | 12.8  | Stomach                    | 10.0  |
| Liver                      | 10.4  | Non-Hodgkin lymphoma       | 9.4   |
| Pancreas                   | 8.9   | Cervix uteri               | 8.9   |
| Non-Hodgkin lymphoma       | 8.7   | Rectum                     | 8.6   |
| Brain, nervous system      | 6.7   | Thyroid                    | 7.1   |
| All sites                  | 266.4 | All sites                  | 243.6 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: KOREAN**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

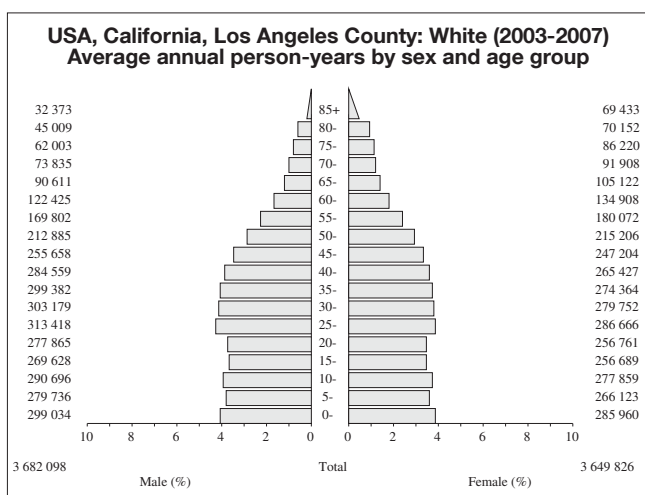
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Stomach                    | 39.4  | Breast                     | 53.1  |
| Prostate                   | 35.9  | Stomach                    | 17.6  |
| Trachea, bronchus and lung | 30.6  | Colon                      | 15.4  |
| Liver                      | 26.3  | Trachea, bronchus and lung | 13.8  |
| Colon                      | 23.0  | Thyroid                    | 11.5  |
| Bladder                    | 16.2  | Rectum                     | 10.0  |
| Rectum                     | 15.6  | Liver                      | 8.1   |
| Pancreas                   | 10.3  | Cervix uteri               | 7.9   |
| Non-Hodgkin lymphoma       | 6.6   | Pancreas                   | 6.3   |
| Kidney                     | 6.4   | Ovary                      | 6.1   |
| All sites                  | 257.7 | All sites                  | 192.4 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: NON-HISPANIC WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 98.7  | Breast                     | 103.4 |
| Trachea, bronchus and lung | 39.4  | Trachea, bronchus and lung | 31.9  |
| Melanoma of skin           | 25.7  | Corpus uteri               | 19.3  |
| Bladder                    | 24.0  | Colon                      | 18.2  |
| Colon                      | 23.1  | Melanoma of skin           | 16.9  |
| Non-Hodgkin lymphoma       | 17.1  | Thyroid                    | 13.5  |
| Kidney                     | 11.4  | Non-Hodgkin lymphoma       | 11.6  |
| Rectum                     | 10.5  | Ovary                      | 11.4  |
| Pancreas                   | 7.8   | Rectum                     | 6.8   |
| Other and unspecified      | 7.4   | Other and unspecified      | 6.8   |
| All sites                  | 360.6 | All sites                  | 310.3 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, LOS ANGELES COUNTY: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 92.1  | Breast                     | 85.1  |
| Trachea, bronchus and lung | 33.0  | Trachea, bronchus and lung | 24.1  |
| Colon                      | 21.2  | Corpus uteri               | 17.5  |
| Bladder                    | 19.1  | Colon                      | 16.6  |
| Melanoma of skin           | 15.9  | Thyroid                    | 12.2  |
| Non-Hodgkin lymphoma       | 15.3  | Non-Hodgkin lymphoma       | 10.7  |
| Kidney                     | 11.5  | Ovary                      | 10.2  |
| Rectum                     | 9.9   | Melanoma of skin           | 9.8   |
| Liver                      | 7.8   | Cervix uteri               | 8.5   |
| Pancreas                   | 7.3   | Other and unspecified      | 6.5   |
| All sites                  | 319.6 | All sites                  | 269.3 |

## USA, California, Los Angeles County (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 126        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05       | 46        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 692        | 0.8       | 2.9                      | <b>2.6</b>   | 0.17                     | 0.32       | 376       | 0.4                      | 1.5       | <b>1.1</b>               | 0.07   | 0.13  | C01-02          |
| Mouth                        | 404        | 0.4       | 1.7                      | <b>1.4</b>   | 0.08                     | 0.17       | 289       | 0.3                      | 1.2       | <b>0.8</b>               | 0.04   | 0.08  | C03-06          |
| Salivary glands              | 272        | 0.3       | 1.1                      | <b>0.9</b>   | 0.05                     | 0.10       | 229       | 0.3                      | 0.9       | <b>0.7</b>               | 0.04   | 0.08  | C07-08          |
| Tonsil                       | 443        | 0.5       | 1.8                      | <b>1.6</b>   | 0.13                     | 0.20       | 118       | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 92         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 38        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 236        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.10       | 107       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C11             |
| Hypopharynx                  | 178        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.09       | 47        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 53         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.03       | 23        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1058       | 1.2       | 4.4                      | <b>3.7</b>   | 0.18                     | 0.46       | 381       | 0.4                      | 1.5       | <b>0.9</b>               | 0.04   | 0.12  | C15             |
| Stomach                      | 2504       | 2.8       | 10.3                     | <b>8.4</b>   | 0.40                     | 0.98       | 1860      | 2.1                      | 7.5       | <b>4.8</b>               | 0.26   | 0.54  | C16             |
| Small intestine              | 381        | 0.4       | 1.6                      | <b>1.3</b>   | 0.07                     | 0.15       | 292       | 0.3                      | 1.2       | <b>0.8</b>               | 0.05   | 0.09  | C17             |
| Colon                        | 6527       | 7.2       | 27.0                     | <b>22.0</b>  | 1.00                     | 2.61       | 7008      | 7.8                      | 28.4      | <b>17.6</b>              | 0.86   | 1.99  | C18             |
| Rectum                       | 3008       | 3.3       | 12.4                     | <b>10.6</b>  | 0.60                     | 1.29       | 2381      | 2.7                      | 9.6       | <b>6.6</b>               | 0.38   | 0.76  | C19-20          |
| Anus                         | 318        | 0.4       | 1.3                      | <b>1.1</b>   | 0.07                     | 0.12       | 408       | 0.5                      | 1.7       | <b>1.2</b>               | 0.08   | 0.14  | C21             |
| Liver                        | 2607       | 2.9       | 10.8                     | <b>9.4</b>   | 0.61                     | 1.16       | 1214      | 1.4                      | 4.9       | <b>3.3</b>               | 0.16   | 0.41  | C22             |
| Gallbladder etc.             | 578        | 0.6       | 2.4                      | <b>1.9</b>   | 0.09                     | 0.22       | 850       | 0.9                      | 3.4       | <b>2.2</b>               | 0.12   | 0.26  | C23-24          |
| Pancreas                     | 2161       | 2.4       | 8.9                      | <b>7.4</b>   | 0.36                     | 0.88       | 2442      | 2.7                      | 9.9       | <b>5.9</b>               | 0.26   | 0.69  | C25             |
| Nose, sinuses etc.           | 159        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.06       | 127       | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 959        | 1.1       | 4.0                      | <b>3.4</b>   | 0.18                     | 0.44       | 188       | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.07  | C32             |
| Trachea, bronchus and lung   | 10301      | 11.3      | 42.5                     | <b>35.1</b>  | 1.42                     | 4.40       | 9083      | 10.1                     | 36.8      | <b>24.0</b>              | 1.04   | 3.03  | C33-34          |
| Other thoracic organs        | 138        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05       | 89        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 273        | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.09       | 215       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 3612       | 4.0       | 14.9                     | <b>12.3</b>  | 0.73                     | 1.33       | 2468      | 2.8                      | 10.0      | <b>7.5</b>               | 0.52   | 0.77  | C43             |
| Other skin                   | 522        | 0.6       | 2.2                      | <b>1.7</b>   | 0.08                     | 0.17       | 429       | 0.5                      | 1.7       | <b>1.2</b>               | 0.08   | 0.11  | C44             |
| Mesothelioma                 | 272        | 0.3       | 1.1                      | <b>0.9</b>   | 0.03                     | 0.11       | 96        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 493        | 0.5       | 2.0                      | <b>1.6</b>   | 0.12                     | 0.15       | 25        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 789        | 0.9       | 3.3                      | <b>2.8</b>   | 0.15                     | 0.28       | 599       | 0.7                      | 2.4       | <b>1.9</b>               | 0.12   | 0.18  | C47+C49         |
| Breast                       | 179        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.08       | 26916     | 30.0                     | 109.1     | <b>82.8</b>              | 5.91   | 9.61  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 447       | 0.5                      | 1.8       | <b>1.2</b>               | 0.06   | 0.12  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 177       | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 2488      | 2.8                      | 10.1      | <b>8.0</b>               | 0.63   | 0.82  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 5241      | 5.8                      | 21.2      | <b>16.5</b>              | 1.21   | 2.02  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 130       | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 3134      | 3.5                      | 12.7      | <b>9.4</b>               | 0.63   | 1.06  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 152       | 0.2                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 25        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 149        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 26668      | 29.4      | 110.1                    | <b>97.7</b>  | 4.76                     | 13.18      |           |                          |           |                          |        |       | C61             |
| Testis                       | 1261       | 1.4       | 5.2                      | <b>4.6</b>   | 0.34                     | 0.35       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 60         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2948       | 3.2       | 12.2                     | <b>10.6</b>  | 0.65                     | 1.27       | 1758      | 2.0                      | 7.1       | <b>5.3</b>               | 0.31   | 0.63  | C64             |
| Renal pelvis                 | 207        | 0.2       | 0.9                      | <b>0.7</b>   | 0.02                     | 0.07       | 147       | 0.2                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 99         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.04       | 76        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 5371       | 5.9       | 22.2                     | <b>17.3</b>  | 0.65                     | 1.95       | 1765      | 2.0                      | 7.2       | <b>4.2</b>               | 0.17   | 0.48  | C67             |
| Other urinary organs         | 75         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 44        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 159        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.05       | 150       | 0.2                      | 0.6       | <b>0.6</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 1434       | 1.6       | 5.9                      | <b>5.4</b>   | 0.33                     | 0.53       | 1163      | 1.3                      | 4.7       | <b>4.0</b>               | 0.24   | 0.37  | C70-72          |
| Thyroid                      | 1006       | 1.1       | 4.2                      | <b>3.6</b>   | 0.26                     | 0.39       | 3494      | 3.9                      | 14.2      | <b>11.8</b>              | 0.91   | 1.17  | C73             |
| Adrenal gland                | 66         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 68        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 50         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 32        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 659        | 0.7       | 2.7                      | <b>2.5</b>   | 0.17                     | 0.21       | 530       | 0.6                      | 2.1       | <b>1.9</b>               | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 4154       | 4.6       | 17.2                     | <b>14.3</b>  | 0.80                     | 1.59       | 3637      | 4.1                      | 14.7      | <b>10.1</b>              | 0.55   | 1.14  | C82-85,C96      |
| Immunoproliferative diseases | 71         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03       | 52        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 1252       | 1.4       | 5.2                      | <b>4.4</b>   | 0.22                     | 0.54       | 1089      | 1.2                      | 4.4       | <b>2.9</b>               | 0.15   | 0.36  | C90             |
| Lymphoid leukaemia           | 1549       | 1.7       | 6.4                      | <b>6.0</b>   | 0.31                     | 0.53       | 1113      | 1.2                      | 4.5       | <b>3.8</b>               | 0.20   | 0.34  | C91             |
| Myeloid leukaemia            | 1269       | 1.4       | 5.2                      | <b>4.4</b>   | 0.23                     | 0.45       | 1008      | 1.1                      | 4.1       | <b>2.9</b>               | 0.16   | 0.29  | C92-94          |
| Leukaemia unspecified        | 75         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 74        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 453        | 0.5       | 1.9                      | <b>1.5</b>   | 0.08                     | 0.16       | 472       | 0.5                      | 1.9       | <b>1.3</b>               | 0.08   | 0.14  | MPD             |
| Myelodysplastic syndromes    | 859        | 0.9       | 3.5                      | <b>2.6</b>   | 0.07                     | 0.26       | 724       | 0.8                      | 2.9       | <b>1.6</b>               | 0.06   | 0.17  | MDS             |
| Other and unspecified        | 2070       | 2.3       | 8.5                      | <b>6.9</b>   | 0.32                     | 0.78       | 2534      | 2.8                      | 10.3      | <b>6.2</b>               | 0.30   | 0.67  | O&U             |
| All sites                    | 91299      |           | 377.1                    | <b>320.9</b> | 16.21                    | 38.63      | 90068     |                          | 365.0     | <b>261.2</b>             | 16.21  | 29.63 | C00-96          |
| All sites except C44         | 90777      | 100.0     | 374.9                    | <b>319.2</b> | 16.13                    | 38.47      | 89639     | 100.0                    | 363.3     | <b>260.0</b>             | 16.14  | 29.52 | C00-96 exc. C44 |

§Includes 9 cases of unknown age

§Includes 10 cases of unknown age

**\*USA, California, Los Angeles County: Asian and Pacific Islander (2003-2007)**

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C00             |
| Tongue                       | 64        | 0.6       | 2.0                      | <b>1.5</b>   | 0.11                | 0.16                | 48        | 0.4       | 1.4                      | <b>0.9</b>   | 0.05                | 0.11                | C01-02          |
| Mouth                        | 37        | 0.4       | 1.2                      | <b>0.9</b>   | 0.04                | 0.10                | 31        | 0.3       | 0.9                      | <b>0.6</b>   | 0.03                | 0.05                | C03-06          |
| Salivary glands              | 32        | 0.3       | 1.0                      | <b>0.8</b>   | 0.06                | 0.09                | 39        | 0.3       | 1.1                      | <b>0.8</b>   | 0.05                | 0.09                | C07-08          |
| Tonsil                       | 29        | 0.3       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08                | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C09             |
| Other oropharynx             | 7         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 128       | 1.2       | 4.0                      | <b>3.1</b>   | 0.24                | 0.33                | 62        | 0.5       | 1.8                      | <b>1.2</b>   | 0.09                | 0.13                | C11             |
| Hypopharynx                  | 14        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03                | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.01                | C12-13          |
| Pharynx unspecified          | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 106       | 1.0       | 3.3                      | <b>2.3</b>   | 0.11                | 0.25                | 31        | 0.3       | 0.9                      | <b>0.5</b>   | 0.03                | 0.05                | C15             |
| Stomach                      | 647       | 6.2       | 20.2                     | <b>13.7</b>  | 0.58                | 1.54                | 463       | 4.1       | 13.1                     | <b>7.6</b>   | 0.35                | 0.84                | C16             |
| Small intestine              | 42        | 0.4       | 1.3                      | <b>0.9</b>   | 0.03                | 0.10                | 19        | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                | 0.05                | C17             |
| Colon                        | 908       | 8.7       | 28.3                     | <b>19.4</b>  | 0.84                | 2.20                | 961       | 8.4       | 27.3                     | <b>16.0</b>  | 0.78                | 1.82                | C18             |
| Rectum                       | 563       | 5.4       | 17.5                     | <b>12.7</b>  | 0.75                | 1.53                | 411       | 3.6       | 11.7                     | <b>7.4</b>   | 0.47                | 0.84                | C19-20          |
| Anus                         | 20        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 26        | 0.2       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C21             |
| Liver                        | 736       | 7.1       | 22.9                     | <b>17.0</b>  | 1.03                | 2.11                | 330       | 2.9       | 9.4                      | <b>5.5</b>   | 0.21                | 0.71                | C22             |
| Gallbladder etc.             | 124       | 1.2       | 3.9                      | <b>2.7</b>   | 0.13                | 0.32                | 137       | 1.2       | 3.9                      | <b>2.3</b>   | 0.11                | 0.27                | C23-24          |
| Pancreas                     | 294       | 2.8       | 9.2                      | <b>6.5</b>   | 0.29                | 0.77                | 299       | 2.6       | 8.5                      | <b>4.8</b>   | 0.20                | 0.59                | C25             |
| Nose, sinuses etc.           | 23        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                | 0.07                | 13        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C30-31          |
| Larynx                       | 74        | 0.7       | 2.3                      | <b>1.6</b>   | 0.07                | 0.20                | 13        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                | 0.02                | C32             |
| Trachea, bronchus and lung   | 1458      | 14.0      | 45.4                     | <b>30.9</b>  | 1.20                | 3.70                | 950       | 8.3       | 26.9                     | <b>15.7</b>  | 0.67                | 1.91                | C33-34          |
| Other thoracic organs        | 23        | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                | 0.06                | 22        | 0.2       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04                | C37-38          |
| Bone                         | 24        | 0.2       | 0.7                      | <b>0.8</b>   | 0.05                | 0.05                | 21        | 0.2       | 0.6                      | <b>0.7</b>   | 0.04                | 0.05                | C40-41          |
| Melanoma of skin             | 38        | 0.4       | 1.2                      | <b>0.9</b>   | 0.06                | 0.10                | 43        | 0.4       | 1.2                      | <b>0.9</b>   | 0.06                | 0.08                | C43             |
| Other skin                   | 23        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                | 0.07                | 41        | 0.4       | 1.2                      | <b>0.7</b>   | 0.05                | 0.07                | C44             |
| Mesothelioma                 | 12        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.05                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C45             |
| Kaposi sarcoma               | 23        | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                | 0.05                | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 71        | 0.7       | 2.2                      | <b>1.7</b>   | 0.09                | 0.16                | 62        | 0.5       | 1.8                      | <b>1.4</b>   | 0.09                | 0.13                | C47+C49         |
| Breast                       | 22        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                | 0.07                | 3645      | 32.0      | 103.4                    | <b>71.3</b>  | 5.46                | 8.12                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 27        | 0.2       | 0.8                      | <b>0.4</b>   | 0.02                | 0.04                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 18        | 0.2       | 0.5                      | <b>0.3</b>   | 0.01                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 363       | 3.2       | 10.3                     | <b>7.2</b>   | 0.56                | 0.74                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 689       | 6.0       | 19.5                     | <b>13.6</b>  | 1.10                | 1.57                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 16        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 402       | 3.5       | 11.4                     | <b>7.7</b>   | 0.58                | 0.81                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 15        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 7         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 2520      | 24.2      | 78.5                     | <b>57.0</b>  | 2.15                | 7.71                |           |           |                          |              |                     |                     | C61             |
| Testis                       | 57        | 0.5       | 1.8                      | <b>1.5</b>   | 0.11                | 0.13                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 16        | 0.2       | 0.5                      | <b>0.4</b>   | 0.01                | 0.05                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 250       | 2.4       | 7.8                      | <b>5.8</b>   | 0.38                | 0.71                | 154       | 1.4       | 4.4                      | <b>2.9</b>   | 0.16                | 0.35                | C64             |
| Renal pelvis                 | 21        | 0.2       | 0.7                      | <b>0.4</b>   | 0.01                | 0.04                | 32        | 0.3       | 0.9                      | <b>0.5</b>   | 0.01                | 0.06                | C65             |
| Ureter                       | 17        | 0.2       | 0.5                      | <b>0.4</b>   | 0.01                | 0.05                | 13        | 0.1       | 0.4                      | <b>0.2</b>   | 0.00                | 0.03                | C66             |
| Bladder                      | 496       | 4.8       | 15.5                     | <b>10.1</b>  | 0.39                | 1.11                | 132       | 1.2       | 3.7                      | <b>1.9</b>   | 0.06                | 0.19                | C67             |
| Other urinary organs         | 6         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | 4         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 7         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.02                | C69             |
| Brain, nervous system        | 124       | 1.2       | 3.9                      | <b>3.5</b>   | 0.22                | 0.30                | 103       | 0.9       | 2.9                      | <b>2.5</b>   | 0.13                | 0.23                | C70-72          |
| Thyroid                      | 147       | 1.4       | 4.6                      | <b>3.5</b>   | 0.24                | 0.40                | 619       | 5.4       | 17.6                     | <b>12.9</b>  | 1.00                | 1.29                | C73             |
| Adrenal gland                | 9         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03                | 5         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01                | C74             |
| Other endocrine              | 9         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 6         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 46        | 0.4       | 1.4                      | <b>1.3</b>   | 0.09                | 0.10                | 34        | 0.3       | 1.0                      | <b>0.8</b>   | 0.06                | 0.07                | C81             |
| Non-Hodgkin lymphoma         | 429       | 4.1       | 13.4                     | <b>9.7</b>   | 0.53                | 1.10                | 411       | 3.6       | 11.7                     | <b>7.4</b>   | 0.40                | 0.80                | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C88             |
| Multiple myeloma             | 107       | 1.0       | 3.3                      | <b>2.4</b>   | 0.13                | 0.29                | 98        | 0.9       | 2.8                      | <b>1.7</b>   | 0.10                | 0.21                | C90             |
| Lymphoid leukaemia           | 85        | 0.8       | 2.6                      | <b>2.6</b>   | 0.14                | 0.20                | 50        | 0.4       | 1.4                      | <b>1.6</b>   | 0.08                | 0.11                | C91             |
| Myeloid leukaemia            | 157       | 1.5       | 4.9                      | <b>3.7</b>   | 0.20                | 0.35                | 139       | 1.2       | 3.9                      | <b>2.6</b>   | 0.16                | 0.24                | C92-94          |
| Leukaemia unspecified        | 6         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.00                | 6         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 46        | 0.4       | 1.4                      | <b>1.0</b>   | 0.05                | 0.10                | 53        | 0.5       | 1.5                      | <b>0.9</b>   | 0.06                | 0.09                | MPD             |
| Myelodysplastic syndromes    | 111       | 1.1       | 3.5                      | <b>2.3</b>   | 0.06                | 0.26                | 99        | 0.9       | 2.8                      | <b>1.4</b>   | 0.04                | 0.13                | MDS             |
| Other and unspecified        | 227       | 2.2       | 7.1                      | <b>4.9</b>   | 0.21                | 0.57                | 253       | 2.2       | 7.2                      | <b>4.2</b>   | 0.23                | 0.45                | O&U             |
| All sites                    | 10442     |           | 325.3                    | <b>233.7</b> | 10.94               | 27.83               | 11437     |           | 324.4                    | <b>212.1</b> | 13.72               | 23.67               | C00-96          |
| All sites except C44         | 10419     | 100.0     | 324.6                    | <b>233.2</b> | 10.91               | 27.76               | 11396     | 100.0     | 323.2                    | <b>211.4</b> | 13.67               | 23.60               | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, California, Los Angeles County: Black (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 63        | 0.6       | 2.7                      | <b>2.5</b>   | 0.16                     | 0.33      | 45        | 0.5                      | 1.7       | <b>1.3</b>               | 0.10   | 0.15  | C01-02          |
| Mouth                        | 61        | 0.6       | 2.6                      | <b>2.2</b>   | 0.15                     | 0.25      | 36        | 0.4                      | 1.4       | <b>0.9</b>               | 0.06   | 0.10  | C03-06          |
| Salivary glands              | 24        | 0.2       | 1.0                      | <b>1.0</b>   | 0.06                     | 0.10      | 18        | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 59        | 0.6       | 2.6                      | <b>2.2</b>   | 0.17                     | 0.27      | 17        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 18        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.08      | 10        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 23        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.10      | 10        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 33        | 0.3       | 1.4                      | <b>1.2</b>   | 0.08                     | 0.15      | 7         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 10        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 6         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 116       | 1.1       | 5.0                      | <b>4.4</b>   | 0.27                     | 0.53      | 56        | 0.6                      | 2.1       | <b>1.5</b>               | 0.08   | 0.18  | C15             |
| Stomach                      | 255       | 2.5       | 11.1                     | <b>9.3</b>   | 0.41                     | 1.04      | 223       | 2.2                      | 8.5       | <b>5.4</b>               | 0.27   | 0.61  | C16             |
| Small intestine              | 68        | 0.7       | 3.0                      | <b>2.6</b>   | 0.17                     | 0.32      | 62        | 0.6                      | 2.4       | <b>1.6</b>               | 0.09   | 0.19  | C17             |
| Colon                        | 850       | 8.2       | 36.9                     | <b>32.1</b>  | 1.63                     | 3.93      | 1032      | 10.3                     | 39.4      | <b>26.0</b>              | 1.40   | 3.00  | C18             |
| Rectum                       | 313       | 3.0       | 13.6                     | <b>11.8</b>  | 0.71                     | 1.43      | 274       | 2.7                      | 10.5      | <b>7.1</b>               | 0.39   | 0.84  | C19-20          |
| Anus                         | 34        | 0.3       | 1.5                      | <b>1.3</b>   | 0.09                     | 0.12      | 45        | 0.5                      | 1.7       | <b>1.3</b>               | 0.08   | 0.16  | C21             |
| Liver                        | 266       | 2.6       | 11.6                     | <b>10.2</b>  | 0.70                     | 1.29      | 117       | 1.2                      | 4.5       | <b>3.2</b>               | 0.21   | 0.37  | C22             |
| Gallbladder etc.             | 61        | 0.6       | 2.6                      | <b>2.5</b>   | 0.13                     | 0.31      | 64        | 0.6                      | 2.4       | <b>1.7</b>               | 0.11   | 0.21  | C23-24          |
| Pancreas                     | 264       | 2.5       | 11.5                     | <b>9.6</b>   | 0.52                     | 1.15      | 353       | 3.5                      | 13.5      | <b>8.5</b>               | 0.40   | 1.00  | C25             |
| Nose, sinuses etc.           | 14        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.04      | 4         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 144       | 1.4       | 6.3                      | <b>5.5</b>   | 0.33                     | 0.72      | 38        | 0.4                      | 1.4       | <b>1.1</b>               | 0.07   | 0.16  | C32             |
| Trachea, bronchus and lung   | 1572      | 15.1      | 68.3                     | <b>59.1</b>  | 3.02                     | 7.53      | 1346      | 13.5                     | 51.4      | <b>35.8</b>              | 1.89   | 4.59  | C33-34          |
| Other thoracic organs        | 8         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 11        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C37-38          |
| Bone                         | 17        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.07      | 23        | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.05  | C40-41          |
| Melanoma of skin             | 17        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.10      | 18        | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.04  | C43             |
| Other skin                   | 21        | 0.2       | 0.9                      | <b>0.8</b>   | 0.05                     | 0.08      | 41        | 0.4                      | 1.6       | <b>1.2</b>               | 0.09   | 0.12  | C44             |
| Mesothelioma                 | 18        | 0.2       | 0.8                      | <b>0.7</b>   | 0.02                     | 0.09      | 6         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 57        | 0.5       | 2.5                      | <b>2.1</b>   | 0.17                     | 0.17      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 62        | 0.6       | 2.7                      | <b>2.4</b>   | 0.16                     | 0.22      | 70        | 0.7                      | 2.7       | <b>2.0</b>               | 0.11   | 0.21  | C47+C49         |
| Breast                       | 24        | 0.2       | 1.0                      | <b>0.9</b>   | 0.04                     | 0.11      | 3055      | 30.6                     | 116.5     | <b>86.0</b>              | 6.07   | 9.79  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 45        | 0.5                      | 1.7       | <b>1.2</b>               | 0.09   | 0.12  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 18        | 0.2                      | 0.7       | <b>0.6</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 209       | 2.1                      | 8.0       | <b>6.1</b>               | 0.48   | 0.62  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 505       | 5.1                      | 19.3      | <b>14.9</b>              | 1.03   | 1.91  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 23        | 0.2                      | 0.9       | <b>0.7</b>               | 0.03   | 0.09  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 269       | 2.7                      | 10.3      | <b>7.6</b>               | 0.49   | 0.89  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 14        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 14        | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3799      | 36.6      | 165.0                    | <b>149.2</b> | 9.13                     | 19.73     |           |                          |           |                          |        |       | C61             |
| Testis                       | 28        | 0.3       | 1.2                      | <b>1.1</b>   | 0.09                     | 0.09      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 313       | 3.0       | 13.6                     | <b>12.0</b>  | 0.70                     | 1.44      | 210       | 2.1                      | 8.0       | <b>5.9</b>               | 0.30   | 0.72  | C64             |
| Renal pelvis                 | 12        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04      | 4         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 6         | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                     | 0.03      | 8         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 362       | 3.5       | 15.7                     | <b>12.9</b>  | 0.52                     | 1.47      | 200       | 2.0                      | 7.6       | <b>4.7</b>               | 0.18   | 0.57  | C67             |
| Other urinary organs         | 12        | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.05      | 8         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 10        | 0.1       | 0.4                      | <b>0.6</b>   | 0.03                     | 0.04      | 3         | 0.0                      | 0.1       | <b>0.2</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 93        | 0.9       | 4.0                      | <b>3.8</b>   | 0.22                     | 0.37      | 81        | 0.8                      | 3.1       | <b>2.8</b>               | 0.17   | 0.24  | C70-72          |
| Thyroid                      | 59        | 0.6       | 2.6                      | <b>2.2</b>   | 0.15                     | 0.24      | 236       | 2.4                      | 9.0       | <b>7.1</b>               | 0.54   | 0.77  | C73             |
| Adrenal gland                | 10        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.04      | 6         | 0.1                      | 0.2       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 7         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 51        | 0.5       | 2.2                      | <b>2.0</b>   | 0.15                     | 0.15      | 51        | 0.5                      | 1.9       | <b>1.8</b>               | 0.12   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 320       | 3.1       | 13.9                     | <b>12.2</b>  | 0.81                     | 1.35      | 300       | 3.0                      | 11.4      | <b>8.4</b>               | 0.51   | 0.95  | C82-85,C96      |
| Immunoproliferative diseases | 6         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 248       | 2.4       | 10.8                     | <b>9.5</b>   | 0.51                     | 1.20      | 266       | 2.7                      | 10.1      | <b>6.8</b>               | 0.36   | 0.82  | C90             |
| Lymphoid leukaemia           | 97        | 0.9       | 4.2                      | <b>3.9</b>   | 0.17                     | 0.38      | 85        | 0.9                      | 3.2       | <b>2.6</b>               | 0.15   | 0.29  | C91             |
| Myeloid leukaemia            | 103       | 1.0       | 4.5                      | <b>3.8</b>   | 0.19                     | 0.41      | 106       | 1.1                      | 4.0       | <b>2.8</b>               | 0.16   | 0.26  | C92-94          |
| Leukaemia unspecified        | 10        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.04      | 7         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 45        | 0.4       | 2.0                      | <b>1.6</b>   | 0.09                     | 0.19      | 42        | 0.4                      | 1.6       | <b>1.1</b>               | 0.07   | 0.13  | MPD             |
| Myelodysplastic syndromes    | 73        | 0.7       | 3.2                      | <b>2.7</b>   | 0.13                     | 0.30      | 72        | 0.7                      | 2.7       | <b>1.8</b>               | 0.08   | 0.20  | MDS             |
| Other and unspecified        | 245       | 2.4       | 10.6                     | <b>9.2</b>   | 0.51                     | 1.12      | 271       | 2.7                      | 10.3      | <b>6.7</b>               | 0.38   | 0.72  | O&U             |
| All sites                    | 10398     |           | 451.5                    | <b>398.3</b> | 22.86                    | 49.38     | 10039     |                          | 383.0     | <b>274.3</b>             | 16.99  | 31.75 | C00-96          |
| All sites except C44         | 10377     | 100.0     | 450.6                    | <b>397.5</b> | 22.81                    | 49.30     | 9998      | 100.0                    | 381.4     | <b>273.1</b>             | 16.89  | 31.63 | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, California, Los Angeles County: Chinese (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C00             |
| Tongue                       | 17        | 0.6       | 1.8                      | <b>1.4</b>   | 0.13                     | 0.14      | 17        | 0.6                      | 1.6       | <b>1.2</b>               | 0.07   | 0.15  | C01-02          |
| Mouth                        | 13        | 0.4       | 1.4                      | <b>0.9</b>   | 0.04                     | 0.11      | 8         | 0.3                      | 0.8       | <b>0.6</b>               | 0.03   | 0.06  | C03-06          |
| Salivary glands              | 7         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06      | 7         | 0.2                      | 0.7       | <b>0.5</b>               | 0.02   | 0.05  | C07-08          |
| Tonsil                       | 6         | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C09             |
| Other oropharynx             | 4         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 69        | 2.3       | 7.4                      | <b>5.9</b>   | 0.50                     | 0.65      | 29        | 1.0                      | 2.8       | <b>1.9</b>               | 0.12   | 0.20  | C11             |
| Hypopharynx                  | 5         | 0.2       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.04      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 35        | 1.2       | 3.7                      | <b>2.4</b>   | 0.12                     | 0.23      | 10        | 0.3                      | 1.0       | <b>0.5</b>               | 0.03   | 0.04  | C15             |
| Stomach                      | 153       | 5.1       | 16.4                     | <b>9.9</b>   | 0.36                     | 0.95      | 118       | 4.0                      | 11.4      | <b>6.5</b>               | 0.30   | 0.60  | C16             |
| Small intestine              | 11        | 0.4       | 1.2                      | <b>0.8</b>   | 0.04                     | 0.11      | 3         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C17             |
| Colon                        | 267       | 8.9       | 28.6                     | <b>19.0</b>  | 0.87                     | 2.25      | 288       | 9.9                      | 27.9      | <b>16.7</b>              | 0.76   | 1.78  | C18             |
| Rectum                       | 152       | 5.0       | 16.3                     | <b>11.6</b>  | 0.68                     | 1.41      | 112       | 3.8                      | 10.9      | <b>7.1</b>               | 0.46   | 0.76  | C19-20          |
| Anus                         | 5         | 0.2       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.07      | 15        | 0.5                      | 1.5       | <b>0.9</b>               | 0.06   | 0.09  | C21             |
| Liver                        | 233       | 7.7       | 24.9                     | <b>18.4</b>  | 1.20                     | 2.26      | 105       | 3.6                      | 10.2      | <b>6.0</b>               | 0.23   | 0.69  | C22             |
| Gallbladder etc.             | 27        | 0.9       | 2.9                      | <b>1.9</b>   | 0.10                     | 0.24      | 27        | 0.9                      | 2.6       | <b>1.9</b>               | 0.07   | 0.25  | C23-24          |
| Pancreas                     | 79        | 2.6       | 8.5                      | <b>5.4</b>   | 0.23                     | 0.59      | 69        | 2.4                      | 6.7       | <b>3.9</b>               | 0.13   | 0.42  | C25             |
| Nose, sinuses etc.           | 3         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.04      | 6         | 0.2                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 25        | 0.8       | 2.7                      | <b>1.5</b>   | 0.01                     | 0.20      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C32             |
| Trachea, bronchus and lung   | 449       | 14.9      | 48.1                     | <b>31.4</b>  | 1.26                     | 3.76      | 326       | 11.2                     | 31.6      | <b>19.0</b>              | 0.78   | 2.17  | C33-34          |
| Other thoracic organs        | 7         | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.07      | 5         | 0.2                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 8         | 0.3       | 0.9                      | <b>1.0</b>   | 0.07                     | 0.07      | 5         | 0.2                      | 0.5       | <b>0.4</b>               | 0.04   | 0.05  | C40-41          |
| Melanoma of skin             | 15        | 0.5       | 1.6                      | <b>1.1</b>   | 0.06                     | 0.12      | 13        | 0.4                      | 1.3       | <b>1.1</b>               | 0.09   | 0.12  | C43             |
| Other skin                   | 5         | 0.5       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.05      | 16        | 0.5                      | 1.6       | <b>1.0</b>               | 0.06   | 0.11  | C44             |
| Mesothelioma                 | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 4         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 25        | 0.8       | 2.7                      | <b>1.8</b>   | 0.06                     | 0.18      | 13        | 0.4                      | 1.3       | <b>0.9</b>               | 0.04   | 0.08  | C47+C49         |
| Breast                       | 8         | 0.3       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.05      | 864       | 29.6                     | 83.7      | <b>58.9</b>              | 4.68   | 6.62  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 10        | 0.3                      | 1.0       | <b>0.7</b>               | 0.05   | 0.08  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 6         | 0.2                      | 0.6       | <b>0.4</b>               | 0.01   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 74        | 2.5                      | 7.2       | <b>5.0</b>               | 0.43   | 0.49  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 146       | 5.0                      | 14.2      | <b>10.3</b>              | 0.88   | 1.16  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 3         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 106       | 3.6                      | 10.3      | <b>7.0</b>               | 0.54   | 0.68  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 4         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 3         | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                     | 0.02      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 709       | 23.6      | 75.9                     | <b>51.6</b>  | 1.94                     | 6.74      |           |                          |           |                          |        |       | C61             |
| Testis                       | 15        | 0.5       | 1.6                      | <b>1.5</b>   | 0.11                     | 0.11      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 5         | 0.2       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 55        | 1.8       | 5.9                      | <b>4.2</b>   | 0.18                     | 0.52      | 35        | 1.2                      | 3.4       | <b>2.1</b>               | 0.09   | 0.25  | C64             |
| Renal pelvis                 | 7         | 0.2       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.03      | 13        | 0.4                      | 1.3       | <b>0.6</b>               | 0.02   | 0.05  | C65             |
| Ureter                       | 7         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.07      | 5         | 0.2                      | 0.5       | <b>0.3</b>               | 0.00   | 0.04  | C66             |
| Bladder                      | 158       | 5.2       | 16.9                     | <b>10.3</b>  | 0.39                     | 1.15      | 42        | 1.4                      | 4.1       | <b>2.1</b>               | 0.07   | 0.19  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C69             |
| Brain, nervous system        | 41        | 1.4       | 4.4                      | <b>3.8</b>   | 0.21                     | 0.30      | 27        | 0.9                      | 2.6       | <b>1.9</b>               | 0.08   | 0.21  | C70-72          |
| Thyroid                      | 30        | 1.0       | 3.2                      | <b>2.5</b>   | 0.17                     | 0.28      | 130       | 4.4                      | 12.6      | <b>9.1</b>               | 0.68   | 0.90  | C73             |
| Adrenal gland                | 3         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.04      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 3         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 12        | 0.4       | 1.3                      | <b>1.2</b>   | 0.07                     | 0.08      | 10        | 0.3                      | 1.0       | <b>0.9</b>               | 0.06   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 125       | 4.2       | 13.4                     | <b>9.3</b>   | 0.48                     | 1.01      | 91        | 3.1                      | 8.8       | <b>5.6</b>               | 0.26   | 0.54  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 31        | 1.0       | 3.3                      | <b>2.3</b>   | 0.11                     | 0.29      | 21        | 0.7                      | 2.0       | <b>1.3</b>               | 0.05   | 0.19  | C90             |
| Lymphoid leukaemia           | 30        | 1.0       | 3.2                      | <b>3.6</b>   | 0.19                     | 0.26      | 17        | 0.6                      | 1.6       | <b>2.1</b>               | 0.11   | 0.14  | C91             |
| Myeloid leukaemia            | 48        | 1.6       | 5.1                      | <b>3.7</b>   | 0.19                     | 0.35      | 36        | 1.2                      | 3.5       | <b>2.5</b>               | 0.17   | 0.24  | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 14        | 0.5       | 1.5                      | <b>0.9</b>   | 0.03                     | 0.08      | 8         | 0.3                      | 0.8       | <b>0.5</b>               | 0.03   | 0.03  | MPD             |
| Myelodysplastic syndromes    | 28        | 0.9       | 3.0                      | <b>1.8</b>   | 0.01                     | 0.20      | 20        | 0.7                      | 1.9       | <b>1.0</b>               | 0.03   | 0.09  | MDS             |
| Other and unspecified        | 57        | 1.9       | 6.1                      | <b>4.1</b>   | 0.17                     | 0.48      | 63        | 2.2                      | 6.1       | <b>4.0</b>               | 0.25   | 0.35  | O&U             |
| All sites                    | 3015      |           | 322.8                    | <b>221.9</b> | 10.36                    | 25.82     | 2938      |                          | 284.8     | <b>188.6</b>             | 11.89  | 20.32 | C00-96          |
| All sites except C44         | 3010      | 100.0     | 322.2                    | <b>221.5</b> | 10.32                    | 25.77     | 2922      | 100.0                    | 283.2     | <b>187.7</b>             | 11.83  | 20.21 | C00-96 exc. C44 |

\*See note following population pyramid



**\*USA, California, Los Angeles County: Filipino (2003-2007)**

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 15        | 0.6       | 2.2                      | <b>1.6</b>   | 0.11                | 0.19                | 10        | 0.3       | 1.2                      | <b>0.7</b>   | 0.05                | 0.05                | C01-02          |
| Mouth                        | 4         | 0.2       | 0.6                      | <b>0.4</b>   | 0.01                | 0.04                | 10        | 0.3       | 1.2                      | <b>0.8</b>   | 0.05                | 0.08                | C03-06          |
| Salivary glands              | 9         | 0.4       | 1.3                      | <b>1.2</b>   | 0.09                | 0.14                | 12        | 0.4       | 1.5                      | <b>1.0</b>   | 0.05                | 0.13                | C07-08          |
| Tonsil                       | 9         | 0.4       | 1.3                      | <b>1.1</b>   | 0.05                | 0.14                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 29        | 1.2       | 4.2                      | <b>3.4</b>   | 0.24                | 0.35                | 16        | 0.5       | 2.0                      | <b>1.4</b>   | 0.13                | 0.15                | C11             |
| Hypopharynx                  | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 13        | 0.5       | 1.9                      | <b>1.6</b>   | 0.06                | 0.22                | 6         | 0.2       | 0.7                      | <b>0.5</b>   | 0.01                | 0.07                | C15             |
| Stomach                      | 49        | 2.0       | 7.1                      | <b>5.0</b>   | 0.27                | 0.52                | 46        | 1.5       | 5.6                      | <b>3.5</b>   | 0.18                | 0.38                | C16             |
| Small intestine              | 7         | 0.3       | 1.0                      | <b>0.8</b>   | 0.05                | 0.11                | 8         | 0.3       | 1.0                      | <b>0.7</b>   | 0.04                | 0.08                | C17             |
| Colon                        | 170       | 7.0       | 24.5                     | <b>18.5</b>  | 0.90                | 2.04                | 206       | 6.5       | 25.2                     | <b>15.2</b>  | 0.65                | 1.73                | C18             |
| Rectum                       | 121       | 5.0       | 17.5                     | <b>13.7</b>  | 0.79                | 1.48                | 90        | 2.8       | 11.0                     | <b>7.2</b>   | 0.51                | 0.85                | C19-20          |
| Anus                         | 4         | 0.2       | 0.6                      | <b>0.5</b>   | 0.05                | 0.05                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C21             |
| Liver                        | 131       | 5.4       | 18.9                     | <b>14.8</b>  | 0.98                | 1.84                | 49        | 1.5       | 6.0                      | <b>3.7</b>   | 0.16                | 0.48                | C22             |
| Gallbladder etc.             | 17        | 0.7       | 2.5                      | <b>1.9</b>   | 0.14                | 0.20                | 24        | 0.8       | 2.9                      | <b>1.8</b>   | 0.10                | 0.21                | C23-24          |
| Pancreas                     | 50        | 2.1       | 7.2                      | <b>5.6</b>   | 0.20                | 0.73                | 70        | 2.2       | 8.6                      | <b>5.3</b>   | 0.31                | 0.59                | C25             |
| Nose, sinuses etc.           | 6         | 0.2       | 0.9                      | <b>0.8</b>   | 0.07                | 0.07                | 4         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 15        | 0.6       | 2.2                      | <b>1.8</b>   | 0.08                | 0.22                | 5         | 0.2       | 0.6                      | <b>0.3</b>   | 0.02                | 0.02                | C32             |
| Trachea, bronchus and lung   | 366       | 15.1      | 52.8                     | <b>40.1</b>  | 1.73                | 4.90                | 211       | 6.7       | 25.8                     | <b>15.8</b>  | 0.71                | 1.99                | C33-34          |
| Other thoracic organs        | 5         | 0.2       | 0.7                      | <b>0.6</b>   | 0.06                | 0.06                | 8         | 0.3       | 1.0                      | <b>0.5</b>   | 0.04                | 0.04                | C37-38          |
| Bone                         | 6         | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                | 0.05                | 6         | 0.2       | 0.7                      | <b>0.8</b>   | 0.05                | 0.05                | C40-41          |
| Melanoma of skin             | 5         | 0.2       | 0.7                      | <b>0.6</b>   | 0.05                | 0.05                | 13        | 0.4       | 1.6                      | <b>1.0</b>   | 0.07                | 0.09                | C43             |
| Other skin                   | 7         | 0.3       | 1.0                      | <b>0.9</b>   | 0.06                | 0.14                | 10        | 0.3       | 1.2                      | <b>0.9</b>   | 0.08                | 0.08                | C44             |
| Mesothelioma                 | 3         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.04                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C45             |
| Kaposi sarcoma               | 13        | 0.5       | 1.9                      | <b>1.6</b>   | 0.12                | 0.15                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 11        | 0.5       | 1.6                      | <b>1.4</b>   | 0.09                | 0.14                | 14        | 0.4       | 1.7                      | <b>1.3</b>   | 0.08                | 0.14                | C47+C49         |
| Breast                       | 2         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.04                | 1183      | 37.4      | 144.8                    | <b>100.0</b> | 7.76                | 11.75               | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 6         | 0.2       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 4         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 89        | 2.8       | 10.9                     | <b>7.4</b>   | 0.57                | 0.79                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 251       | 7.9       | 30.7                     | <b>21.6</b>  | 1.88                | 2.48                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 3         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 107       | 3.4       | 13.1                     | <b>9.1</b>   | 0.68                | 1.04                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 2         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 770       | 31.8      | 111.2                    | <b>90.7</b>  | 4.00                | 12.22               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 8         | 0.3       | 1.2                      | <b>1.1</b>   | 0.08                | 0.08                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 4         | 0.2       | 0.6                      | <b>0.5</b>   | 0.00                | 0.08                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 80        | 3.3       | 11.6                     | <b>9.7</b>   | 0.75                | 1.14                | 48        | 1.5       | 5.9                      | <b>4.0</b>   | 0.25                | 0.45                | C64             |
| Renal pelvis                 | 5         | 0.2       | 0.7                      | <b>0.6</b>   | 0.02                | 0.05                | 4         | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                | 0.05                | C65             |
| Ureter                       | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 4         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 80        | 3.3       | 11.6                     | <b>8.8</b>   | 0.53                | 0.92                | 30        | 0.9       | 3.7                      | <b>1.9</b>   | 0.05                | 0.16                | C67             |
| Other urinary organs         | 1         | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                | 0.03                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 2         | 0.1       | 0.3                      | <b>0.5</b>   | 0.02                | 0.02                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C69             |
| Brain, nervous system        | 19        | 0.8       | 2.7                      | <b>2.2</b>   | 0.17                | 0.17                | 28        | 0.9       | 3.4                      | <b>3.0</b>   | 0.14                | 0.27                | C70-72          |
| Thyroid                      | 50        | 2.1       | 7.2                      | <b>6.0</b>   | 0.36                | 0.69                | 238       | 7.5       | 29.1                     | <b>21.4</b>  | 1.74                | 2.16                | C73             |
| Adrenal gland                | 3         | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                | 0.03                | 3         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                | 0.03                | C74             |
| Other endocrine              | 2         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 4         | 0.1       | 0.5                      | <b>0.3</b>   | 0.03                | 0.03                | C75             |
| Hodgkin lymphoma             | 13        | 0.5       | 1.9                      | <b>1.7</b>   | 0.12                | 0.12                | 9         | 0.3       | 1.1                      | <b>0.9</b>   | 0.05                | 0.07                | C81             |
| Non-Hodgkin lymphoma         | 119       | 4.9       | 17.2                     | <b>13.6</b>  | 0.72                | 1.63                | 133       | 4.2       | 16.3                     | <b>10.6</b>  | 0.60                | 1.13                | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 30        | 1.2       | 4.3                      | <b>3.5</b>   | 0.29                | 0.40                | 38        | 1.2       | 4.7                      | <b>2.8</b>   | 0.19                | 0.32                | C90             |
| Lymphoid leukaemia           | 17        | 0.7       | 2.5                      | <b>2.4</b>   | 0.18                | 0.18                | 7         | 0.2       | 0.9                      | <b>1.0</b>   | 0.03                | 0.07                | C91             |
| Myeloid leukaemia            | 45        | 1.9       | 6.5                      | <b>4.9</b>   | 0.24                | 0.41                | 40        | 1.3       | 4.9                      | <b>3.1</b>   | 0.18                | 0.31                | C92-94          |
| Leukaemia unspecified        | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.02                | C95             |
| Myeloproliferative disorders | 17        | 0.7       | 2.5                      | <b>1.8</b>   | 0.08                | 0.19                | 27        | 0.9       | 3.3                      | <b>2.0</b>   | 0.16                | 0.21                | MPD             |
| Myelodysplastic syndromes    | 30        | 1.2       | 4.3                      | <b>3.3</b>   | 0.09                | 0.45                | 29        | 0.9       | 3.5                      | <b>1.7</b>   | 0.03                | 0.15                | MDS             |
| Other and unspecified        | 62        | 2.6       | 9.0                      | <b>6.8</b>   | 0.34                | 0.83                | 60        | 1.9       | 7.3                      | <b>4.7</b>   | 0.25                | 0.57                | O&U             |
| All sites                    | 2429      |           | 350.7                    | <b>278.4</b> | 14.31               | 33.58               | 3173      |           | 388.3                    | <b>261.3</b> | 18.08               | 29.51               | C00-96          |
| All sites except C44         | 2422      | 100.0     | 349.7                    | <b>277.5</b> | 14.25               | 33.44               | 3163      | 100.0     | 387.1                    | <b>260.4</b> | 18.00               | 29.43               | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, California, Los Angeles County: Hispanic White (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 20        | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.03      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 102       | 0.5       | 0.9                      | <b>1.4</b>   | 0.08                     | 0.17      | 74        | 0.3                      | 0.7       | <b>0.7</b>               | 0.04   | 0.08  | C01-02          |
| Mouth                        | 77        | 0.4       | 0.7                      | <b>1.0</b>   | 0.06                     | 0.10      | 54        | 0.3                      | 0.5       | <b>0.5</b>               | 0.03   | 0.06  | C03-06          |
| Salivary glands              | 57        | 0.3       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.06      | 67        | 0.3                      | 0.6       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 67        | 0.3       | 0.6                      | <b>0.9</b>   | 0.08                     | 0.10      | 25        | 0.1                      | 0.2       | <b>0.3</b>               | 0.02   | 0.03  | C09             |
| Other oropharynx             | 12        | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.02      | 5         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 28        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      | 15        | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 46        | 0.2       | 0.4                      | <b>0.7</b>   | 0.03                     | 0.09      | 10        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 9         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 5         | 0.0                      | 0.0       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 204       | 1.0       | 1.9                      | <b>2.8</b>   | 0.13                     | 0.33      | 53        | 0.2                      | 0.5       | <b>0.5</b>               | 0.01   | 0.07  | C15             |
| Stomach                      | 766       | 3.9       | 7.0                      | <b>10.0</b>  | 0.49                     | 1.16      | 697       | 3.2                      | 6.5       | <b>6.8</b>               | 0.37   | 0.76  | C16             |
| Small intestine              | 66        | 0.3       | 0.6                      | <b>0.8</b>   | 0.04                     | 0.11      | 72        | 0.3                      | 0.7       | <b>0.7</b>               | 0.04   | 0.06  | C17             |
| Colon                        | 1305      | 6.7       | 11.8                     | <b>17.3</b>  | 0.82                     | 2.07      | 1401      | 6.5                      | 13.0      | <b>14.0</b>              | 0.73   | 1.58  | C18             |
| Rectum                       | 694       | 3.6       | 6.3                      | <b>9.0</b>   | 0.48                     | 1.09      | 532       | 2.5                      | 4.9       | <b>5.4</b>               | 0.32   | 0.63  | C19-20          |
| Anus                         | 61        | 0.3       | 0.6                      | <b>0.7</b>   | 0.04                     | 0.08      | 82        | 0.4                      | 0.8       | <b>0.8</b>               | 0.06   | 0.09  | C21             |
| Liver                        | 858       | 4.4       | 7.8                      | <b>11.3</b>  | 0.70                     | 1.41      | 425       | 2.0                      | 4.0       | <b>4.4</b>               | 0.19   | 0.55  | C22             |
| Gallbladder etc.             | 171       | 0.9       | 1.6                      | <b>2.2</b>   | 0.10                     | 0.27      | 355       | 1.6                      | 3.3       | <b>3.6</b>               | 0.19   | 0.41  | C23-24          |
| Pancreas                     | 463       | 2.4       | 4.2                      | <b>6.5</b>   | 0.27                     | 0.80      | 543       | 2.5                      | 5.1       | <b>5.3</b>               | 0.23   | 0.61  | C25             |
| Nose, sinuses etc.           | 41        | 0.2       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.06      | 42        | 0.2                      | 0.4       | <b>0.4</b>               | 0.03   | 0.04  | C30-31          |
| Larynx                       | 218       | 1.1       | 2.0                      | <b>3.2</b>   | 0.16                     | 0.42      | 34        | 0.2                      | 0.3       | <b>0.4</b>               | 0.02   | 0.05  | C32             |
| Trachea, bronchus and lung   | 1534      | 7.9       | 13.9                     | <b>21.3</b>  | 0.72                     | 2.59      | 1183      | 5.5                      | 11.0      | <b>11.7</b>              | 0.44   | 1.35  | C33-34          |
| Other thoracic organs        | 48        | 0.2       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 22        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 111       | 0.6       | 1.0                      | <b>1.1</b>   | 0.07                     | 0.10      | 83        | 0.4                      | 0.8       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 214       | 1.1       | 1.9                      | <b>2.5</b>   | 0.13                     | 0.27      | 288       | 1.3                      | 2.7       | <b>2.7</b>               | 0.19   | 0.29  | C43             |
| Other skin                   | 79        | 0.4       | 0.7                      | <b>0.9</b>   | 0.06                     | 0.10      | 111       | 0.5                      | 1.0       | <b>1.1</b>               | 0.07   | 0.11  | C44             |
| Mesothelioma                 | 64        | 0.3       | 0.6                      | <b>0.8</b>   | 0.03                     | 0.09      | 37        | 0.2                      | 0.3       | <b>0.4</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 194       | 1.0       | 1.8                      | <b>1.7</b>   | 0.12                     | 0.15      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 213       | 1.1       | 1.9                      | <b>2.2</b>   | 0.14                     | 0.24      | 198       | 0.9                      | 1.8       | <b>1.8</b>               | 0.12   | 0.17  | C47+C49         |
| Breast                       | 21        | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.03      | 5985      | 27.8                     | 55.7      | <b>61.0</b>              | 4.40   | 7.07  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 116       | 0.5                      | 1.1       | <b>1.1</b>               | 0.05   | 0.12  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 64        | 0.3                      | 0.6       | <b>0.6</b>               | 0.04   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 1220      | 5.7                      | 11.3      | <b>11.6</b>              | 0.89   | 1.24  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 1364      | 6.3                      | 12.7      | <b>14.4</b>              | 1.08   | 1.74  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 31        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 855       | 4.0                      | 8.0       | <b>8.6</b>               | 0.56   | 0.96  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 34        | 0.2                      | 0.3       | <b>0.4</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 16        | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 70        | 0.4       | 0.6                      | <b>0.8</b>   | 0.05                     | 0.09      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 5526      | 28.3      | 50.2                     | <b>82.2</b>  | 3.53                     | 11.17     |           |                          |           |                          |        |       | C61             |
| Testis                       | 559       | 2.9       | 5.1                      | <b>4.4</b>   | 0.31                     | 0.31      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 10        | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 896       | 4.6       | 8.1                      | <b>11.7</b>  | 0.68                     | 1.45      | 582       | 2.7                      | 5.4       | <b>6.0</b>               | 0.36   | 0.71  | C64             |
| Renal pelvis                 | 37        | 0.2       | 0.3                      | <b>0.5</b>   | 0.01                     | 0.07      | 31        | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.05  | C65             |
| Ureter                       | 14        | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.03      | 14        | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 719       | 3.7       | 6.5                      | <b>9.7</b>   | 0.34                     | 1.09      | 263       | 1.2                      | 2.4       | <b>2.5</b>               | 0.10   | 0.28  | C67             |
| Other urinary organs         | 13        | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 49        | 0.3       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.04      | 42        | 0.2                      | 0.4       | <b>0.4</b>               | 0.02   | 0.03  | C69             |
| Brain, nervous system        | 460       | 2.4       | 4.2                      | <b>4.9</b>   | 0.28                     | 0.49      | 384       | 1.8                      | 3.6       | <b>3.8</b>               | 0.23   | 0.35  | C70-72          |
| Thyroid                      | 243       | 1.2       | 2.2                      | <b>2.6</b>   | 0.19                     | 0.29      | 1212      | 5.6                      | 11.3      | <b>11.3</b>              | 0.88   | 1.13  | C73             |
| Adrenal gland                | 21        | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.03      | 34        | 0.2                      | 0.3       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 21        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 10        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 248       | 1.3       | 2.3                      | <b>2.5</b>   | 0.17                     | 0.24      | 183       | 0.9                      | 1.7       | <b>1.7</b>               | 0.11   | 0.15  | C81             |
| Non-Hodgkin lymphoma         | 1083      | 5.5       | 9.8                      | <b>12.7</b>  | 0.71                     | 1.39      | 941       | 4.4                      | 8.8       | <b>9.4</b>               | 0.50   | 1.08  | C82-85,C96      |
| Immunoproliferative diseases | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 316       | 1.6       | 2.9                      | <b>4.3</b>   | 0.22                     | 0.52      | 274       | 1.3                      | 2.5       | <b>2.8</b>               | 0.14   | 0.35  | C90             |
| Lymphoid leukaemia           | 490       | 2.5       | 4.4                      | <b>5.1</b>   | 0.25                     | 0.38      | 368       | 1.7                      | 3.4       | <b>3.7</b>               | 0.21   | 0.31  | C91             |
| Myeloid leukaemia            | 374       | 1.9       | 3.4                      | <b>4.1</b>   | 0.24                     | 0.39      | 275       | 1.3                      | 2.6       | <b>2.6</b>               | 0.15   | 0.26  | C92-94          |
| Leukaemia unspecified        | 20        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 26        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 70        | 0.4       | 0.6                      | <b>0.8</b>   | 0.04                     | 0.08      | 97        | 0.5                      | 0.9       | <b>1.0</b>               | 0.06   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 139       | 0.7       | 1.3                      | <b>1.7</b>   | 0.05                     | 0.18      | 136       | 0.6                      | 1.3       | <b>1.3</b>               | 0.04   | 0.13  | MDS             |
| Other and unspecified        | 476       | 2.4       | 4.3                      | <b>6.3</b>   | 0.27                     | 0.73      | 639       | 3.0                      | 5.9       | <b>6.2</b>               | 0.27   | 0.68  | O&U             |
| All sites                    | 19603     |           | 177.9                    | <b>257.0</b> | 12.33                    | 31.04     | 21637     |                          | 201.2     | <b>215.5</b>             | 13.43  | 24.19 | C00-96          |
| All sites except C44         | 19524     | 100.0     | 177.2                    | <b>256.2</b> | 12.27                    | 30.94     | 21526     | 100.0                    | 200.2     | <b>214.5</b>             | 13.36  | 24.08 | C00-96 exc. C44 |

§Includes 2 cases of unknown age

\*See note following population pyramid

**\*USA, California, Los Angeles County: Japanese (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 10        | 0.6       | 3.5                      | <b>2.1</b>   | 0.17                     | 0.26      | 6         | 0.4                      | 1.8       | <b>0.7</b>               | 0.04   | 0.08  | C01-02          |
| Mouth                        | 2         | 0.1       | 0.7                      | <b>0.2</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.02  | C03-06          |
| Salivary glands              | 2         | 0.1       | 0.7                      | <b>0.3</b>   | 0.02                     | 0.02      | 6         | 0.4                      | 1.8       | <b>1.2</b>               | 0.11   | 0.13  | C07-08          |
| Tonsil                       | 3         | 0.2       | 1.1                      | <b>0.6</b>   | 0.03                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C09             |
| Other oropharynx             | 1         | 0.1       | 0.4                      | <b>0.1</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 2         | 0.1       | 0.7                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 3         | 0.2       | 1.1                      | <b>0.8</b>   | 0.07                     | 0.07      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.00                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 33        | 2.1       | 11.6                     | <b>5.7</b>   | 0.42                     | 0.68      | 9         | 0.6                      | 2.7       | <b>1.2</b>               | 0.11   | 0.15  | C15             |
| Stomach                      | 112       | 7.0       | 39.5                     | <b>15.4</b>  | 0.74                     | 1.62      | 82        | 5.0                      | 24.9      | <b>10.0</b>              | 0.57   | 1.15  | C16             |
| Small intestine              | 9         | 0.6       | 3.2                      | <b>1.0</b>   | 0.00                     | 0.09      | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C17             |
| Colon                        | 182       | 11.3      | 64.2                     | <b>28.5</b>  | 1.58                     | 2.99      | 193       | 11.8                     | 58.5      | <b>23.5</b>              | 1.47   | 2.63  | C18             |
| Rectum                       | 103       | 6.4       | 36.3                     | <b>18.6</b>  | 1.18                     | 2.38      | 61        | 3.7                      | 18.5      | <b>8.6</b>               | 0.57   | 0.99  | C19-20          |
| Anus                         | 3         | 0.2       | 1.1                      | <b>0.6</b>   | 0.04                     | 0.04      | 7         | 0.4                      | 2.1       | <b>0.8</b>               | 0.04   | 0.09  | C21             |
| Liver                        | 48        | 3.0       | 16.9                     | <b>10.4</b>  | 0.64                     | 1.26      | 42        | 2.6                      | 12.7      | <b>4.6</b>               | 0.21   | 0.57  | C22             |
| Gallbladder etc.             | 22        | 1.4       | 7.8                      | <b>3.5</b>   | 0.15                     | 0.40      | 18        | 1.1                      | 5.5       | <b>2.1</b>               | 0.12   | 0.19  | C23-24          |
| Pancreas                     | 55        | 3.4       | 19.4                     | <b>8.9</b>   | 0.43                     | 0.86      | 63        | 3.9                      | 19.1      | <b>6.7</b>               | 0.28   | 0.78  | C25             |
| Nose, sinuses etc.           | 3         | 0.2       | 1.1                      | <b>0.6</b>   | 0.03                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 6         | 0.4       | 2.1                      | <b>1.3</b>   | 0.10                     | 0.18      | 1         | 0.1                      | 0.3       | <b>0.0</b>               | 0.00   | 0.00  | C32             |
| Trachea, bronchus and lung   | 216       | 13.4      | 76.2                     | <b>31.0</b>  | 1.50                     | 3.42      | 144       | 8.8                      | 43.7      | <b>15.8</b>              | 0.81   | 1.87  | C33-34          |
| Other thoracic organs        | 4         | 0.2       | 1.4                      | <b>0.7</b>   | 0.04                     | 0.07      | 2         | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 1         | 0.1       | 0.4                      | <b>0.9</b>   | 0.04                     | 0.04      | 1         | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C40-41          |
| Melanoma of skin             | 6         | 0.4       | 2.1                      | <b>1.4</b>   | 0.10                     | 0.14      | 4         | 0.2                      | 1.2       | <b>0.7</b>               | 0.06   | 0.06  | C43             |
| Other skin                   | 3         | 0.2       | 1.1                      | <b>0.5</b>   | 0.03                     | 0.03      | 6         | 0.4                      | 1.8       | <b>0.7</b>               | 0.02   | 0.02  | C44             |
| Mesothelioma                 | 3         | 0.2       | 1.1                      | <b>0.9</b>   | 0.08                     | 0.13      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 11        | 0.7       | 3.9                      | <b>2.7</b>   | 0.14                     | 0.17      | 7         | 0.4                      | 2.1       | <b>1.4</b>               | 0.11   | 0.14  | C47+C49         |
| Breast                       | 1         | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                     | 0.02      | 509       | 31.1                     | 154.3     | <b>85.4</b>              | 6.91   | 9.36  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 2         | 0.1                      | 0.6       | <b>0.3</b>               | 0.03   | 0.03  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 1         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.02  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 42        | 2.6                      | 12.7      | <b>8.9</b>               | 0.75   | 0.85  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 99        | 6.1                      | 30.0      | <b>16.9</b>              | 1.37   | 2.04  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 3         | 0.2                      | 0.9       | <b>0.6</b>               | 0.06   | 0.06  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 60        | 3.7                      | 18.2      | <b>10.7</b>              | 0.91   | 1.06  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 418       | 26.0      | 147.4                    | <b>70.0</b>  | 3.69                     | 8.88      |           |                          |           |                          |        |       | C61             |
| Testis                       | 20        | 1.2       | 7.1                      | <b>5.6</b>   | 0.41                     | 0.53      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.00                     | 0.04      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 30        | 1.9       | 10.6                     | <b>5.9</b>   | 0.47                     | 0.73      | 17        | 1.0                      | 5.2       | <b>3.6</b>               | 0.24   | 0.37  | C64             |
| Renal pelvis                 | 2         | 0.1       | 0.7                      | <b>0.3</b>   | 0.00                     | 0.04      | 5         | 0.3                      | 1.5       | <b>0.5</b>               | 0.00   | 0.05  | C65             |
| Ureter                       | 2         | 0.1       | 0.7                      | <b>0.3</b>   | 0.00                     | 0.03      | 3         | 0.2                      | 0.9       | <b>0.3</b>               | 0.00   | 0.05  | C66             |
| Bladder                      | 97        | 6.0       | 34.2                     | <b>12.8</b>  | 0.53                     | 1.17      | 24        | 1.5                      | 7.3       | <b>3.0</b>               | 0.17   | 0.32  | C67             |
| Other urinary organs         | 3         | 0.2       | 1.1                      | <b>0.3</b>   | 0.00                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.6       | <b>0.5</b>               | 0.05   | 0.05  | C69             |
| Brain, nervous system        | 16        | 1.0       | 5.6                      | <b>6.7</b>   | 0.36                     | 0.43      | 9         | 0.6                      | 2.7       | <b>2.3</b>               | 0.15   | 0.20  | C70-72          |
| Thyroid                      | 12        | 0.7       | 4.2                      | <b>3.0</b>   | 0.29                     | 0.32      | 33        | 2.0                      | 10.0      | <b>7.1</b>               | 0.59   | 0.71  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.3       | <b>1.0</b>               | 0.04   | 0.04  | C74             |
| Other endocrine              | 1         | 0.1       | 0.4                      | <b>0.7</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 1         | 0.1       | 0.4                      | <b>0.1</b>   | 0.00                     | 0.00      | 4         | 0.2                      | 1.2       | <b>0.9</b>               | 0.07   | 0.10  | C81             |
| Non-Hodgkin lymphoma         | 58        | 3.6       | 20.4                     | <b>8.7</b>   | 0.44                     | 0.94      | 71        | 4.3                      | 21.5      | <b>9.4</b>               | 0.56   | 0.92  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 15        | 0.9       | 5.3                      | <b>1.8</b>   | 0.03                     | 0.19      | 10        | 0.6                      | 3.0       | <b>1.1</b>               | 0.06   | 0.11  | C90             |
| Lymphoid leukaemia           | 11        | 0.7       | 3.9                      | <b>2.1</b>   | 0.08                     | 0.22      | 7         | 0.4                      | 2.1       | <b>1.7</b>               | 0.11   | 0.14  | C91             |
| Myeloid leukaemia            | 15        | 0.9       | 5.3                      | <b>2.8</b>   | 0.22                     | 0.32      | 14        | 0.9                      | 4.2       | <b>2.2</b>               | 0.13   | 0.21  | C92-94          |
| Leukaemia unspecified        | 2         | 0.1       | 0.7                      | <b>0.2</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 2         | 0.1       | 0.7                      | <b>0.4</b>   | 0.00                     | 0.08      | 9         | 0.6                      | 2.7       | <b>1.0</b>               | 0.02   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 21        | 1.3       | 7.4                      | <b>2.1</b>   | 0.05                     | 0.18      | 22        | 1.3                      | 6.7       | <b>2.2</b>               | 0.11   | 0.23  | MDS             |
| Other and unspecified        | 38        | 2.4       | 13.4                     | <b>5.0</b>   | 0.19                     | 0.51      | 36        | 2.2                      | 10.9      | <b>4.5</b>               | 0.25   | 0.45  | O&U             |
| All sites                    | 1610      |           | 567.6                    | <b>266.4</b> | 14.41                    | 29.80     | 1641      |                          | 497.4     | <b>243.6</b>             | 17.24  | 26.45 | C00-96          |
| All sites except C44         | 1607      | 100.0     | 566.5                    | <b>265.8</b> | 14.38                    | 29.77     | 1635      | 100.0                    | 495.6     | <b>242.9</b>             | 17.21  | 26.43 | C00-96 exc. C44 |

\*See note following population pyramid

## \*USA, California, Los Angeles County: Korean (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 9         | 0.6       | 1.8                      | <b>1.5</b>   | 0.09                     | 0.21      | 9         | 0.6                      | 1.6       | <b>1.2</b>               | 0.11   | 0.17  | C01-02          |
| Mouth                        | 5         | 0.3       | 1.0                      | <b>0.8</b>   | 0.05                     | 0.09      | 4         | 0.3                      | 0.7       | <b>0.4</b>               | 0.02   | 0.02  | C03-06          |
| Salivary glands              | 5         | 0.3       | 1.0                      | <b>0.8</b>   | 0.07                     | 0.11      | 3         | 0.2                      | 0.5       | <b>0.4</b>               | 0.03   | 0.03  | C07-08          |
| Tonsil                       | 8         | 0.5       | 1.6                      | <b>1.3</b>   | 0.08                     | 0.15      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 3         | 0.2       | 0.6                      | <b>0.6</b>   | 0.00                     | 0.13      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 3         | 0.2       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 18        | 1.1       | 3.7                      | <b>2.9</b>   | 0.15                     | 0.40      | 2         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.01  | C15             |
| Stomach                      | 245       | 15.4      | 49.9                     | <b>39.4</b>  | 1.57                     | 4.91      | 157       | 10.1                     | 28.4      | <b>17.6</b>              | 0.75   | 1.85  | C16             |
| Small intestine              | 8         | 0.5       | 1.6                      | <b>1.3</b>   | 0.03                     | 0.20      | 2         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.05  | C17             |
| Colon                        | 144       | 9.1       | 29.3                     | <b>23.0</b>  | 0.69                     | 2.78      | 125       | 8.0                      | 22.6      | <b>15.4</b>              | 0.93   | 1.81  | C18             |
| Rectum                       | 97        | 6.1       | 19.7                     | <b>15.6</b>  | 0.91                     | 1.95      | 83        | 5.3                      | 15.0      | <b>10.0</b>              | 0.62   | 1.10  | C19-20          |
| Anus                         | 4         | 0.3       | 0.8                      | <b>0.6</b>   | 0.02                     | 0.05      | 2         | 0.1                      | 0.4       | <b>0.1</b>               | 0.00   | 0.00  | C21             |
| Liver                        | 161       | 10.2      | 32.8                     | <b>26.3</b>  | 1.44                     | 3.18      | 69        | 4.4                      | 12.5      | <b>8.1</b>               | 0.28   | 1.04  | C22             |
| Gallbladder etc.             | 36        | 2.3       | 7.3                      | <b>5.7</b>   | 0.20                     | 0.70      | 42        | 2.7                      | 7.6       | <b>4.5</b>               | 0.22   | 0.48  | C23-24          |
| Pancreas                     | 62        | 3.9       | 12.6                     | <b>10.3</b>  | 0.50                     | 1.39      | 54        | 3.5                      | 9.8       | <b>6.3</b>               | 0.30   | 0.75  | C25             |
| Nose, sinuses etc.           | 3         | 0.2       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 15        | 0.9       | 3.1                      | <b>2.4</b>   | 0.16                     | 0.30      | 2         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.05  | C32             |
| Trachea, bronchus and lung   | 195       | 12.3      | 39.7                     | <b>30.6</b>  | 0.92                     | 3.56      | 123       | 7.9                      | 22.2      | <b>13.8</b>              | 0.55   | 1.58  | C33-34          |
| Other thoracic organs        | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.05      | 2         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 4         | 0.3       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.06      | 6         | 0.4                      | 1.1       | <b>1.5</b>               | 0.08   | 0.08  | C40-41          |
| Melanoma of skin             | 5         | 0.3       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.14      | 4         | 0.3                      | 0.7       | <b>0.5</b>               | 0.02   | 0.05  | C43             |
| Other skin                   | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.05      | 5         | 0.3                      | 0.9       | <b>0.5</b>               | 0.01   | 0.04  | C44             |
| Mesothelioma                 | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 2         | 0.1       | 0.4                      | <b>0.3</b>   | 0.00                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 8         | 0.5       | 1.6                      | <b>1.2</b>   | 0.06                     | 0.13      | 5         | 0.3                      | 0.9       | <b>0.8</b>               | 0.06   | 0.09  | C47+C49         |
| Breast                       | 5         | 0.3       | 1.0                      | <b>0.9</b>   | 0.02                     | 0.16      | 406       | 26.1                     | 73.4      | <b>53.1</b>              | 4.29   | 5.76  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 6         | 0.4                      | 1.1       | <b>0.6</b>               | 0.00   | 0.06  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 3         | 0.2                      | 0.5       | <b>0.3</b>               | 0.01   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 65        | 4.2                      | 11.8      | <b>7.9</b>               | 0.59   | 0.73  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 42        | 2.7                      | 7.6       | <b>5.3</b>               | 0.37   | 0.56  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 2         | 0.1                      | 0.4       | <b>0.2</b>               | 0.00   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 48        | 3.1                      | 8.7       | <b>6.1</b>               | 0.46   | 0.63  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.01  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 2         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 216       | 13.6      | 44.0                     | <b>35.9</b>  | 0.77                     | 5.17      |           |                          |           |                          |        |       | C61             |
| Testis                       | 6         | 0.4       | 1.2                      | <b>0.9</b>   | 0.08                     | 0.08      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4         | 0.3       | 0.8                      | <b>0.7</b>   | 0.04                     | 0.12      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 40        | 2.5       | 8.1                      | <b>6.4</b>   | 0.37                     | 0.73      | 20        | 1.3                      | 3.6       | <b>2.4</b>               | 0.10   | 0.29  | C64             |
| Renal pelvis                 | 3         | 0.2       | 0.6                      | <b>0.5</b>   | 0.00                     | 0.09      | 5         | 0.3                      | 0.9       | <b>0.7</b>               | 0.03   | 0.12  | C65             |
| Ureter                       | 4         | 0.3       | 0.8                      | <b>0.7</b>   | 0.00                     | 0.13      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C66             |
| Bladder                      | 101       | 6.4       | 20.6                     | <b>16.2</b>  | 0.46                     | 2.13      | 16        | 1.0                      | 2.9       | <b>1.7</b>               | 0.00   | 0.17  | C67             |
| Other urinary organs         | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.4       | <b>0.1</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 15        | 0.9       | 3.1                      | <b>2.7</b>   | 0.16                     | 0.33      | 15        | 1.0                      | 2.7       | <b>2.5</b>               | 0.15   | 0.20  | C70-72          |
| Thyroid                      | 20        | 1.3       | 4.1                      | <b>3.3</b>   | 0.25                     | 0.36      | 84        | 5.4                      | 15.2      | <b>11.5</b>              | 0.82   | 1.26  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C74             |
| Other endocrine              | 2         | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.03      | 1         | 0.1                      | 0.2       | <b>0.3</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 2         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.03      | 3         | 0.2                      | 0.5       | <b>0.5</b>               | 0.03   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 42        | 2.6       | 8.5                      | <b>6.6</b>   | 0.43                     | 0.81      | 42        | 2.7                      | 7.6       | <b>5.4</b>               | 0.31   | 0.73  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 10        | 0.6       | 2.0                      | <b>1.6</b>   | 0.07                     | 0.18      | 9         | 0.6                      | 1.6       | <b>1.1</b>               | 0.07   | 0.12  | C90             |
| Lymphoid leukaemia           | 6         | 0.4       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.11      | 3         | 0.2                      | 0.5       | <b>0.6</b>               | 0.03   | 0.06  | C91             |
| Myeloid leukaemia            | 16        | 1.0       | 3.3                      | <b>3.1</b>   | 0.15                     | 0.22      | 17        | 1.1                      | 3.1       | <b>1.9</b>               | 0.11   | 0.20  | C92-94          |
| Leukaemia unspecified        | 1         | 0.1       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.03  | C95             |
| Myeloproliferative disorders | 3         | 0.2       | 0.6                      | <b>0.5</b>   | 0.05                     | 0.05      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | MPD             |
| Myelodysplastic syndromes    | 12        | 0.8       | 2.4                      | <b>1.9</b>   | 0.08                     | 0.24      | 17        | 1.1                      | 3.1       | <b>2.0</b>               | 0.09   | 0.15  | MDS             |
| Other and unspecified        | 32        | 2.0       | 6.5                      | <b>5.2</b>   | 0.16                     | 0.67      | 50        | 3.2                      | 9.0       | <b>5.1</b>               | 0.22   | 0.45  | O&U             |
| All sites                    | 1587      |           | 322.9                    | <b>257.7</b> | 10.34                    | 32.38     | 1561      |                          | 282.3     | <b>192.4</b>             | 11.82  | 20.93 | C00-96          |
| All sites except C44         | 1586      | 100.0     | 322.7                    | <b>257.5</b> | 10.34                    | 32.33     | 1556      | 100.0                    | 281.4     | <b>191.9</b>             | 11.80  | 20.89 | C00-96 exc. C44 |

\*See note following population pyramid

## \*USA, California, Los Angeles County: Non-Hispanic White (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 103        | 0.2       | 1.4                      | <b>0.8</b>   | 0.05                     | 0.09       | 35        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 449        | 0.9       | 6.1                      | <b>3.7</b>   | 0.26                     | 0.46       | 205       | 0.4                      | 2.7       | <b>1.4</b>               | 0.09   | 0.16  | C01-02          |
| Mouth                        | 221        | 0.5       | 3.0                      | <b>1.7</b>   | 0.10                     | 0.22       | 160       | 0.3                      | 2.1       | <b>1.0</b>               | 0.05   | 0.11  | C03-06          |
| Salivary glands              | 156        | 0.3       | 2.1                      | <b>1.1</b>   | 0.05                     | 0.12       | 102       | 0.2                      | 1.4       | <b>0.7</b>               | 0.04   | 0.08  | C07-08          |
| Tonsil                       | 280        | 0.6       | 3.8                      | <b>2.4</b>   | 0.20                     | 0.28       | 70        | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 54         | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                     | 0.05       | 21        | 0.0                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 56         | 0.1       | 0.8                      | <b>0.5</b>   | 0.04                     | 0.05       | 19        | 0.0                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 85         | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                     | 0.09       | 27        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 31         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03       | 12        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 620        | 1.3       | 8.4                      | <b>4.6</b>   | 0.23                     | 0.58       | 240       | 0.5                      | 3.2       | <b>1.2</b>               | 0.05   | 0.15  | C15             |
| Stomach                      | 824        | 1.7       | 11.1                     | <b>5.7</b>   | 0.27                     | 0.67       | 466       | 1.0                      | 6.2       | <b>2.3</b>               | 0.11   | 0.25  | C16             |
| Small intestine              | 202        | 0.4       | 2.7                      | <b>1.4</b>   | 0.09                     | 0.15       | 137       | 0.3                      | 1.8       | <b>0.8</b>               | 0.05   | 0.10  | C17             |
| Colon                        | 3387       | 7.1       | 45.8                     | <b>23.1</b>  | 1.04                     | 2.73       | 3569      | 7.8                      | 47.6      | <b>18.2</b>              | 0.85   | 2.05  | C18             |
| Rectum                       | 1395       | 2.9       | 18.9                     | <b>10.5</b>  | 0.59                     | 1.28       | 1138      | 2.5                      | 15.2      | <b>6.8</b>               | 0.39   | 0.79  | C19-20          |
| Anus                         | 201        | 0.4       | 2.7                      | <b>1.6</b>   | 0.10                     | 0.16       | 252       | 0.6                      | 3.4       | <b>1.7</b>               | 0.13   | 0.21  | C21             |
| Liver                        | 734        | 1.5       | 9.9                      | <b>5.7</b>   | 0.38                     | 0.68       | 335       | 0.7                      | 4.5       | <b>2.0</b>               | 0.10   | 0.23  | C22             |
| Gallbladder etc.             | 220        | 0.5       | 3.0                      | <b>1.3</b>   | 0.06                     | 0.14       | 290       | 0.6                      | 3.9       | <b>1.5</b>               | 0.07   | 0.18  | C23-24          |
| Pancreas                     | 1131       | 2.4       | 15.3                     | <b>7.8</b>   | 0.41                     | 0.91       | 1236      | 2.7                      | 16.5      | <b>6.2</b>               | 0.28   | 0.70  | C25             |
| Nose, sinuses etc.           | 78         | 0.2       | 1.1                      | <b>0.6</b>   | 0.03                     | 0.07       | 68        | 0.1                      | 0.9       | <b>0.4</b>               | 0.03   | 0.04  | C30-31          |
| Larynx                       | 516        | 1.1       | 7.0                      | <b>3.8</b>   | 0.21                     | 0.47       | 103       | 0.2                      | 1.4       | <b>0.7</b>               | 0.05   | 0.09  | C32             |
| Trachea, bronchus and lung   | 5695       | 12.0      | 77.0                     | <b>39.4</b>  | 1.63                     | 5.01       | 5559      | 12.1                     | 74.1      | <b>31.9</b>              | 1.41   | 4.14  | C33-34          |
| Other thoracic organs        | 59         | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.05       | 34        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 120        | 0.3       | 1.6                      | <b>1.5</b>   | 0.09                     | 0.11       | 85        | 0.2                      | 1.1       | <b>1.0</b>               | 0.07   | 0.07  | C40-41          |
| Melanoma of skin             | 3265       | 6.9       | 44.2                     | <b>25.7</b>  | 1.64                     | 2.77       | 2055      | 4.5                      | 27.4      | <b>16.9</b>              | 1.22   | 1.69  | C43             |
| Other skin                   | 370        | 0.8       | 5.0                      | <b>2.5</b>   | 0.11                     | 0.24       | 204       | 0.5                      | 2.7       | <b>1.2</b>               | 0.08   | 0.11  | C44             |
| Mesothelioma                 | 174        | 0.4       | 2.4                      | <b>1.1</b>   | 0.04                     | 0.14       | 49        | 0.1                      | 0.7       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 196        | 0.4       | 2.7                      | <b>1.8</b>   | 0.14                     | 0.17       | 14        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 426        | 0.9       | 5.8                      | <b>3.4</b>   | 0.18                     | 0.34       | 255       | 0.6                      | 3.4       | <b>2.0</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 109        | 0.2       | 1.5                      | <b>0.8</b>   | 0.04                     | 0.11       | 14002     | 30.6                     | 186.7     | <b>103.4</b>             | 7.39   | 12.08 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 251       | 0.5                      | 3.3       | <b>1.5</b>               | 0.09   | 0.16  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 75        | 0.2                      | 1.0       | <b>0.5</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 664       | 1.5                      | 8.9       | <b>6.0</b>               | 0.47   | 0.59  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 2653      | 5.8                      | 35.4      | <b>19.3</b>              | 1.39   | 2.39  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 58        | 0.1                      | 0.8       | <b>0.3</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 1600      | 3.5                      | 21.3      | <b>11.4</b>              | 0.77   | 1.29  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 88        | 0.2                      | 1.2       | <b>0.6</b>               | 0.04   | 0.06  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 3         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 54         | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.05       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 12841      | 27.0      | 173.7                    | <b>98.7</b>  | 5.19                     | 13.46      |           |                          |           |                          |        |       | C61             |
| Testis                       | 580        | 1.2       | 7.8                      | <b>7.0</b>   | 0.52                     | 0.54       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 26         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1469       | 3.1       | 19.9                     | <b>11.4</b>  | 0.72                     | 1.35       | 801       | 1.7                      | 10.7      | <b>5.7</b>               | 0.35   | 0.66  | C64             |
| Renal pelvis                 | 137        | 0.3       | 1.9                      | <b>0.9</b>   | 0.04                     | 0.09       | 80        | 0.2                      | 1.1       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 62         | 0.1       | 0.8                      | <b>0.4</b>   | 0.01                     | 0.05       | 41        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 3692       | 7.8       | 49.9                     | <b>24.0</b>  | 0.96                     | 2.78       | 1128      | 2.5                      | 15.0      | <b>5.8</b>               | 0.25   | 0.69  | C67             |
| Other urinary organs         | 37         | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                     | 0.03       | 24        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 86         | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                     | 0.07       | 90        | 0.2                      | 1.2       | <b>0.8</b>               | 0.05   | 0.08  | C69             |
| Brain, nervous system        | 747        | 1.6       | 10.1                     | <b>7.1</b>   | 0.46                     | 0.69       | 591       | 1.3                      | 7.9       | <b>5.6</b>               | 0.34   | 0.51  | C70-72          |
| Thyroid                      | 555        | 1.2       | 7.5                      | <b>5.0</b>   | 0.38                     | 0.52       | 1394      | 3.0                      | 18.6      | <b>13.5</b>              | 1.04   | 1.31  | C73             |
| Adrenal gland                | 26         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.02       | 23        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 17         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 9         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 303        | 0.6       | 4.1                      | <b>3.5</b>   | 0.25                     | 0.29       | 253       | 0.6                      | 3.4       | <b>3.0</b>               | 0.21   | 0.24  | C81             |
| Non-Hodgkin lymphoma         | 2225       | 4.7       | 30.1                     | <b>17.1</b>  | 0.96                     | 1.90       | 1883      | 4.1                      | 25.1      | <b>11.6</b>              | 0.65   | 1.32  | C82-85,C96      |
| Immunoproliferative diseases | 54         | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.05       | 37        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C88             |
| Multiple myeloma             | 554        | 1.2       | 7.5                      | <b>3.9</b>   | 0.18                     | 0.48       | 432       | 0.9                      | 5.8       | <b>2.4</b>               | 0.13   | 0.29  | C90             |
| Lymphoid leukaemia           | 811        | 1.7       | 11.0                     | <b>7.3</b>   | 0.38                     | 0.68       | 557       | 1.2                      | 7.4       | <b>4.2</b>               | 0.22   | 0.40  | C91             |
| Myeloid leukaemia            | 628        | 1.3       | 8.5                      | <b>5.0</b>   | 0.26                     | 0.53       | 478       | 1.0                      | 6.4       | <b>3.1</b>               | 0.17   | 0.32  | C92-94          |
| Leukaemia unspecified        | 39         | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                     | 0.02       | 34        | 0.1                      | 0.5       | <b>0.1</b>               | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 275        | 0.6       | 3.7                      | <b>1.9</b>   | 0.11                     | 0.21       | 250       | 0.5                      | 3.3       | <b>1.5</b>               | 0.09   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 508        | 1.1       | 6.9                      | <b>2.9</b>   | 0.07                     | 0.26       | 393       | 0.9                      | 5.2       | <b>1.8</b>               | 0.07   | 0.19  | MDS             |
| Other and unspecified        | 1099       | 2.3       | 14.9                     | <b>7.4</b>   | 0.36                     | 0.81       | 1344      | 2.9                      | 17.9      | <b>6.8</b>               | 0.34   | 0.74  | O&U             |
| All sites                    | 47982      |           | 649.1                    | <b>360.6</b> | 19.05                    | 43.11      | 45976     |                          | 613.2     | <b>310.3</b>             | 19.48  | 35.32 | C00-96          |
| All sites except C44         | 47612      | 100.0     | 644.1                    | <b>358.2</b> | 18.93                    | 42.87      | 45772     | 100.0                    | 610.5     | <b>309.1</b>             | 19.40  | 35.21 | C00-96 exc. C44 |

§Includes 2 cases of unknown age

§Includes 3 cases of unknown age

\*See note following population pyramid

**\*USA, California, Los Angeles County: White (2003-2007)**

| SITE                         | Male       |           |                          |              |                     | Female   |            |           |                          |              | ICD-10 |                     |                 |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|------------|-----------|--------------------------|--------------|--------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | 0-74 (%)        |
| Lip                          | 123        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                | 0.07     | 42         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C00             |
| Tongue                       | 551        | 0.8       | 3.0                      | <b>2.8</b>   | 0.18                | 0.34     | 279        | 0.4       | 1.5                      | <b>1.1</b>   | 0.07   | 0.13                | C01-02          |
| Mouth                        | 298        | 0.4       | 1.6                      | <b>1.5</b>   | 0.09                | 0.18     | 214        | 0.3       | 1.2                      | <b>0.8</b>   | 0.04   | 0.09                | C03-06          |
| Salivary glands              | 213        | 0.3       | 1.2                      | <b>0.9</b>   | 0.04                | 0.10     | 169        | 0.3       | 0.9                      | <b>0.7</b>   | 0.04   | 0.08                | C07-08          |
| Tonsil                       | 347        | 0.5       | 1.9                      | <b>1.7</b>   | 0.15                | 0.21     | 95         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03   | 0.05                | C09             |
| Other oropharynx             | 66         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.04     | 26         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C10             |
| Nasopharynx                  | 84         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.05     | 34         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C11             |
| Hypopharynx                  | 131        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                | 0.09     | 37         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C12-13          |
| Pharynx unspecified          | 40         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.03     | 17         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C14             |
| Oesophagus                   | 824        | 1.2       | 4.5                      | <b>3.9</b>   | 0.19                | 0.49     | 293        | 0.4       | 1.6                      | <b>0.9</b>   | 0.03   | 0.12                | C15             |
| Stomach                      | 1590       | 2.4       | 8.6                      | <b>7.3</b>   | 0.36                | 0.85     | 1163       | 1.7       | 6.4                      | <b>4.2</b>   | 0.23   | 0.47                | C16             |
| Small intestine              | 268        | 0.4       | 1.5                      | <b>1.2</b>   | 0.07                | 0.13     | 209        | 0.3       | 1.1                      | <b>0.8</b>   | 0.05   | 0.09                | C17             |
| Colon                        | 4692       | 7.0       | 25.5                     | <b>21.2</b>  | 0.95                | 2.50     | 4970       | 7.4       | 27.2                     | <b>16.6</b>  | 0.79   | 1.87                | C18             |
| Rectum                       | 2089       | 3.1       | 11.3                     | <b>9.9</b>   | 0.55                | 1.21     | 1670       | 2.5       | 9.2                      | <b>6.3</b>   | 0.36   | 0.73                | C19-20          |
| Anus                         | 262        | 0.4       | 1.4                      | <b>1.2</b>   | 0.08                | 0.13     | 334        | 0.5       | 1.8                      | <b>1.3</b>   | 0.09   | 0.16                | C21             |
| Liver                        | 1592       | 2.4       | 8.6                      | <b>7.8</b>   | 0.51                | 0.95     | 760        | 1.1       | 4.2                      | <b>2.9</b>   | 0.14   | 0.35                | C22             |
| Gallbladder etc.             | 391        | 0.6       | 2.1                      | <b>1.7</b>   | 0.07                | 0.18     | 645        | 1.0       | 3.5                      | <b>2.3</b>   | 0.12   | 0.27                | C23-24          |
| Pancreas                     | 1594       | 2.4       | 8.7                      | <b>7.3</b>   | 0.35                | 0.86     | 1779       | 2.6       | 9.7                      | <b>5.8</b>   | 0.26   | 0.66                | C25             |
| Nose, sinuses etc.           | 119        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                | 0.07     | 110        | 0.2       | 0.6                      | <b>0.4</b>   | 0.03   | 0.04                | C30-31          |
| Larynx                       | 734        | 1.1       | 4.0                      | <b>3.5</b>   | 0.19                | 0.45     | 137        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04   | 0.07                | C32             |
| Trachea, bronchus and lung   | 7229       | 10.8      | 39.3                     | <b>33.0</b>  | 1.27                | 4.15     | 6742       | 10.0      | 36.9                     | <b>24.1</b>  | 1.00   | 3.06                | C33-34          |
| Other thoracic organs        | 107        | 0.2       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05     | 56         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02   | 0.03                | C37-38          |
| Bone                         | 231        | 0.3       | 1.3                      | <b>1.2</b>   | 0.08                | 0.10     | 168        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06   | 0.07                | C40-41          |
| Melanoma of skin             | 3479       | 5.2       | 18.9                     | <b>15.9</b>  | 0.95                | 1.74     | 2343       | 3.5       | 12.8                     | <b>9.8</b>   | 0.69   | 1.02                | C43             |
| Other skin                   | 449        | 0.7       | 2.4                      | <b>1.9</b>   | 0.09                | 0.19     | 315        | 0.5       | 1.7                      | <b>1.2</b>   | 0.07   | 0.11                | C44             |
| Mesothelioma                 | 238        | 0.4       | 1.3                      | <b>1.0</b>   | 0.04                | 0.12     | 86         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.04                | C45             |
| Kaposi sarcoma               | 390        | 0.6       | 2.1                      | <b>1.7</b>   | 0.13                | 0.16     | 20         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C46             |
| Connective and soft tissue   | 639        | 1.0       | 3.5                      | <b>3.0</b>   | 0.16                | 0.30     | 453        | 0.7       | 2.5                      | <b>2.0</b>   | 0.13   | 0.19                | C47+C49         |
| Breast                       | 130        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                | 0.08     | 19987      | 29.7      | 109.5                    | <b>85.1</b>  | 6.01   | 9.95                | C50             |
| Vulva                        |            |           |                          |              |                     |          | 367        | 0.5       | 2.0                      | <b>1.3</b>   | 0.07   | 0.14                | C51             |
| Vagina                       |            |           |                          |              |                     |          | 139        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03   | 0.06                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 1884       | 2.8       | 10.3                     | <b>8.5</b>   | 0.66   | 0.87                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 4017       | 6.0       | 22.0                     | <b>17.5</b>  | 1.27   | 2.14                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 89         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.03                | C55             |
| Ovary                        |            |           |                          |              |                     |          | 2455       | 3.6       | 13.5                     | <b>10.2</b>  | 0.67   | 1.15                | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 122        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03   | 0.05                | C57             |
| Placenta                     |            |           |                          |              |                     |          | 19         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C58             |
| Penis                        | 124        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                | 0.06     |            |           |                          |              |        |                     | C60             |
| Prostate                     | 18367      | 27.4      | 99.8                     | <b>92.1</b>  | 4.53                | 12.58    |            |           |                          |              |        |                     | C61             |
| Testis                       | 1139       | 1.7       | 6.2                      | <b>5.5</b>   | 0.40                | 0.42     |            |           |                          |              |        |                     | C62             |
| Other male genital organs    | 36         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02     |            |           |                          |              |        |                     | C63             |
| Kidney                       | 2365       | 3.5       | 12.8                     | <b>11.5</b>  | 0.70                | 1.38     | 1383       | 2.1       | 7.6                      | <b>5.7</b>   | 0.35   | 0.68                | C64             |
| Renal pelvis                 | 174        | 0.3       | 0.9                      | <b>0.7</b>   | 0.03                | 0.08     | 111        | 0.2       | 0.6                      | <b>0.3</b>   | 0.01   | 0.04                | C65             |
| Ureter                       | 76         | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                | 0.05     | 55         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C66             |
| Bladder                      | 4411       | 6.6       | 24.0                     | <b>19.1</b>  | 0.71                | 2.18     | 1391       | 2.1       | 7.6                      | <b>4.6</b>   | 0.19   | 0.53                | C67             |
| Other urinary organs         | 50         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02     | 31         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C68             |
| Eye                          | 135        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                | 0.06     | 132        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04   | 0.06                | C69             |
| Brain, nervous system        | 1207       | 1.8       | 6.6                      | <b>6.1</b>   | 0.37                | 0.60     | 975        | 1.4       | 5.3                      | <b>4.5</b>   | 0.28   | 0.43                | C70-72          |
| Thyroid                      | 798        | 1.2       | 4.3                      | <b>3.8</b>   | 0.28                | 0.42     | 2606       | 3.9       | 14.3                     | <b>12.2</b>  | 0.94   | 1.21                | C73             |
| Adrenal gland                | 47         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.02     | 57         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74             |
| Other endocrine              | 38         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | 19         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C75             |
| Hodgkin lymphoma             | 551        | 0.8       | 3.0                      | <b>2.7</b>   | 0.19                | 0.24     | 436        | 0.6       | 2.4                      | <b>2.1</b>   | 0.14   | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 3308       | 4.9       | 18.0                     | <b>15.3</b>  | 0.84                | 1.70     | 2824       | 4.2       | 15.5                     | <b>10.7</b>  | 0.58   | 1.22                | C82-85,C96      |
| Immunoproliferative diseases | 60         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.03     | 45         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C88             |
| Multiple myeloma             | 870        | 1.3       | 4.7                      | <b>4.0</b>   | 0.20                | 0.50     | 706        | 1.0       | 3.9                      | <b>2.6</b>   | 0.13   | 0.31                | C90             |
| Lymphoid leukaemia           | 1301       | 1.9       | 7.1                      | <b>6.7</b>   | 0.34                | 0.59     | 925        | 1.4       | 5.1                      | <b>4.2</b>   | 0.22   | 0.38                | C91             |
| Myeloid leukaemia            | 1002       | 1.5       | 5.4                      | <b>4.7</b>   | 0.25                | 0.48     | 753        | 1.1       | 4.1                      | <b>3.0</b>   | 0.16   | 0.30                | C92-94          |
| Leukaemia unspecified        | 59         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02     | 60         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.01                | C95             |
| Myeloproliferative disorders | 345        | 0.5       | 1.9                      | <b>1.5</b>   | 0.08                | 0.16     | 347        | 0.5       | 1.9                      | <b>1.3</b>   | 0.07   | 0.14                | MPD             |
| Myelodysplastic syndromes    | 647        | 1.0       | 3.5                      | <b>2.5</b>   | 0.06                | 0.23     | 529        | 0.8       | 2.9                      | <b>1.6</b>   | 0.06   | 0.17                | MDS             |
| Other and unspecified        | 1575       | 2.3       | 8.6                      | <b>7.0</b>   | 0.32                | 0.78     | 1983       | 2.9       | 10.9                     | <b>6.5</b>   | 0.31   | 0.72                | O&U             |
| All sites                    | 67585      |           | 367.1                    | <b>319.6</b> | 16.14               | 38.43    | 67613      |           | 370.5                    | <b>269.3</b> | 16.64  | 30.60               | C00-96          |
| All sites except C44         | 67136      | 100.0     | 364.7                    | <b>317.8</b> | 16.05               | 38.24    | 67298      | 100.0     | 368.8                    | <b>268.1</b> | 16.57  | 30.48               | C00-96 exc. C44 |

§Includes 4 cases of unknown age

§Includes 3 cases of unknown age

\*See note following population pyramid

# USA, California, San Francisco Bay Area

## REGISTRATION AREA

The Greater Bay Area Cancer Registry (GBACR) covers the populations of nine counties in the northern part of the state of California in the USA: Alameda, Contra Costa, Marin, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, and Santa Cruz. The region is noteworthy for its racial/ethnic diversity, with substantial Hispanic and Asian populations. Most of the area's residents live in the urban San Francisco Bay Area, which includes a major financial centre as well as the technology centre nicknamed Silicon Valley.

## CANCER CARE FACILITIES

Cancer screening, diagnosis, and treatment are provided mostly through private insurance programmes by private hospitals and physicians, but there are also publicly funded services. Cancer patients in the region are served by more than 71 hospitals (including two large academic cancer centres), as well as more than 21 000 physicians and free-standing radiation, surgery, and pathology services. A significant proportion of residents receive managed health care through health maintenance organizations.

## REGISTRY STRUCTURE AND METHODS

The GBACR has a staff of about 50 and is operated by the Cancer Prevention Institute of California. The GBACR has been part of the SEER Program since 1973, and data from Monterey, San Benito, Santa Clara, and Santa Cruz counties have been collected since 1988. The GBACR contains more than 900 000 incident cases and processes about 35 000 incident cases annually. Cancer has been a reportable disease by California state mandate since 1987. The law requires regional hospitals and private physicians to report all cancer diagnoses to a regional registry such as GBACR. A hospital-based computerized reporting system enables each hospital to electronically transmit registry-reportable information; 90% of all reports are received in this way. Quality assurance procedures implement SEER and North American Association of Central Cancer Registries (NAACCR) standards for visual and computerized editing, re-abstractions, and audits.

## INTERPRETING THE RESULTS

Over the past decade, factors influencing cancer diagnosis and registration in the region have generally been stable. Efforts to improve reporting of physician-diagnosed cases, particularly melanomas, have increased. The Greater Bay Area has average to high rates of compliance with national cancer screening recommendations, particularly for mammography. Intense public attention has been paid to the high rates of breast cancer in the region.

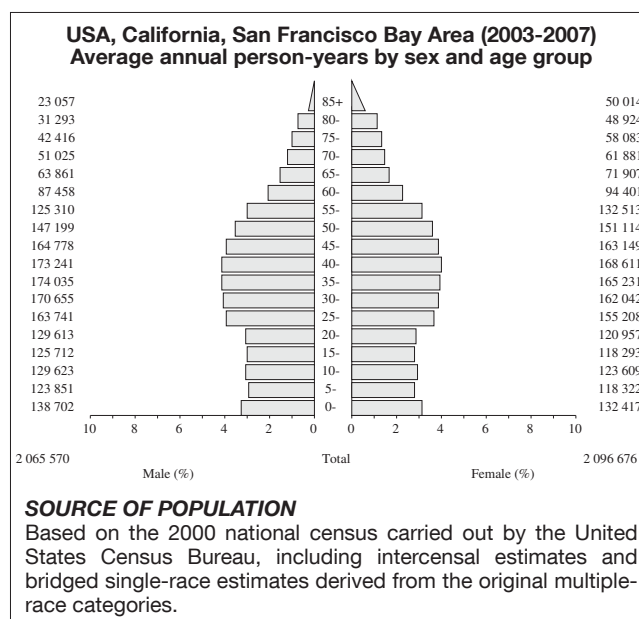
## USE OF THE DATA

GBACR data are used extensively to investigate trends in cancer occurrence and survival, particularly among ethnic minority groups. Investigators can also apply to access patient information to carry out more detailed epidemiological research studies.

## CONTRIBUTORS

Sally L. Glaser  
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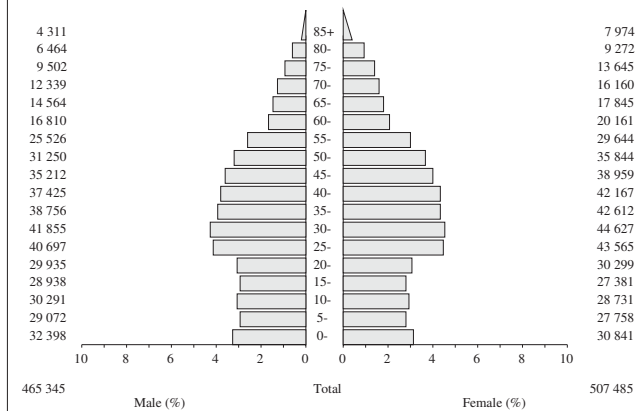
Scarlett L. Gomez  
Kathleen Davidson-Allen



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 108.6 | Breast                     | 92.0  |
| Trachea, bronchus and lung | 37.2  | Trachea, bronchus and lung | 29.3  |
| Colon                      | 20.7  | Colon                      | 17.7  |
| Bladder                    | 18.4  | Corpus uteri               | 16.8  |
| Non-Hodgkin lymphoma       | 16.9  | Non-Hodgkin lymphoma       | 10.5  |
| Melanoma of skin           | 14.9  | Melanoma of skin           | 10.4  |
| Liver                      | 10.8  | Ovary                      | 9.8   |
| Rectum                     | 10.7  | Thyroid                    | 9.4   |
| Kidney                     | 10.4  | Rectum                     | 6.4   |
| Pancreas                   | 7.7   | Pancreas                   | 5.9   |
| All sites                  | 338.8 | All sites                  | 271.6 |

**USA, California, San Francisco Bay Area: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group

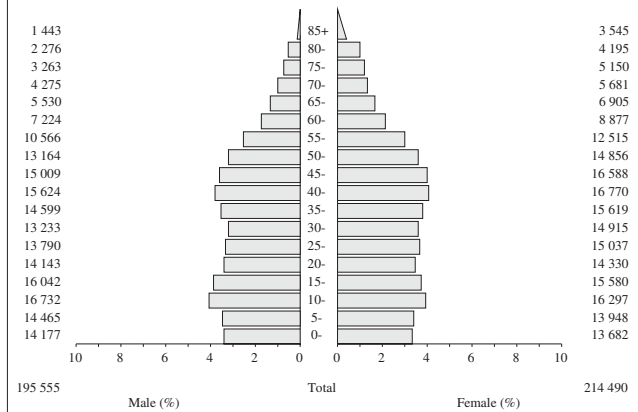


NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, SAN FRANCISCO BAY AREA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 60.6  | Breast                     | 69.7  |
| Trachea, bronchus and lung | 35.2  | Trachea, bronchus and lung | 18.8  |
| Liver                      | 18.6  | Colon                      | 16.1  |
| Colon                      | 17.1  | Corpus uteri               | 14.0  |
| Non-Hodgkin lymphoma       | 11.5  | Thyroid                    | 10.7  |
| Rectum                     | 11.3  | Ovary                      | 9.2   |
| Stomach                    | 9.2   | Non-Hodgkin lymphoma       | 7.1   |
| Bladder                    | 8.5   | Rectum                     | 6.5   |
| Kidney                     | 6.0   | Liver                      | 5.5   |
| Nasopharynx                | 5.5   | Stomach                    | 5.3   |
| All sites                  | 234.0 | All sites                  | 207.4 |

**USA, California, San Francisco Bay Area: Black (2003-2007)**  
Average annual person-years by sex and age group

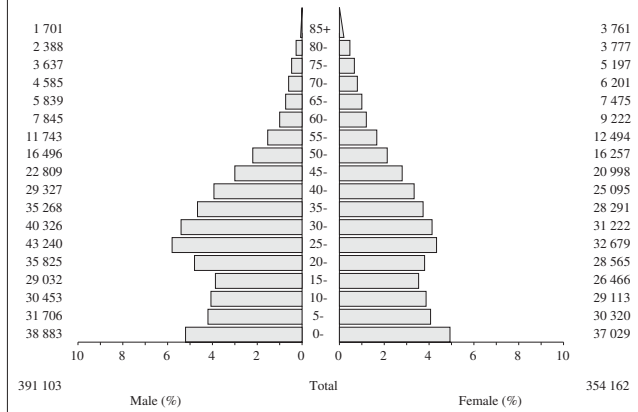


NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, SAN FRANCISCO BAY AREA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 157.6 | Breast                     | 87.4  |
| Trachea, bronchus and lung | 61.9  | Trachea, bronchus and lung | 42.5  |
| Colon                      | 28.0  | Colon                      | 23.4  |
| Liver                      | 16.3  | Corpus uteri               | 13.8  |
| Kidney                     | 15.2  | Non-Hodgkin lymphoma       | 9.6   |
| Non-Hodgkin lymphoma       | 14.2  | Pancreas                   | 8.9   |
| Bladder                    | 12.7  | Other and unspecified      | 7.5   |
| Rectum                     | 10.5  | Kidney                     | 7.5   |
| Pancreas                   | 10.0  | Ovary                      | 7.4   |
| Stomach                    | 9.9   | Rectum                     | 7.0   |
| All sites                  | 412.9 | All sites                  | 280.6 |

**USA, California, San Francisco Bay Area: Hispanic White (2003-2007)**  
Average annual person-years by sex and age group

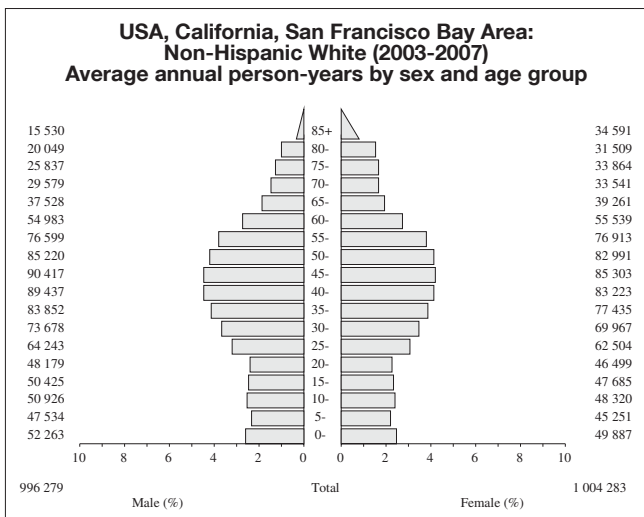


NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, SAN FRANCISCO BAY AREA: HISPANIC WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 93.7  | Breast                     | 78.2  |
| Trachea, bronchus and lung | 25.8  | Trachea, bronchus and lung | 19.7  |
| Colon                      | 21.2  | Colon                      | 15.7  |
| Non-Hodgkin lymphoma       | 16.9  | Corpus uteri               | 14.5  |
| Liver                      | 15.0  | Non-Hodgkin lymphoma       | 11.3  |
| Kidney                     | 12.4  | Thyroid                    | 9.9   |
| Bladder                    | 12.0  | Ovary                      | 9.6   |
| Stomach                    | 10.5  | Cervix uteri               | 8.2   |
| Rectum                     | 10.0  | Kidney                     | 7.8   |
| Pancreas                   | 7.0   | Stomach                    | 6.5   |
| All sites                  | 293.4 | All sites                  | 245.3 |

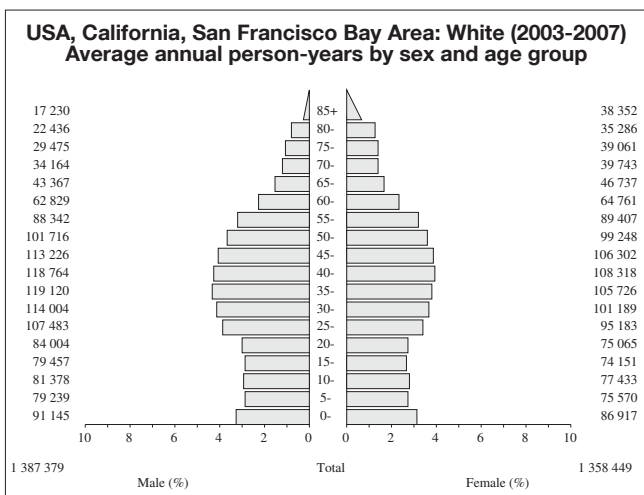




NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, SAN FRANCISCO BAY AREA: NON-HISPANIC WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 114.4 | Breast                     | 104.1 |
| Trachea, bronchus and lung | 36.1  | Trachea, bronchus and lung | 32.9  |
| Melanoma of skin           | 23.7  | Corpus uteri               | 18.3  |
| Bladder                    | 23.4  | Melanoma of skin           | 17.5  |
| Colon                      | 20.5  | Melanoma of skin           | 17.0  |
| Non-Hodgkin lymphoma       | 18.8  | Non-Hodgkin lymphoma       | 11.5  |
| Kidney                     | 10.9  | Ovary                      | 10.2  |
| Rectum                     | 10.2  | Thyroid                    | 9.7   |
| Pancreas                   | 8.4   | Pancreas                   | 6.2   |
| Brain, nervous system      | 7.5   | Other and unspecified      | 6.0   |
| All sites                  | 363.1 | All sites                  | 297.6 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CALIFORNIA, SAN FRANCISCO BAY AREA: WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 111.5 | Breast                     | 99.8  |
| Trachea, bronchus and lung | 34.8  | Trachea, bronchus and lung | 31.0  |
| Bladder                    | 21.9  | Corpus uteri               | 17.8  |
| Colon                      | 20.6  | Colon                      | 17.2  |
| Melanoma of skin           | 20.3  | Melanoma of skin           | 14.4  |
| Non-Hodgkin lymphoma       | 18.4  | Non-Hodgkin lymphoma       | 11.5  |
| Kidney                     | 11.2  | Ovary                      | 10.1  |
| Rectum                     | 10.1  | Thyroid                    | 9.6   |
| Pancreas                   | 8.2   | Pancreas                   | 6.2   |
| Liver                      | 7.7   | Rectum                     | 6.1   |
| All sites                  | 352.3 | All sites                  | 288.8 |

## USA, California, San Francisco Bay Area (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 111        | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.08       | 44        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C00             |
| Tongue                       | 424        | 0.9       | 4.1                      | <b>3.1</b>   | 0.23                     | 0.38       | 209       | 0.5                      | 2.0       | <b>1.2</b>               | 0.08   | 0.14  | C01-02          |
| Mouth                        | 200        | 0.4       | 1.9                      | <b>1.4</b>   | 0.09                     | 0.16       | 198       | 0.4                      | 1.9       | <b>1.1</b>               | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 181        | 0.4       | 1.8                      | <b>1.3</b>   | 0.08                     | 0.14       | 127       | 0.3                      | 1.2       | <b>0.8</b>               | 0.06   | 0.09  | C07-08          |
| Tonsil                       | 253        | 0.5       | 2.4                      | <b>1.8</b>   | 0.15                     | 0.22       | 76        | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 43         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.04       | 24        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 205        | 0.4       | 2.0                      | <b>1.5</b>   | 0.12                     | 0.16       | 98        | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.07  | C11             |
| Hypopharynx                  | 108        | 0.2       | 1.0                      | <b>0.8</b>   | 0.04                     | 0.10       | 34        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 17         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       | 9         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 610        | 1.3       | 5.9                      | <b>4.0</b>   | 0.22                     | 0.48       | 213       | 0.5                      | 2.0       | <b>1.1</b>               | 0.05   | 0.14  | C15             |
| Stomach                      | 1064       | 2.2       | 10.3                     | <b>7.0</b>   | 0.32                     | 0.81       | 708       | 1.5                      | 6.8       | <b>3.6</b>               | 0.19   | 0.40  | C16             |
| Small intestine              | 178        | 0.4       | 1.7                      | <b>1.2</b>   | 0.07                     | 0.14       | 149       | 0.3                      | 1.4       | <b>0.8</b>               | 0.04   | 0.10  | C17             |
| Colon                        | 3213       | 6.6       | 31.1                     | <b>20.7</b>  | 0.93                     | 2.43       | 3641      | 7.9                      | 34.7      | <b>17.7</b>              | 0.81   | 2.00  | C18             |
| Rectum                       | 1567       | 3.2       | 15.2                     | <b>10.7</b>  | 0.58                     | 1.31       | 1169      | 2.5                      | 11.2      | <b>6.4</b>               | 0.38   | 0.72  | C19-20          |
| Anus                         | 218        | 0.4       | 2.1                      | <b>1.5</b>   | 0.12                     | 0.17       | 183       | 0.4                      | 1.7       | <b>1.1</b>               | 0.08   | 0.13  | C21             |
| Liver                        | 1519       | 3.1       | 14.7                     | <b>10.8</b>  | 0.73                     | 1.35       | 579       | 1.2                      | 5.5       | <b>3.2</b>               | 0.16   | 0.39  | C22             |
| Gallbladder etc.             | 274        | 0.6       | 2.7                      | <b>1.7</b>   | 0.06                     | 0.20       | 366       | 0.8                      | 3.5       | <b>1.7</b>               | 0.07   | 0.20  | C23-24          |
| Pancreas                     | 1203       | 2.5       | 11.6                     | <b>7.7</b>   | 0.39                     | 0.90       | 1270      | 2.7                      | 12.1      | <b>5.9</b>               | 0.25   | 0.67  | C25             |
| Nose, sinuses etc.           | 73         | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06       | 60        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 426        | 0.9       | 4.1                      | <b>2.9</b>   | 0.15                     | 0.36       | 114       | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.10  | C32             |
| Trachea, bronchus and lung   | 5713       | 11.7      | 55.3                     | <b>37.2</b>  | 1.52                     | 4.55       | 5573      | 12.0                     | 53.2      | <b>29.3</b>              | 1.31   | 3.66  | C33-34          |
| Other thoracic organs        | 75         | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06       | 46        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 106        | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.08       | 85        | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.05  | C40-41          |
| Melanoma of skin             | 2171       | 4.4       | 21.0                     | <b>14.9</b>  | 0.92                     | 1.70       | 1634      | 3.5                      | 15.6      | <b>10.4</b>              | 0.74   | 1.09  | C43             |
| Other skin                   | 196        | 0.4       | 1.9                      | <b>1.3</b>   | 0.06                     | 0.12       | 141       | 0.3                      | 1.3       | <b>0.7</b>               | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 167        | 0.3       | 1.6                      | <b>1.0</b>   | 0.03                     | 0.13       | 41        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 278        | 0.6       | 2.7                      | <b>2.0</b>   | 0.16                     | 0.18       | 16        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 377        | 0.8       | 3.7                      | <b>2.8</b>   | 0.16                     | 0.26       | 300       | 0.6                      | 2.9       | <b>1.9</b>               | 0.12   | 0.18  | C47+C49         |
| Breast                       | 96         | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.06       | 14709     | 31.7                     | 140.3     | <b>92.0</b>              | 6.61   | 10.62 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 209       | 0.5                      | 2.0       | <b>1.1</b>               | 0.06   | 0.13  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 71        | 0.2                      | 0.7       | <b>0.4</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 653       | 1.4                      | 6.2       | <b>4.5</b>               | 0.36   | 0.46  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 2711      | 5.8                      | 25.9      | <b>16.8</b>              | 1.19   | 2.09  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 45        | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.02  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 1563      | 3.4                      | 14.9      | <b>9.8</b>               | 0.69   | 1.12  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 75        | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 10        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 48         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.04       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 15062      | 30.9      | 145.8                    | <b>108.6</b> | 5.66                     | 14.95      |           |                          |           |                          |        |       | C61             |
| Testis                       | 562        | 1.2       | 5.4                      | <b>4.7</b>   | 0.34                     | 0.36       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 15         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1481       | 3.0       | 14.3                     | <b>10.4</b>  | 0.61                     | 1.28       | 895       | 1.9                      | 8.5       | <b>5.4</b>               | 0.31   | 0.64  | C64             |
| Renal pelvis                 | 89         | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.06       | 56        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 55         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.04       | 52        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 2928       | 6.0       | 28.4                     | <b>18.4</b>  | 0.70                     | 2.13       | 961       | 2.1                      | 9.2       | <b>4.5</b>               | 0.18   | 0.52  | C67             |
| Other urinary organs         | 23         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02       | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 102        | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.08       | 96        | 0.2                      | 0.9       | <b>0.7</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 732        | 1.5       | 7.1                      | <b>5.9</b>   | 0.36                     | 0.58       | 567       | 1.2                      | 5.4       | <b>4.2</b>               | 0.26   | 0.41  | C70-72          |
| Thyroid                      | 363        | 0.7       | 3.5                      | <b>2.7</b>   | 0.18                     | 0.28       | 1266      | 2.7                      | 12.1      | <b>9.4</b>               | 0.72   | 0.91  | C73             |
| Adrenal gland                | 36         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02       | 33        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 17         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 314        | 0.6       | 3.0                      | <b>2.6</b>   | 0.18                     | 0.22       | 238       | 0.5                      | 2.3       | <b>2.1</b>               | 0.14   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 2463       | 5.0       | 23.8                     | <b>16.9</b>  | 1.00                     | 1.82       | 1845      | 4.0                      | 17.6      | <b>10.5</b>              | 0.63   | 1.17  | C82-85,C96      |
| Immunoproliferative diseases | 49         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 32        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 664        | 1.4       | 6.4                      | <b>4.4</b>   | 0.24                     | 0.51       | 544       | 1.2                      | 5.2       | <b>2.8</b>               | 0.14   | 0.34  | C90             |
| Lymphoid leukaemia           | 760        | 1.6       | 7.4                      | <b>6.1</b>   | 0.31                     | 0.60       | 488       | 1.1                      | 4.7       | <b>3.4</b>               | 0.17   | 0.32  | C91             |
| Myeloid leukaemia            | 556        | 1.1       | 5.4                      | <b>3.8</b>   | 0.19                     | 0.39       | 464       | 1.0                      | 4.4       | <b>2.8</b>               | 0.15   | 0.28  | C92-94          |
| Leukaemia unspecified        | 40         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.01       | 41        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 202        | 0.4       | 2.0                      | <b>1.4</b>   | 0.08                     | 0.16       | 180       | 0.4                      | 1.7       | <b>0.9</b>               | 0.04   | 0.10  | MPD             |
| Myelodysplastic syndromes    | 434        | 0.9       | 4.2                      | <b>2.4</b>   | 0.05                     | 0.22       | 327       | 0.7                      | 3.1       | <b>1.3</b>               | 0.04   | 0.13  | MDS             |
| Other and unspecified        | 932        | 1.9       | 9.0                      | <b>6.0</b>   | 0.27                     | 0.67       | 1233      | 2.7                      | 11.8      | <b>5.7</b>               | 0.25   | 0.61  | O&U             |
| All sites                    | 48993      |           | 474.4                    | <b>338.8</b> | 17.67                    | 41.16      | 46497     |                          | 443.5     | <b>271.6</b>             | 16.82  | 30.90 | C00-96          |
| All sites except C44         | 48797      | 100.0     | 472.5                    | <b>337.5</b> | 17.61                    | 41.04      | 46356     | 100.0                    | 442.2     | <b>270.8</b>             | 16.78  | 30.83 | C00-96 exc. C44 |

§Includes 5 cases of unknown age

§Includes 3 cases of unknown age

**\*USA, California, San Francisco Bay Area: Asian and Pacific Islander (2003-2007)**

| SITE                         | Male       |           |                          |              |                     | Female   |           |           |                          |              | ICD-10 |                     |                 |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|-----------|-----------|--------------------------|--------------|--------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | 0-74 (%)        |
| Lip                          | 1          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.01     | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C00             |
| Tongue                       | 39         | 0.5       | 1.7                      | <b>1.3</b>   | 0.09                | 0.15     | 28        | 0.4       | 1.1                      | <b>0.7</b>   | 0.04   | 0.08                | C01-02          |
| Mouth                        | 31         | 0.4       | 1.3                      | <b>1.1</b>   | 0.08                | 0.14     | 33        | 0.4       | 1.3                      | <b>0.8</b>   | 0.05   | 0.08                | C03-06          |
| Salivary glands              | 31         | 0.4       | 1.3                      | <b>1.1</b>   | 0.07                | 0.11     | 25        | 0.3       | 1.0                      | <b>0.7</b>   | 0.05   | 0.06                | C07-08          |
| Tonsil                       | 17         | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                | 0.08     | 8         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C09             |
| Other oropharynx             | 5          | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01     | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.00                | C10             |
| Nasopharynx                  | 164        | 2.2       | 7.0                      | <b>5.5</b>   | 0.45                | 0.60     | 69        | 0.9       | 2.7                      | <b>2.1</b>   | 0.16   | 0.21                | C11             |
| Hypopharynx                  | 18         | 0.2       | 0.8                      | <b>0.5</b>   | 0.01                | 0.06     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C12-13          |
| Pharynx unspecified          | 1          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.01     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C14             |
| Oesophagus                   | 79         | 1.1       | 3.4                      | <b>2.4</b>   | 0.14                | 0.26     | 26        | 0.3       | 1.0                      | <b>0.5</b>   | 0.02   | 0.06                | C15             |
| Stomach                      | 307        | 4.2       | 13.2                     | <b>9.2</b>   | 0.42                | 1.02     | 227       | 2.9       | 8.9                      | <b>5.3</b>   | 0.28   | 0.59                | C16             |
| Small intestine              | 26         | 0.4       | 1.1                      | <b>0.9</b>   | 0.06                | 0.11     | 15        | 0.2       | 0.6                      | <b>0.4</b>   | 0.02   | 0.04                | C17             |
| Colon                        | 561        | 7.6       | 24.1                     | <b>17.1</b>  | 0.77                | 2.05     | 691       | 8.7       | 27.2                     | <b>16.1</b>  | 0.83   | 1.86                | C18             |
| Rectum                       | 355        | 4.8       | 15.3                     | <b>11.3</b>  | 0.59                | 1.47     | 266       | 3.4       | 10.5                     | <b>6.5</b>   | 0.41   | 0.71                | C19-20          |
| Anus                         | 12         | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                | 0.05     | 12        | 0.2       | 0.5                      | <b>0.3</b>   | 0.03   | 0.04                | C21             |
| Liver                        | 562        | 7.6       | 24.2                     | <b>18.6</b>  | 1.13                | 2.37     | 229       | 2.9       | 9.0                      | <b>5.5</b>   | 0.25   | 0.67                | C22             |
| Gallbladder etc.             | 84         | 1.1       | 3.6                      | <b>2.4</b>   | 0.09                | 0.29     | 100       | 1.3       | 3.9                      | <b>2.2</b>   | 0.09   | 0.24                | C23-24          |
| Pancreas                     | 183        | 2.5       | 7.9                      | <b>5.2</b>   | 0.25                | 0.54     | 184       | 2.3       | 7.3                      | <b>3.8</b>   | 0.15   | 0.42                | C25             |
| Nose, sinuses etc.           | 19         | 0.3       | 0.8                      | <b>0.6</b>   | 0.05                | 0.06     | 12        | 0.2       | 0.5                      | <b>0.3</b>   | 0.02   | 0.04                | C30-31          |
| Larynx                       | 46         | 0.6       | 2.0                      | <b>1.4</b>   | 0.07                | 0.17     | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C32             |
| Trachea, bronchus and lung   | 1181       | 16.0      | 50.8                     | <b>35.2</b>  | 1.35                | 4.22     | 818       | 10.3      | 32.2                     | <b>18.8</b>  | 0.84   | 2.21                | C33-34          |
| Other thoracic organs        | 28         | 0.4       | 1.2                      | <b>1.0</b>   | 0.07                | 0.13     | 10        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.04                | C37-38          |
| Bone                         | 17         | 0.2       | 0.7                      | <b>0.8</b>   | 0.04                | 0.06     | 19        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04   | 0.05                | C40-41          |
| Melanoma of skin             | 12         | 0.2       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04     | 26        | 0.3       | 1.0                      | <b>0.7</b>   | 0.05   | 0.07                | C43             |
| Other skin                   | 14         | 0.2       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04     | 17        | 0.2       | 0.7                      | <b>0.4</b>   | 0.02   | 0.06                | C44             |
| Mesothelioma                 | 14         | 0.2       | 0.6                      | <b>0.4</b>   | 0.01                | 0.04     | 4         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00   | 0.00                | C45             |
| Kaposi sarcoma               | 8          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02     | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C46             |
| Connective and soft tissue   | 40         | 0.5       | 1.7                      | <b>1.4</b>   | 0.09                | 0.14     | 64        | 0.8       | 2.5                      | <b>1.7</b>   | 0.09   | 0.15                | C47+C49         |
| Breast                       | 9          | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.02     | 2513      | 31.6      | 99.0                     | <b>69.7</b>  | 5.36   | 7.81                | C50             |
| Vulva                        |            |           |                          |              |                     |          | 26        | 0.3       | 1.0                      | <b>0.6</b>   | 0.03   | 0.07                | C51             |
| Vagina                       |            |           |                          |              |                     |          | 14        | 0.2       | 0.6                      | <b>0.4</b>   | 0.02   | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 150       | 1.9       | 5.9                      | <b>4.1</b>   | 0.33   | 0.43                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 499       | 6.3       | 19.7                     | <b>14.0</b>  | 1.13   | 1.62                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 6         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C55             |
| Ovary                        |            |           |                          |              |                     |          | 321       | 4.0       | 12.7                     | <b>9.2</b>   | 0.68   | 1.00                | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 11        | 0.1       | 0.4                      | <b>0.3</b>   | 0.03   | 0.04                | C57             |
| Placenta                     |            |           |                          |              |                     |          | 4         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C58             |
| Penis                        | 6          | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                | 0.02     |           |           |                          |              |        |                     | C60             |
| Prostate                     | 1864       | 25.3      | 80.1                     | <b>60.6</b>  | 2.46                | 8.52     |           |           |                          |              |        |                     | C61             |
| Testis                       | 55         | 0.7       | 2.4                      | <b>2.1</b>   | 0.15                | 0.15     |           |           |                          |              |        |                     | C62             |
| Other male genital organs    | 3          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.02     |           |           |                          |              |        |                     | C63             |
| Kidney                       | 192        | 2.6       | 8.3                      | <b>6.0</b>   | 0.35                | 0.69     | 121       | 1.5       | 4.8                      | <b>3.2</b>   | 0.17   | 0.41                | C64             |
| Renal pelvis                 | 11         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04     | 10        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.02                | C65             |
| Ureter                       | 11         | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                | 0.06     | 12        | 0.2       | 0.5                      | <b>0.3</b>   | 0.01   | 0.04                | C66             |
| Bladder                      | 295        | 4.0       | 12.7                     | <b>8.5</b>   | 0.32                | 0.97     | 107       | 1.3       | 4.2                      | <b>2.2</b>   | 0.10   | 0.24                | C67             |
| Other urinary organs         | 6          | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01     | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.01                | C68             |
| Eye                          | 6          | 0.1       | 0.3                      | <b>0.4</b>   | 0.01                | 0.02     | 8         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02   | 0.02                | C69             |
| Brain, nervous system        | 84         | 1.1       | 3.6                      | <b>3.1</b>   | 0.19                | 0.31     | 93        | 1.2       | 3.7                      | <b>2.9</b>   | 0.18   | 0.28                | C70-72          |
| Thyroid                      | 81         | 1.1       | 3.5                      | <b>2.7</b>   | 0.18                | 0.27     | 347       | 4.4       | 13.7                     | <b>10.7</b>  | 0.80   | 1.05                | C73             |
| Adrenal gland                | 4          | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01     | 7         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74             |
| Other endocrine              | 3          | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01     | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.01                | C75             |
| Hodgkin lymphoma             | 37         | 0.5       | 1.6                      | <b>1.6</b>   | 0.09                | 0.12     | 28        | 0.4       | 1.1                      | <b>1.0</b>   | 0.08   | 0.08                | C81             |
| Non-Hodgkin lymphoma         | 352        | 4.8       | 15.1                     | <b>11.5</b>  | 0.59                | 1.26     | 280       | 3.5       | 11.0                     | <b>7.1</b>   | 0.44   | 0.78                | C82-85,C96      |
| Immunoproliferative diseases | 5          | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.03     | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C88             |
| Multiple myeloma             | 80         | 1.1       | 3.4                      | <b>2.4</b>   | 0.13                | 0.25     | 77        | 1.0       | 3.0                      | <b>1.7</b>   | 0.06   | 0.20                | C90             |
| Lymphoid leukaemia           | 75         | 1.0       | 3.2                      | <b>3.1</b>   | 0.15                | 0.21     | 46        | 0.6       | 1.8                      | <b>1.7</b>   | 0.08   | 0.15                | C91             |
| Myeloid leukaemia            | 94         | 1.3       | 4.0                      | <b>2.9</b>   | 0.15                | 0.30     | 83        | 1.0       | 3.3                      | <b>2.5</b>   | 0.13   | 0.23                | C92-94          |
| Leukaemia unspecified        | 4          | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.00     | 7         | 0.1       | 0.3                      | <b>0.1</b>   | 0.00   | 0.01                | C95             |
| Myeloproliferative disorders | 42         | 0.6       | 1.8                      | <b>1.3</b>   | 0.09                | 0.15     | 38        | 0.5       | 1.5                      | <b>0.9</b>   | 0.05   | 0.09                | MPD             |
| Myelodysplastic syndromes    | 74         | 1.0       | 3.2                      | <b>1.9</b>   | 0.04                | 0.13     | 73        | 0.9       | 2.9                      | <b>1.4</b>   | 0.04   | 0.15                | MDS             |
| Other and unspecified        | 137        | 1.9       | 5.9                      | <b>4.2</b>   | 0.17                | 0.47     | 179       | 2.3       | 7.1                      | <b>3.8</b>   | 0.17   | 0.40                | O&U             |
| All sites                    | 7385       |           | 317.4                    | <b>234.0</b> | 11.17               | 28.31    | 7957      |           | 313.6                    | <b>207.4</b> | 13.44  | 22.94               | C00-96          |
| All sites except C44         | 7371       | 100.0     | 316.8                    | <b>233.5</b> | 11.14               | 28.27    | 7940      | 100.0     | 312.9                    | <b>206.9</b> | 13.42  | 22.89               | C00-96 exc. C44 |

§Includes 1 case of unknown age

\*See note following population pyramid

**\*USA, California, San Francisco Bay Area: Black (2003-2007)**

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 3          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 3         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C00             |
| Tongue                       | 28         | 0.6       | 2.9                      | <b>2.5</b>   | 0.19                     | 0.33      | 10        | 0.2                      | 0.9       | <b>0.7</b>               | 0.04   | 0.09  | C01-02          |
| Mouth                        | 16         | 0.3       | 1.6                      | <b>1.3</b>   | 0.09                     | 0.17      | 21        | 0.5                      | 2.0       | <b>1.4</b>               | 0.08   | 0.16  | C03-06          |
| Salivary glands              | 12         | 0.2       | 1.2                      | <b>1.0</b>   | 0.07                     | 0.09      | 14        | 0.3                      | 1.3       | <b>1.1</b>               | 0.08   | 0.09  | C07-08          |
| Tonsil                       | 26         | 0.5       | 2.7                      | <b>2.2</b>   | 0.17                     | 0.27      | 8         | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.04  | C09             |
| Other oropharynx             | 5          | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 4          | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03      | 4         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 19         | 0.4       | 1.9                      | <b>1.7</b>   | 0.10                     | 0.23      | 4         | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.02  | C12-13          |
| Pharynx unspecified          | 1          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 2         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 53         | 1.1       | 5.4                      | <b>4.4</b>   | 0.25                     | 0.52      | 31        | 0.7                      | 2.9       | <b>1.9</b>               | 0.09   | 0.23  | C15             |
| Stomach                      | 123        | 2.5       | 12.6                     | <b>9.9</b>   | 0.42                     | 1.13      | 81        | 1.8                      | 7.6       | <b>4.3</b>               | 0.20   | 0.44  | C16             |
| Small intestine              | 18         | 0.4       | 1.8                      | <b>1.4</b>   | 0.11                     | 0.13      | 31        | 0.7                      | 2.9       | <b>2.0</b>               | 0.11   | 0.25  | C17             |
| Colon                        | 341        | 7.1       | 34.9                     | <b>28.0</b>  | 1.34                     | 3.37      | 414       | 9.4                      | 38.6      | <b>23.4</b>              | 1.13   | 2.77  | C18             |
| Rectum                       | 127        | 2.6       | 13.0                     | <b>10.5</b>  | 0.54                     | 1.24      | 113       | 2.6                      | 10.5      | <b>7.0</b>               | 0.38   | 0.88  | C19-20          |
| Anus                         | 23         | 0.5       | 2.4                      | <b>1.8</b>   | 0.16                     | 0.19      | 25        | 0.6                      | 2.3       | <b>1.6</b>               | 0.12   | 0.20  | C21             |
| Liver                        | 191        | 4.0       | 19.5                     | <b>16.3</b>  | 1.37                     | 1.98      | 70        | 1.6                      | 6.5       | <b>4.4</b>               | 0.33   | 0.52  | C22             |
| Gallbladder etc.             | 22         | 0.5       | 2.2                      | <b>1.6</b>   | 0.07                     | 0.16      | 37        | 0.8                      | 3.5       | <b>2.1</b>               | 0.08   | 0.30  | C23-24          |
| Pancreas                     | 118        | 2.4       | 12.1                     | <b>10.0</b>  | 0.58                     | 1.28      | 168       | 3.8                      | 15.7      | <b>8.9</b>               | 0.39   | 0.99  | C25             |
| Nose, sinuses etc.           | 5          | 0.1       | 0.5                      | <b>0.4</b>   | 0.05                     | 0.05      | 6         | 0.1                      | 0.6       | <b>0.4</b>               | 0.04   | 0.05  | C30-31          |
| Larynx                       | 72         | 1.5       | 7.4                      | <b>6.2</b>   | 0.39                     | 0.80      | 29        | 0.7                      | 2.7       | <b>2.0</b>               | 0.12   | 0.28  | C32             |
| Trachea, bronchus and lung   | 740        | 15.3      | 75.7                     | <b>61.9</b>  | 3.15                     | 7.85      | 693       | 15.8                     | 64.6      | <b>42.5</b>              | 2.37   | 5.34  | C33-34          |
| Other thoracic organs        | 5          | 0.1       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.04      | 6         | 0.1                      | 0.6       | <b>0.5</b>               | 0.02   | 0.06  | C37-38          |
| Bone                         | 6          | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.02      | 6         | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C40-41          |
| Melanoma of skin             | 7          | 0.1       | 0.7                      | <b>0.6</b>   | 0.02                     | 0.07      | 9         | 0.2                      | 0.8       | <b>0.5</b>               | 0.04   | 0.05  | C43             |
| Other skin                   | 8          | 0.1       | 0.8                      | <b>0.7</b>   | 0.02                     | 0.11      | 18        | 0.4                      | 1.7       | <b>1.4</b>               | 0.11   | 0.12  | C44             |
| Mesothelioma                 | 8          | 0.2       | 0.8                      | <b>0.7</b>   | 0.03                     | 0.09      | 3         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.04  | C45             |
| Kaposi sarcoma               | 42         | 0.9       | 4.3                      | <b>3.6</b>   | 0.31                     | 0.31      | 5         | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.03  | C46             |
| Connective and soft tissue   | 25         | 0.5       | 2.6                      | <b>2.4</b>   | 0.12                     | 0.18      | 32        | 0.7                      | 3.0       | <b>2.3</b>               | 0.17   | 0.24  | C47+C49         |
| Breast                       | 12         | 0.2       | 1.2                      | <b>1.0</b>   | 0.07                     | 0.11      | 1298      | 29.6                     | 121.0     | <b>87.4</b>              | 6.46   | 9.96  | C50             |
| Vulva                        |            |           |                          |              |                          |           | 20        | 0.5                      | 1.9       | <b>1.3</b>               | 0.10   | 0.15  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 12        | 0.3                      | 1.1       | <b>0.8</b>               | 0.04   | 0.09  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 69        | 1.6                      | 6.4       | <b>4.9</b>               | 0.40   | 0.53  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 205       | 4.7                      | 19.1      | <b>13.8</b>              | 0.90   | 1.77  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 6         | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 113       | 2.6                      | 10.5      | <b>7.4</b>               | 0.50   | 0.86  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 5         | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 2         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 7          | 0.1       | 0.7                      | <b>0.6</b>   | 0.02                     | 0.09      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1800       | 37.3      | 184.1                    | <b>157.6</b> | 9.40                     | 21.19     |           |                          |           |                          |        |       | C61             |
| Testis                       | 12         | 0.2       | 1.2                      | <b>1.0</b>   | 0.08                     | 0.08      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 2          | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 174        | 3.6       | 17.8                     | <b>15.2</b>  | 0.89                     | 1.95      | 113       | 2.6                      | 10.5      | <b>7.5</b>               | 0.41   | 0.88  | C64             |
| Renal pelvis                 | 9          | 0.2       | 0.9                      | <b>0.8</b>   | 0.05                     | 0.11      | 4         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 2          | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.00      | 3         | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C66             |
| Bladder                      | 155        | 3.2       | 15.9                     | <b>12.7</b>  | 0.55                     | 1.48      | 65        | 1.5                      | 6.1       | <b>3.4</b>               | 0.12   | 0.37  | C67             |
| Other urinary organs         | 3          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 2          | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 45         | 0.9       | 4.6                      | <b>4.4</b>   | 0.23                     | 0.44      | 42        | 1.0                      | 3.9       | <b>3.4</b>               | 0.20   | 0.35  | C70-72          |
| Thyroid                      | 15         | 0.3       | 1.5                      | <b>1.4</b>   | 0.11                     | 0.17      | 64        | 1.5                      | 6.0       | <b>4.7</b>               | 0.35   | 0.51  | C73             |
| Adrenal gland                | 4          | 0.1       | 0.4                      | <b>0.6</b>   | 0.02                     | 0.02      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C74             |
| Other endocrine              | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 37         | 0.8       | 3.8                      | <b>3.2</b>   | 0.23                     | 0.29      | 28        | 0.6                      | 2.6       | <b>2.3</b>               | 0.17   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 166        | 3.4       | 17.0                     | <b>14.2</b>  | 0.95                     | 1.62      | 140       | 3.2                      | 13.1      | <b>9.6</b>               | 0.66   | 1.09  | C82-85,C96      |
| Immunoproliferative diseases | 1          | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 100        | 2.1       | 10.2                     | <b>8.4</b>   | 0.49                     | 1.06      | 114       | 2.6                      | 10.6      | <b>6.8</b>               | 0.33   | 0.85  | C90             |
| Lymphoid leukaemia           | 51         | 1.1       | 5.2                      | <b>4.7</b>   | 0.22                     | 0.42      | 31        | 0.7                      | 2.9       | <b>2.3</b>               | 0.09   | 0.24  | C91             |
| Myeloid leukaemia            | 40         | 0.8       | 4.1                      | <b>3.3</b>   | 0.17                     | 0.31      | 48        | 1.1                      | 4.5       | <b>3.2</b>               | 0.20   | 0.35  | C92-94          |
| Leukaemia unspecified        | 4          | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.05      | 2         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C95             |
| Myeloproliferative disorders | 13         | 0.3       | 1.3                      | <b>1.2</b>   | 0.05                     | 0.14      | 14        | 0.3                      | 1.3       | <b>0.9</b>               | 0.05   | 0.10  | MPD             |
| Myelodysplastic syndromes    | 20         | 0.4       | 2.0                      | <b>1.5</b>   | 0.06                     | 0.12      | 19        | 0.4                      | 1.8       | <b>0.9</b>               | 0.04   | 0.07  | MDS             |
| Other and unspecified        | 113        | 2.3       | 11.6                     | <b>9.3</b>   | 0.53                     | 1.13      | 138       | 3.1                      | 12.9      | <b>7.5</b>               | 0.36   | 0.81  | O&U             |
| All sites                    | 4835       |           | 494.5                    | <b>412.9</b> | 23.87                    | 51.59     | 4406      |                          | 410.8     | <b>280.6</b>             | 17.55  | 32.66 | C00-96          |
| All sites except C44         | 4827       | 100.0     | 493.7                    | <b>412.2</b> | 23.85                    | 51.48     | 4388      | 100.0                    | 409.2     | <b>279.2</b>             | 17.45  | 32.54 | C00-96 exc. C44 |

§Includes 2 cases of unknown age

\*See note following population pyramid

**\*USA, California, San Francisco Bay Area: Hispanic White (2003-2007)**

| SITE                         | Male       |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 8          | 0.2       | 0.4                      | <b>0.5</b>   | 0.02                | 0.05                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C00                 |
| Tongue                       | 26         | 0.6       | 1.3                      | <b>2.0</b>   | 0.13                | 0.27                | 16        | 0.4       | 0.9                      | <b>0.9</b>   | 0.04   | 0.11                | C01-02              |
| Mouth                        | 24         | 0.6       | 1.2                      | <b>1.6</b>   | 0.09                | 0.16                | 9         | 0.2       | 0.5                      | <b>0.5</b>   | 0.02   | 0.06                | C03-06              |
| Salivary glands              | 14         | 0.3       | 0.7                      | <b>1.0</b>   | 0.04                | 0.18                | 14        | 0.3       | 0.8                      | <b>0.8</b>   | 0.07   | 0.08                | C07-08              |
| Tonsil                       | 14         | 0.3       | 0.7                      | <b>1.0</b>   | 0.10                | 0.11                | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.02                | C09                 |
| Other oropharynx             | 2          | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                | 0.04                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C10                 |
| Nasopharynx                  | 4          | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 4         | 0.1       | 0.2                      | <b>0.3</b>   | 0.02   | 0.04                | C11                 |
| Hypopharynx                  | 6          | 0.1       | 0.3                      | <b>0.5</b>   | 0.04                | 0.06                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C12-13              |
| Pharynx unspecified          | 3          | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C14                 |
| Oesophagus                   | 57         | 1.4       | 2.9                      | <b>4.1</b>   | 0.21                | 0.51                | 19        | 0.4       | 1.1                      | <b>1.1</b>   | 0.03   | 0.17                | C15                 |
| Stomach                      | 157        | 3.7       | 8.0                      | <b>10.5</b>  | 0.42                | 1.23                | 123       | 2.8       | 6.9                      | <b>6.5</b>   | 0.35   | 0.75                | C16                 |
| Small intestine              | 16         | 0.4       | 0.8                      | <b>1.0</b>   | 0.05                | 0.09                | 15        | 0.3       | 0.8                      | <b>0.8</b>   | 0.03   | 0.12                | C17                 |
| Colon                        | 296        | 7.0       | 15.1                     | <b>21.2</b>  | 0.87                | 2.66                | 305       | 6.9       | 17.2                     | <b>15.7</b>  | 0.84   | 1.69                | C18                 |
| Rectum                       | 141        | 3.4       | 7.2                      | <b>10.0</b>  | 0.65                | 1.32                | 119       | 2.7       | 6.7                      | <b>6.2</b>   | 0.37   | 0.61                | C19-20              |
| Anus                         | 14         | 0.3       | 0.7                      | <b>0.9</b>   | 0.07                | 0.11                | 18        | 0.4       | 1.0                      | <b>1.0</b>   | 0.06   | 0.12                | C21                 |
| Liver                        | 212        | 5.0       | 10.8                     | <b>15.0</b>  | 1.00                | 1.91                | 72        | 1.6       | 4.1                      | <b>3.9</b>   | 0.14   | 0.48                | C22                 |
| Gallbladder etc.             | 26         | 0.6       | 1.3                      | <b>1.8</b>   | 0.05                | 0.18                | 68        | 1.5       | 3.8                      | <b>3.4</b>   | 0.15   | 0.42                | C23-24              |
| Pancreas                     | 100        | 2.4       | 5.1                      | <b>7.0</b>   | 0.29                | 0.80                | 129       | 2.9       | 7.3                      | <b>6.4</b>   | 0.27   | 0.72                | C25                 |
| Nose, sinuses etc.           | 6          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 6         | 0.1       | 0.3                      | <b>0.4</b>   | 0.01   | 0.04                | C30-31              |
| Larynx                       | 41         | 1.0       | 2.1                      | <b>2.8</b>   | 0.14                | 0.33                | 12        | 0.3       | 0.7                      | <b>0.7</b>   | 0.03   | 0.09                | C32                 |
| Trachea, bronchus and lung   | 358        | 8.5       | 18.3                     | <b>25.8</b>  | 0.94                | 3.09                | 355       | 8.0       | 20.0                     | <b>19.7</b>  | 0.89   | 2.46                | C33-34              |
| Other thoracic organs        | 10         | 0.2       | 0.5                      | <b>0.5</b>   | 0.03                | 0.05                | 7         | 0.2       | 0.4                      | <b>0.3</b>   | 0.02   | 0.02                | C37-38              |
| Bone                         | 18         | 0.4       | 0.9                      | <b>0.9</b>   | 0.07                | 0.07                | 10        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04   | 0.04                | C40-41              |
| Melanoma of skin             | 62         | 1.5       | 3.2                      | <b>4.0</b>   | 0.23                | 0.46                | 73        | 1.6       | 4.1                      | <b>3.9</b>   | 0.26   | 0.39                | C43                 |
| Other skin                   | 14         | 0.4       | 0.7                      | <b>0.7</b>   | 0.05                | 0.07                | 13        | 0.3       | 0.7                      | <b>0.6</b>   | 0.03   | 0.07                | C44                 |
| Mesothelioma                 | 17         | 0.4       | 0.9                      | <b>1.2</b>   | 0.02                | 0.16                | 8         | 0.2       | 0.5                      | <b>0.4</b>   | 0.00   | 0.08                | C45                 |
| Kaposi sarcoma               | 61         | 1.5       | 3.1                      | <b>2.8</b>   | 0.21                | 0.28                | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 40         | 1.0       | 2.0                      | <b>2.3</b>   | 0.14                | 0.19                | 37        | 0.8       | 2.1                      | <b>2.0</b>   | 0.15   | 0.17                | C47+C49             |
| Breast                       | 9          | 0.2       | 0.5                      | <b>0.7</b>   | 0.04                | 0.08                | 1362      | 30.8      | 76.9                     | <b>78.2</b>  | 5.65   | 8.86                | C50                 |
| Vulva                        |            |           |                          |              |                     |                     | 10        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04   | 0.07                | C51                 |
| Vagina                       |            |           |                          |              |                     |                     | 10        | 0.2       | 0.6                      | <b>0.6</b>   | 0.03   | 0.07                | C52                 |
| Cervix uteri                 |            |           |                          |              |                     |                     | 150       | 3.4       | 8.5                      | <b>8.2</b>   | 0.69   | 0.81                | C53                 |
| Corpus uteri                 |            |           |                          |              |                     |                     | 246       | 5.6       | 13.9                     | <b>14.5</b>  | 1.01   | 1.78                | C54                 |
| Uterus unspecified           |            |           |                          |              |                     |                     | 5         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C55                 |
| Ovary                        |            |           |                          |              |                     |                     | 165       | 3.7       | 9.3                      | <b>9.6</b>   | 0.66   | 1.11                | C56                 |
| Other female genital organs  |            |           |                          |              |                     |                     | 4         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.03                | C57                 |
| Placenta                     |            |           |                          |              |                     |                     | 4         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.01                | C58                 |
| Penis                        | 11         | 0.3       | 0.6                      | <b>0.7</b>   | 0.02                | 0.08                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 1194       | 28.4      | 61.1                     | <b>93.7</b>  | 4.51                | 12.92               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 113        | 2.7       | 5.8                      | <b>4.5</b>   | 0.31                | 0.33                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 1          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 182        | 4.3       | 9.3                      | <b>12.4</b>  | 0.76                | 1.46                | 138       | 3.1       | 7.8                      | <b>7.8</b>   | 0.51   | 0.89                | C64                 |
| Renal pelvis                 | 3          | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.04                | 6         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02   | 0.05                | C65                 |
| Ureter                       | 2          | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01                | 5         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C66                 |
| Bladder                      | 175        | 4.2       | 8.9                      | <b>12.0</b>  | 0.39                | 1.39                | 64        | 1.4       | 3.6                      | <b>3.0</b>   | 0.11   | 0.31                | C67                 |
| Other urinary organs         | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C68                 |
| Eye                          | 11         | 0.3       | 0.6                      | <b>0.8</b>   | 0.03                | 0.11                | 6         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C69                 |
| Brain, nervous system        | 87         | 2.1       | 4.4                      | <b>5.0</b>   | 0.27                | 0.51                | 70        | 1.6       | 4.0                      | <b>4.1</b>   | 0.26   | 0.42                | C70-72              |
| Thyroid                      | 37         | 0.9       | 1.9                      | <b>2.2</b>   | 0.14                | 0.25                | 186       | 4.2       | 10.5                     | <b>9.9</b>   | 0.79   | 0.96                | C73                 |
| Adrenal gland                | 10         | 0.2       | 0.5                      | <b>0.7</b>   | 0.05                | 0.05                | 7         | 0.2       | 0.4                      | <b>0.4</b>   | 0.04   | 0.04                | C74                 |
| Other endocrine              | 6          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.02                | C75                 |
| Hodgkin lymphoma             | 51         | 1.2       | 2.6                      | <b>2.4</b>   | 0.15                | 0.21                | 36        | 0.8       | 2.0                      | <b>1.9</b>   | 0.13   | 0.17                | C81                 |
| Non-Hodgkin lymphoma         | 270        | 6.4       | 13.8                     | <b>16.9</b>  | 0.99                | 1.95                | 207       | 4.7       | 11.7                     | <b>11.3</b>  | 0.65   | 1.28                | C82-85,C96          |
| Immunoproliferative diseases | 1          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.02                | 1         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.00                | C88                 |
| Multiple myeloma             | 67         | 1.6       | 3.4                      | <b>4.7</b>   | 0.23                | 0.56                | 60        | 1.4       | 3.4                      | <b>3.5</b>   | 0.16   | 0.49                | C90                 |
| Lymphoid leukaemia           | 75         | 1.8       | 3.8                      | <b>4.5</b>   | 0.22                | 0.33                | 52        | 1.2       | 2.9                      | <b>3.1</b>   | 0.17   | 0.24                | C91                 |
| Myeloid leukaemia            | 48         | 1.1       | 2.5                      | <b>3.0</b>   | 0.17                | 0.34                | 48        | 1.1       | 2.7                      | <b>2.3</b>   | 0.10   | 0.20                | C92-94              |
| Leukaemia unspecified        | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 3         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00   | 0.00                | C95                 |
| Myeloproliferative disorders | 22         | 0.5       | 1.1                      | <b>1.5</b>   | 0.07                | 0.20                | 10        | 0.2       | 0.6                      | <b>0.6</b>   | 0.02   | 0.08                | MPD                 |
| Myelodysplastic syndromes    | 35         | 0.8       | 1.8                      | <b>2.6</b>   | 0.09                | 0.31                | 25        | 0.6       | 1.4                      | <b>1.3</b>   | 0.04   | 0.15                | MDS                 |
| Other and unspecified        | 58         | 1.4       | 3.0                      | <b>4.0</b>   | 0.18                | 0.47                | 121       | 2.7       | 6.8                      | <b>6.2</b>   | 0.31   | 0.68                | O&U                 |
| All sites                    | 4219       |           | 215.7                    | <b>293.4</b> | 14.62               | 36.14               | 4442      |           | 250.8                    | <b>245.3</b> | 15.34  | 27.59               | C00-96              |
| All sites except C44         | 4205       | 100.0     | 215.0                    | <b>292.7</b> | 14.57               | 36.07               | 4429      | 100.0     | 250.1                    | <b>244.6</b> | 15.30  | 27.52               | C00-96 exc. C44     |

§Includes 1 case of unknown age

\*See note following population pyramid

**\*USA, California, San Francisco Bay Area: Non-Hispanic White (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 96        | 0.3       | 1.9                      | <b>1.0</b>   | 0.05                     | 0.11      | 38        | 0.1                      | 0.8       | <b>0.3</b>               | 0.01   | 0.04  | C00             |
| Tongue                       | 321       | 1.0       | 6.4                      | <b>4.0</b>   | 0.29                     | 0.49      | 148       | 0.5                      | 2.9       | <b>1.5</b>               | 0.10   | 0.18  | C01-02          |
| Mouth                        | 126       | 0.4       | 2.5                      | <b>1.4</b>   | 0.09                     | 0.16      | 132       | 0.5                      | 2.6       | <b>1.2</b>               | 0.06   | 0.14  | C03-06          |
| Salivary glands              | 119       | 0.4       | 2.4                      | <b>1.4</b>   | 0.08                     | 0.15      | 72        | 0.2                      | 1.4       | <b>0.8</b>               | 0.05   | 0.10  | C07-08          |
| Tonsil                       | 193       | 0.6       | 3.9                      | <b>2.4</b>   | 0.20                     | 0.29      | 57        | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.08  | C09             |
| Other oropharynx             | 31        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.05      | 20        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 32        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.04      | 19        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 65        | 0.2       | 1.3                      | <b>0.8</b>   | 0.04                     | 0.11      | 30        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 12        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 412       | 1.3       | 8.3                      | <b>4.6</b>   | 0.24                     | 0.54      | 137       | 0.5                      | 2.7       | <b>1.2</b>               | 0.05   | 0.15  | C15             |
| Stomach                      | 461       | 1.5       | 9.3                      | <b>5.0</b>   | 0.24                     | 0.59      | 270       | 0.9                      | 5.4       | <b>2.2</b>               | 0.11   | 0.23  | C16             |
| Small intestine              | 115       | 0.4       | 2.3                      | <b>1.3</b>   | 0.07                     | 0.15      | 87        | 0.3                      | 1.7       | <b>0.8</b>               | 0.04   | 0.10  | C17             |
| Colon                        | 1963      | 6.3       | 39.4                     | <b>20.5</b>  | 0.92                     | 2.36      | 2191      | 7.6                      | 43.6      | <b>17.5</b>              | 0.74   | 1.97  | C18             |
| Rectum                       | 903       | 2.9       | 18.1                     | <b>10.2</b>  | 0.56                     | 1.21      | 648       | 2.2                      | 12.9      | <b>6.0</b>               | 0.36   | 0.69  | C19-20          |
| Anus                         | 168       | 0.5       | 3.4                      | <b>2.0</b>   | 0.15                     | 0.22      | 126       | 0.4                      | 2.5       | <b>1.3</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 537       | 1.7       | 10.8                     | <b>6.4</b>   | 0.44                     | 0.77      | 206       | 0.7                      | 4.1       | <b>2.0</b>               | 0.10   | 0.23  | C22             |
| Gallbladder etc.             | 141       | 0.5       | 2.8                      | <b>1.5</b>   | 0.05                     | 0.18      | 159       | 0.5                      | 3.2       | <b>1.1</b>               | 0.04   | 0.12  | C23-24          |
| Pancreas                     | 793       | 2.5       | 15.9                     | <b>8.4</b>   | 0.41                     | 0.98      | 775       | 2.7                      | 15.4      | <b>6.2</b>               | 0.26   | 0.70  | C25             |
| Nose, sinuses etc.           | 39        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06      | 35        | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 260       | 0.8       | 5.2                      | <b>2.9</b>   | 0.14                     | 0.37      | 70        | 0.2                      | 1.4       | <b>0.7</b>               | 0.04   | 0.10  | C32             |
| Trachea, bronchus and lung   | 3395      | 10.9      | 68.2                     | <b>36.1</b>  | 1.44                     | 4.41      | 3668      | 12.7                     | 73.0      | <b>32.9</b>              | 1.37   | 4.22  | C33-34          |
| Other thoracic organs        | 31        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04      | 23        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 63        | 0.2       | 1.3                      | <b>1.0</b>   | 0.06                     | 0.09      | 49        | 0.2                      | 1.0       | <b>0.7</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 1999      | 6.4       | 40.1                     | <b>23.7</b>  | 1.45                     | 2.68      | 1419      | 4.9                      | 28.3      | <b>17.0</b>              | 1.22   | 1.78  | C43             |
| Other skin                   | 151       | 0.5       | 3.0                      | <b>1.7</b>   | 0.08                     | 0.16      | 87        | 0.3                      | 1.7       | <b>0.7</b>               | 0.03   | 0.07  | C44             |
| Mesothelioma                 | 126       | 0.4       | 2.5                      | <b>1.3</b>   | 0.04                     | 0.16      | 26        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 162       | 0.5       | 3.3                      | <b>2.2</b>   | 0.17                     | 0.20      | 8         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 265       | 0.9       | 5.3                      | <b>3.4</b>   | 0.20                     | 0.32      | 166       | 0.6                      | 3.3       | <b>1.9</b>               | 0.11   | 0.19  | C47+C49         |
| Breast                       | 66        | 0.2       | 1.3                      | <b>0.7</b>   | 0.03                     | 0.07      | 9383      | 32.4                     | 186.9     | <b>104.1</b>             | 7.28   | 12.22 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 149       | 0.5                      | 3.0       | <b>1.4</b>               | 0.07   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 35        | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 272       | 0.9                      | 5.4       | <b>3.7</b>               | 0.30   | 0.37  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 1706      | 5.9                      | 34.0      | <b>18.3</b>              | 1.24   | 2.34  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 28        | 0.1                      | 0.6       | <b>0.2</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 942       | 3.3                      | 18.8      | <b>10.2</b>              | 0.71   | 1.21  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 55        | 0.2                      | 1.1       | <b>0.6</b>               | 0.05   | 0.08  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 24        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 9552      | 30.6      | 191.8                    | <b>114.4</b> | 5.99                     | 15.82     |           |                          |           |                          |        |       | C61             |
| Testis                       | 371       | 1.2       | 7.4                      | <b>6.6</b>   | 0.49                     | 0.51      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 916       | 2.9       | 18.4                     | <b>10.9</b>  | 0.62                     | 1.36      | 507       | 1.8                      | 10.1      | <b>5.2</b>               | 0.30   | 0.62  | C64             |
| Renal pelvis                 | 64        | 0.2       | 1.3                      | <b>0.6</b>   | 0.02                     | 0.07      | 36        | 0.1                      | 0.7       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 40        | 0.1       | 0.8                      | <b>0.4</b>   | 0.01                     | 0.05      | 32        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C66             |
| Bladder                      | 2264      | 7.3       | 45.4                     | <b>23.4</b>  | 0.89                     | 2.75      | 714       | 2.5                      | 14.2      | <b>5.8</b>               | 0.24   | 0.70  | C67             |
| Other urinary organs         | 12        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.02      | 8         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 82        | 0.3       | 1.6                      | <b>1.2</b>   | 0.07                     | 0.11      | 81        | 0.3                      | 1.6       | <b>1.0</b>               | 0.06   | 0.10  | C69             |
| Brain, nervous system        | 507       | 1.6       | 10.2                     | <b>7.5</b>   | 0.47                     | 0.73      | 356       | 1.2                      | 7.1       | <b>5.2</b>               | 0.32   | 0.49  | C70-72          |
| Thyroid                      | 219       | 0.7       | 4.4                      | <b>3.0</b>   | 0.20                     | 0.31      | 650       | 2.2                      | 12.9      | <b>9.7</b>               | 0.75   | 0.92  | C73             |
| Adrenal gland                | 18        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.02      | 18        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 7         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 182       | 0.6       | 3.7                      | <b>3.0</b>   | 0.22                     | 0.26      | 138       | 0.5                      | 2.7       | <b>2.8</b>               | 0.18   | 0.22  | C81             |
| Non-Hodgkin lymphoma         | 1611      | 5.2       | 32.3                     | <b>18.8</b>  | 1.11                     | 1.98      | 1170      | 4.0                      | 23.3      | <b>11.5</b>              | 0.67   | 1.28  | C82-85,C96      |
| Immunoproliferative diseases | 40        | 0.1       | 0.8                      | <b>0.4</b>   | 0.01                     | 0.04      | 23        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 409       | 1.3       | 8.2                      | <b>4.4</b>   | 0.24                     | 0.52      | 287       | 1.0                      | 5.7       | <b>2.5</b>               | 0.13   | 0.29  | C90             |
| Lymphoid leukaemia           | 534       | 1.7       | 10.7                     | <b>7.1</b>   | 0.35                     | 0.78      | 342       | 1.2                      | 6.8       | <b>4.1</b>               | 0.20   | 0.40  | C91             |
| Myeloid leukaemia            | 361       | 1.2       | 7.2                      | <b>4.2</b>   | 0.20                     | 0.43      | 278       | 1.0                      | 5.5       | <b>2.9</b>               | 0.16   | 0.30  | C92-94          |
| Leukaemia unspecified        | 30        | 0.1       | 0.6                      | <b>0.2</b>   | 0.01                     | 0.01      | 28        | 0.1                      | 0.6       | <b>0.2</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 118       | 0.4       | 2.4                      | <b>1.4</b>   | 0.08                     | 0.15      | 114       | 0.4                      | 2.3       | <b>0.9</b>               | 0.04   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 297       | 1.0       | 6.0                      | <b>2.6</b>   | 0.05                     | 0.24      | 203       | 0.7                      | 4.0       | <b>1.3</b>               | 0.03   | 0.13  | MDS             |
| Other and unspecified        | 610       | 2.0       | 12.2                     | <b>6.3</b>   | 0.29                     | 0.69      | 785       | 2.7                      | 15.6      | <b>6.0</b>               | 0.25   | 0.64  | O&U             |
| All sites                    | 31320     |           | 628.7                    | <b>363.1</b> | 18.91                    | 43.91     | 29019     |                          | 577.9     | <b>297.6</b>             | 18.05  | 34.26 | C00-96          |
| All sites except C44         | 31169     | 100.0     | 625.7                    | <b>361.4</b> | 18.83                    | 43.75     | 28932     | 100.0                    | 576.2     | <b>296.9</b>             | 18.01  | 34.19 | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, California, San Francisco Bay Area: White (2003-2007)**

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 104       | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                | 0.11                | 38        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01   | 0.04                | C00                 |
| Tongue                       | 347       | 1.0       | 5.0                      | <b>3.6</b>   | 0.27                | 0.45                | 164       | 0.5       | 2.4                      | <b>1.4</b>   | 0.09   | 0.17                | C01-02              |
| Mouth                        | 150       | 0.4       | 2.2                      | <b>1.4</b>   | 0.09                | 0.16                | 141       | 0.4       | 2.1                      | <b>1.1</b>   | 0.05   | 0.13                | C03-06              |
| Salivary glands              | 133       | 0.4       | 1.9                      | <b>1.3</b>   | 0.07                | 0.15                | 86        | 0.3       | 1.3                      | <b>0.8</b>   | 0.05   | 0.10                | C07-08              |
| Tonsil                       | 207       | 0.6       | 3.0                      | <b>2.1</b>   | 0.19                | 0.26                | 59        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04   | 0.07                | C09                 |
| Other oropharynx             | 33        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.04                | 21        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C10                 |
| Nasopharynx                  | 36        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | 23        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C11                 |
| Hypopharynx                  | 71        | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.10                | 30        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.03                | C12-13              |
| Pharynx unspecified          | 15        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C14                 |
| Oesophagus                   | 469       | 1.3       | 6.8                      | <b>4.5</b>   | 0.23                | 0.54                | 156       | 0.5       | 2.3                      | <b>1.2</b>   | 0.05   | 0.15                | C15                 |
| Stomach                      | 618       | 1.7       | 8.9                      | <b>5.9</b>   | 0.27                | 0.69                | 393       | 1.2       | 5.8                      | <b>2.9</b>   | 0.15   | 0.32                | C16                 |
| Small intestine              | 131       | 0.4       | 1.9                      | <b>1.2</b>   | 0.07                | 0.15                | 102       | 0.3       | 1.5                      | <b>0.8</b>   | 0.04   | 0.10                | C17                 |
| Colon                        | 2259      | 6.4       | 32.6                     | <b>20.6</b>  | 0.91                | 2.40                | 2496      | 7.5       | 36.7                     | <b>17.2</b>  | 0.76   | 1.92                | C18                 |
| Rectum                       | 1044      | 3.0       | 15.0                     | <b>10.1</b>  | 0.56                | 1.22                | 767       | 2.3       | 11.3                     | <b>6.1</b>   | 0.36   | 0.68                | C19-20              |
| Anus                         | 182       | 0.5       | 2.6                      | <b>1.8</b>   | 0.14                | 0.20                | 144       | 0.4       | 2.1                      | <b>1.2</b>   | 0.09   | 0.14                | C21                 |
| Liver                        | 749       | 2.1       | 10.8                     | <b>7.7</b>   | 0.53                | 0.94                | 278       | 0.8       | 4.1                      | <b>2.3</b>   | 0.10   | 0.27                | C22                 |
| Gallbladder etc.             | 167       | 0.5       | 2.4                      | <b>1.5</b>   | 0.05                | 0.18                | 227       | 0.7       | 3.3                      | <b>1.5</b>   | 0.06   | 0.17                | C23-24              |
| Pancreas                     | 893       | 2.5       | 12.9                     | <b>8.2</b>   | 0.40                | 0.96                | 904       | 2.7       | 13.3                     | <b>6.2</b>   | 0.26   | 0.70                | C25                 |
| Nose, sinuses etc.           | 45        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | 41        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02   | 0.03                | C30-31              |
| Larynx                       | 301       | 0.9       | 4.3                      | <b>2.9</b>   | 0.14                | 0.36                | 82        | 0.2       | 1.2                      | <b>0.7</b>   | 0.04   | 0.10                | C32                 |
| Trachea, bronchus and lung   | 3753      | 10.6      | 54.1                     | <b>34.8</b>  | 1.37                | 4.23                | 4023      | 12.1      | 59.2                     | <b>31.0</b>  | 1.30   | 3.95                | C33-34              |
| Other thoracic organs        | 41        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04                | 30        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.03                | C37-38              |
| Bone                         | 81        | 0.2       | 1.2                      | <b>1.0</b>   | 0.06                | 0.09                | 59        | 0.2       | 0.9                      | <b>0.7</b>   | 0.05   | 0.05                | C40-41              |
| Melanoma of skin             | 2061      | 5.8       | 29.7                     | <b>20.3</b>  | 1.23                | 2.33                | 1492      | 4.5       | 22.0                     | <b>14.4</b>  | 1.02   | 1.52                | C43                 |
| Other skin                   | 165       | 0.5       | 2.4                      | <b>1.5</b>   | 0.08                | 0.15                | 100       | 0.3       | 1.5                      | <b>0.7</b>   | 0.03   | 0.07                | C44                 |
| Mesothelioma                 | 143       | 0.4       | 2.1                      | <b>1.3</b>   | 0.04                | 0.16                | 34        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01   | 0.03                | C45                 |
| Kaposi sarcoma               | 223       | 0.6       | 3.2                      | <b>2.3</b>   | 0.18                | 0.22                | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 305       | 0.9       | 4.4                      | <b>3.2</b>   | 0.18                | 0.30                | 203       | 0.6       | 3.0                      | <b>1.9</b>   | 0.12   | 0.19                | C47+C49             |
| Breast                       | 75        | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                | 0.07                | 10745     | 32.2      | 158.2                    | <b>99.8</b>  | 7.01   | 11.68               | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 159       | 0.5       | 2.3                      | <b>1.3</b>   | 0.07   | 0.15                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 45        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02   | 0.05                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 422       | 1.3       | 6.2                      | <b>4.6</b>   | 0.37   | 0.45                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 1952      | 5.9       | 28.7                     | <b>17.8</b>  | 1.21   | 2.26                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 33        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.03                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 1107      | 3.3       | 16.3                     | <b>10.1</b>  | 0.70   | 1.19                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 59        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04   | 0.07                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C58                 |
| Penis                        | 35        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.04                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 10746     | 30.4      | 154.9                    | <b>111.5</b> | 5.79                | 15.43               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 484       | 1.4       | 7.0                      | <b>6.0</b>   | 0.44                | 0.47                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 8         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 1098      | 3.1       | 15.8                     | <b>11.2</b>  | 0.65                | 1.38                | 645       | 1.9       | 9.5                      | <b>5.7</b>   | 0.34   | 0.67                | C64                 |
| Renal pelvis                 | 67        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                | 0.06                | 42        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01   | 0.03                | C65                 |
| Ureter                       | 42        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.04                | 37        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.03                | C66                 |
| Bladder                      | 2439      | 6.9       | 35.2                     | <b>21.9</b>  | 0.82                | 2.57                | 778       | 2.3       | 11.5                     | <b>5.4</b>   | 0.22   | 0.64                | C67                 |
| Other urinary organs         | 14        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.02                | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C68                 |
| Eye                          | 93        | 0.3       | 1.3                      | <b>1.1</b>   | 0.06                | 0.10                | 87        | 0.3       | 1.3                      | <b>0.8</b>   | 0.05   | 0.09                | C69                 |
| Brain, nervous system        | 594       | 1.7       | 8.6                      | <b>6.9</b>   | 0.43                | 0.69                | 426       | 1.3       | 6.3                      | <b>4.8</b>   | 0.30   | 0.47                | C70-72              |
| Thyroid                      | 256       | 0.7       | 3.7                      | <b>2.7</b>   | 0.18                | 0.29                | 836       | 2.5       | 12.3                     | <b>9.6</b>   | 0.75   | 0.92                | C73                 |
| Adrenal gland                | 28        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                | 0.03                | 25        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.03                | C74                 |
| Other endocrine              | 13        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 8         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C75                 |
| Hodgkin lymphoma             | 233       | 0.7       | 3.4                      | <b>2.8</b>   | 0.20                | 0.24                | 174       | 0.5       | 2.6                      | <b>2.5</b>   | 0.16   | 0.20                | C81                 |
| Non-Hodgkin lymphoma         | 1881      | 5.3       | 27.1                     | <b>18.4</b>  | 1.08                | 1.96                | 1377      | 4.1       | 20.3                     | <b>11.5</b>  | 0.67   | 1.28                | C82-85,C96          |
| Immunoproliferative diseases | 41        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.04                | 24        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.02                | C88                 |
| Multiple myeloma             | 476       | 1.3       | 6.9                      | <b>4.5</b>   | 0.24                | 0.52                | 347       | 1.0       | 5.1                      | <b>2.6</b>   | 0.13   | 0.32                | C90                 |
| Lymphoid leukaemia           | 609       | 1.7       | 8.8                      | <b>6.9</b>   | 0.35                | 0.73                | 394       | 1.2       | 5.8                      | <b>4.0</b>   | 0.20   | 0.38                | C91                 |
| Myeloid leukaemia            | 409       | 1.2       | 5.9                      | <b>4.0</b>   | 0.20                | 0.42                | 326       | 1.0       | 4.8                      | <b>2.8</b>   | 0.15   | 0.28                | C92-94              |
| Leukaemia unspecified        | 32        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.01                | 31        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01   | 0.02                | C95                 |
| Myeloproliferative disorders | 140       | 0.4       | 2.0                      | <b>1.4</b>   | 0.08                | 0.16                | 124       | 0.4       | 1.8                      | <b>0.9</b>   | 0.04   | 0.10                | MPD                 |
| Myelodysplastic syndromes    | 332       | 0.9       | 4.8                      | <b>2.7</b>   | 0.06                | 0.25                | 228       | 0.7       | 3.4                      | <b>1.3</b>   | 0.03   | 0.13                | MDS                 |
| Other and unspecified        | 668       | 1.9       | 9.6                      | <b>6.0</b>   | 0.27                | 0.66                | 906       | 2.7       | 13.3                     | <b>6.0</b>   | 0.26   | 0.65                | O&U                 |
| All sites                    | 35539     |           | 512.3                    | <b>352.3</b> | 18.21               | 42.74               | 33461     |           | 492.6                    | <b>288.8</b> | 17.58  | 33.16               | C00-96              |
| All sites except C44         | 35374     | 100.0     | 509.9                    | <b>350.8</b> | 18.13               | 42.59               | 33361     | 100.0     | 491.2                    | <b>288.1</b> | 17.54  | 33.10               | C00-96 exc. C44     |

§Includes 1 case of unknown age

\*See note following population pyramid





# USA, Colorado

## REGISTRATION AREA

The Colorado Central Cancer Registry (CCCR) covers the population of the entire state of Colorado in the USA. The state is divided into 64 counties. At the 2010 census, the state's total population was 5 million, a 17% increase since 2000. Colorado's population is 81% White, 4% Black, 1% American Indian or Alaska Native, and 3% Asian. Approximately 21% of the population is Hispanic or Latino (of any race). The population is 86% urban.

## CANCER CARE FACILITIES

Cancer care in Colorado is mostly provided by the 75 inpatient facilities throughout the state; most are privately operated, two are public institutions, two are Veterans Health Administration facilities, and three are military facilities. Colorado also has many free-standing surgery and radiation therapy facilities, and private oncology practitioners also provide care in their offices.

## REGISTRY STRUCTURE AND METHODS

The CCCR is located in the Colorado Department of Public Health and Environment, in the state capital of Denver. The registry is funded mostly by federal funds through the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR). Approximately 20% of the funding is from state general funds. The registry has 11.8 full-time equivalent positions and is staffed by a director, two statisticians, a data quality and training coordinator, a case ascertainment supervisor, and registrars (6.8 full-time equivalents). Most case reports are submitted by hospitals. Other data sources include pathology laboratories, radiation and surgery centres, death certificates, interstate data exchange, statewide hospital discharge datasets, and medical claims data. The CCCR maintains a rigorous quality control programme, which includes audits of hospital reporters, routine quality reviews of the data, and a statewide training programme for tumour registrars.

## INTERPRETING THE RESULTS

Colorado has no special characteristics that influence incidence rates, apart from several screening programmes.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.1 | Breast                     | 86.5  |
| Trachea, bronchus and lung | 34.6  | Trachea, bronchus and lung | 28.2  |
| Colon                      | 20.3  | Colon                      | 17.0  |
| Bladder                    | 19.2  | Corpus uteri               | 14.2  |
| Melanoma of skin           | 16.7  | Melanoma of skin           | 13.6  |
| Non-Hodgkin lymphoma       | 14.5  | Thyroid                    | 13.2  |
| Kidney                     | 11.7  | Non-Hodgkin lymphoma       | 10.7  |
| Rectum                     | 9.9   | Ovary                      | 9.7   |
| Pancreas                   | 7.3   | Other and unspecified      | 6.0   |
| Lymphoid leukaemia         | 6.9   | Rectum                     | 5.8   |
| All sites                  | 330.1 | All sites                  | 268.6 |

Breast and cervical cancer screening programmes for women aged 50–64 years and 40–64 years, respectively, started in 1991. Colorectal cancer screening for men and women aged 50–64 years began in 2006.

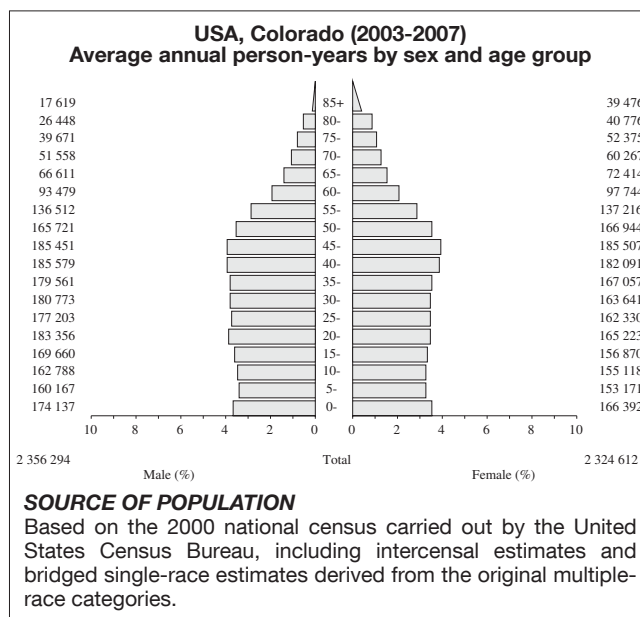
## USE OF THE DATA

The CCCR produces an annual report on cancer incidence and mortality. The report includes survival statistics and county-level data, as well as measures of early detection of disease. The data are published online and can be interactively queried. CCCR data are also used for many special studies, environmental risk analyses, cancer control programme evaluations, cancer care facility market analyses, and responses to citizen inquiries.

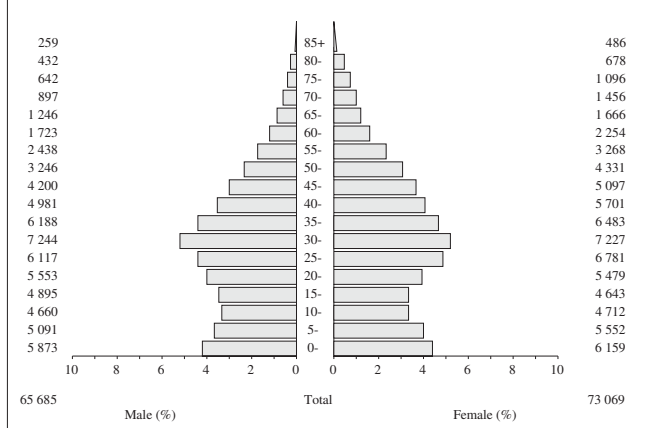
## CONTRIBUTORS

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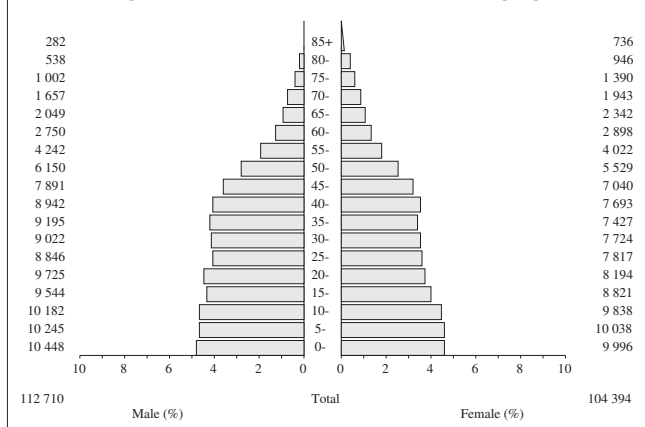
**USA, Colorado: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, COLORADO: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 38.1  | Breast                     | 48.4  |
| Trachea, bronchus and lung | 27.1  | Trachea, bronchus and lung | 17.5  |
| Colon                      | 15.0  | Colon                      | 11.6  |
| Liver                      | 14.4  | Thyroid                    | 11.4  |
| Stomach                    | 10.3  | Non-Hodgkin lymphoma       | 7.9   |
| Non-Hodgkin lymphoma       | 9.6   | Corpus uteri               | 7.2   |
| Rectum                     | 7.7   | Liver                      | 6.8   |
| Other and unspecified      | 5.5   | Ovary                      | 5.6   |
| Pancreas                   | 5.0   | Cervix uteri               | 5.6   |
| Lymphoid leukaemia         | 3.7   | Rectum                     | 5.1   |
| All sites                  | 173.5 | All sites                  | 170.1 |

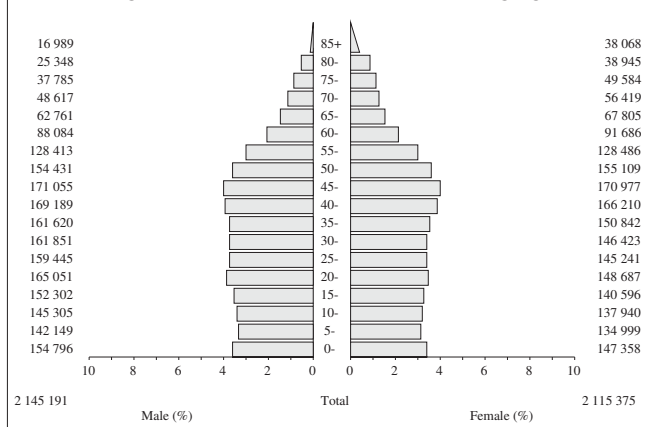
**USA, Colorado: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, COLORADO: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 160.5 | Breast                     | 70.8  |
| Trachea, bronchus and lung | 45.0  | Trachea, bronchus and lung | 28.0  |
| Colon                      | 25.6  | Colon                      | 20.7  |
| Kidney                     | 13.7  | Corpus uteri               | 12.1  |
| Pancreas                   | 11.7  | Thyroid                    | 10.6  |
| Liver                      | 11.7  | Multiple myeloma           | 8.4   |
| Non-Hodgkin lymphoma       | 9.8   | Ovary                      | 7.8   |
| Bladder                    | 9.3   | Pancreas                   | 7.3   |
| Rectum                     | 8.8   | Kidney                     | 7.0   |
| Multiple myeloma           | 7.7   | Non-Hodgkin lymphoma       | 6.8   |
| All sites                  | 373.7 | All sites                  | 237.5 |

**USA, Colorado: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, COLORADO: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 103.0 | Breast                     | 86.8  |
| Trachea, bronchus and lung | 34.5  | Trachea, bronchus and lung | 28.4  |
| Colon                      | 20.1  | Colon                      | 17.0  |
| Bladder                    | 19.4  | Melanoma of skin           | 14.5  |
| Melanoma of skin           | 17.7  | Corpus uteri               | 14.2  |
| Non-Hodgkin lymphoma       | 14.3  | Thyroid                    | 13.2  |
| Kidney                     | 11.7  | Non-Hodgkin lymphoma       | 10.6  |
| Rectum                     | 9.9   | Ovary                      | 9.8   |
| Pancreas                   | 7.3   | Other and unspecified      | 6.0   |
| Lymphoid leukaemia         | 6.7   | Kidney                     | 5.7   |
| All sites                  | 323.9 | All sites                  | 268.9 |

## USA, Colorado (2003-2007)

| SITE                         | Male       |           |                          |              |                     | Female   |            |           |                          |              | ICD-10 |                     |                 |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|------------|-----------|--------------------------|--------------|--------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | 0-74 (%)        |
| Lip                          | 116        | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.07     | 48         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01   | 0.03                | C00             |
| Tongue                       | 432        | 0.9       | 3.7                      | <b>3.0</b>   | 0.21                | 0.38     | 174        | 0.4       | 1.5                      | <b>1.1</b>   | 0.06   | 0.13                | C01-02          |
| Mouth                        | 203        | 0.4       | 1.7                      | <b>1.4</b>   | 0.08                | 0.17     | 159        | 0.4       | 1.4                      | <b>0.9</b>   | 0.04   | 0.09                | C03-06          |
| Salivary glands              | 161        | 0.3       | 1.4                      | <b>1.1</b>   | 0.05                | 0.11     | 104        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04   | 0.07                | C07-08          |
| Tonsil                       | 253        | 0.5       | 2.1                      | <b>1.7</b>   | 0.14                | 0.19     | 61         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02   | 0.05                | C09             |
| Other oropharynx             | 34         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03     | 20         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C10             |
| Nasopharynx                  | 65         | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05     | 27         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C11             |
| Hypopharynx                  | 64         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.05     | 20         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C12-13          |
| Pharynx unspecified          | 72         | 0.2       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05     | 19         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C14             |
| Oesophagus                   | 751        | 1.6       | 6.4                      | <b>5.1</b>   | 0.26                | 0.65     | 166        | 0.4       | 1.4                      | <b>0.9</b>   | 0.04   | 0.10                | C15             |
| Stomach                      | 699        | 1.5       | 5.9                      | <b>4.6</b>   | 0.22                | 0.57     | 397        | 0.9       | 3.4                      | <b>2.1</b>   | 0.10   | 0.23                | C16             |
| Small intestine              | 210        | 0.4       | 1.8                      | <b>1.4</b>   | 0.09                | 0.17     | 191        | 0.4       | 1.6                      | <b>1.1</b>   | 0.06   | 0.13                | C17             |
| Colon                        | 3085       | 6.4       | 26.2                     | <b>20.3</b>  | 0.89                | 2.34     | 3281       | 7.3       | 28.2                     | <b>17.0</b>  | 0.77   | 1.92                | C18             |
| Rectum                       | 1458       | 3.0       | 12.4                     | <b>9.9</b>   | 0.57                | 1.20     | 1045       | 2.3       | 9.0                      | <b>5.8</b>   | 0.35   | 0.65                | C19-20          |
| Anus                         | 119        | 0.2       | 1.0                      | <b>0.8</b>   | 0.06                | 0.08     | 221        | 0.5       | 1.9                      | <b>1.3</b>   | 0.10   | 0.15                | C21             |
| Liver                        | 841        | 1.8       | 7.1                      | <b>5.7</b>   | 0.37                | 0.66     | 346        | 0.8       | 3.0                      | <b>2.0</b>   | 0.11   | 0.21                | C22             |
| Gallbladder etc.             | 234        | 0.5       | 2.0                      | <b>1.5</b>   | 0.07                | 0.19     | 298        | 0.7       | 2.6                      | <b>1.5</b>   | 0.07   | 0.17                | C23-24          |
| Pancreas                     | 1090       | 2.3       | 9.3                      | <b>7.3</b>   | 0.36                | 0.91     | 1092       | 2.4       | 9.4                      | <b>5.7</b>   | 0.24   | 0.67                | C25             |
| Nose, sinuses etc.           | 70         | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05     | 53         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.03                | C30-31          |
| Larynx                       | 420        | 0.9       | 3.6                      | <b>3.0</b>   | 0.16                | 0.41     | 129        | 0.3       | 1.1                      | <b>0.8</b>   | 0.05   | 0.10                | C32             |
| Trachea, bronchus and lung   | 5208       | 10.9      | 44.2                     | <b>34.6</b>  | 1.33                | 4.26     | 5003       | 11.1      | 43.0                     | <b>28.2</b>  | 1.21   | 3.67                | C33-34          |
| Other thoracic organs        | 69         | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05     | 41         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.03                | C37-38          |
| Bone                         | 148        | 0.3       | 1.3                      | <b>1.3</b>   | 0.08                | 0.10     | 104        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06   | 0.07                | C40-41          |
| Melanoma of skin             | 2500       | 5.2       | 21.2                     | <b>16.7</b>  | 1.06                | 1.85     | 2087       | 4.6       | 18.0                     | <b>13.6</b>  | 0.98   | 1.37                | C43             |
| Other skin                   | 147        | 0.3       | 1.2                      | <b>1.0</b>   | 0.04                | 0.09     | 141        | 0.3       | 1.2                      | <b>0.8</b>   | 0.05   | 0.08                | C44             |
| Mesothelioma                 | 128        | 0.3       | 1.1                      | <b>0.8</b>   | 0.03                | 0.10     | 38         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.03                | C45             |
| Kaposi sarcoma               | 65         | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04     | 4          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C46             |
| Connective and soft tissue   | 363        | 0.8       | 3.1                      | <b>2.6</b>   | 0.15                | 0.26     | 283        | 0.6       | 2.4                      | <b>1.9</b>   | 0.10   | 0.19                | C47+C49         |
| Breast                       | 99         | 0.2       | 0.8                      | <b>0.7</b>   | 0.03                | 0.08     | 14072      | 31.3      | 121.1                    | <b>86.5</b>  | 6.08   | 10.11               | C50             |
| Vulva                        |            |           |                          |              |                     |          | 251        | 0.6       | 2.2                      | <b>1.4</b>   | 0.08   | 0.14                | C51             |
| Vagina                       |            |           |                          |              |                     |          | 71         | 0.2       | 0.6                      | <b>0.4</b>   | 0.02   | 0.04                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 810        | 1.8       | 7.0                      | <b>5.5</b>   | 0.44   | 0.53                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 2292       | 5.1       | 19.7                     | <b>14.2</b>  | 1.04   | 1.71                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 57         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.02                | C55             |
| Ovary                        |            |           |                          |              |                     |          | 1592       | 3.5       | 13.7                     | <b>9.7</b>   | 0.64   | 1.12                | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 87         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03   | 0.06                | C57             |
| Placenta                     |            |           |                          |              |                     |          | 14         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C58             |
| Penis                        | 62         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04     |            |           |                          |              |        |                     | C60             |
| Prostate                     | 15444      | 32.2      | 131.1                    | <b>109.1</b> | 5.72                | 14.85    |            |           |                          |              |        |                     | C61             |
| Testis                       | 719        | 1.5       | 6.1                      | <b>5.3</b>   | 0.40                | 0.41     |            |           |                          |              |        |                     | C62             |
| Other male genital organs    | 20         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01     |            |           |                          |              |        |                     | C63             |
| Kidney                       | 1697       | 3.5       | 14.4                     | <b>11.7</b>  | 0.68                | 1.44     | 964        | 2.1       | 8.3                      | <b>5.7</b>   | 0.34   | 0.65                | C64             |
| Renal pelvis                 | 70         | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                | 0.06     | 62         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.03                | C65             |
| Ureter                       | 51         | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                | 0.05     | 46         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.03                | C66             |
| Bladder                      | 2929       | 6.1       | 24.9                     | <b>19.2</b>  | 0.75                | 2.26     | 955        | 2.1       | 8.2                      | <b>5.1</b>   | 0.23   | 0.59                | C67             |
| Other urinary organs         | 23         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01     | 9          | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.01                | C68             |
| Eye                          | 104        | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                | 0.09     | 109        | 0.2       | 0.9                      | <b>0.8</b>   | 0.05   | 0.08                | C69             |
| Brain, nervous system        | 803        | 1.7       | 6.8                      | <b>6.0</b>   | 0.37                | 0.58     | 678        | 1.5       | 5.8                      | <b>4.8</b>   | 0.29   | 0.45                | C70-72          |
| Thyroid                      | 614        | 1.3       | 5.2                      | <b>4.2</b>   | 0.29                | 0.46     | 1890       | 4.2       | 16.3                     | <b>13.2</b>  | 1.04   | 1.25                | C73             |
| Adrenal gland                | 37         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03     | 32         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74             |
| Other endocrine              | 24         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01     | 9          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C75             |
| Hodgkin lymphoma             | 343        | 0.7       | 2.9                      | <b>2.6</b>   | 0.18                | 0.23     | 269        | 0.6       | 2.3                      | <b>2.1</b>   | 0.13   | 0.17                | C81             |
| Non-Hodgkin lymphoma         | 2122       | 4.4       | 18.0                     | <b>14.5</b>  | 0.79                | 1.60     | 1833       | 4.1       | 15.8                     | <b>10.7</b>  | 0.60   | 1.21                | C82-85,C96      |
| Immunoproliferative diseases | 42         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03     | 38         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.03                | C88             |
| Multiple myeloma             | 622        | 1.3       | 5.3                      | <b>4.1</b>   | 0.18                | 0.49     | 461        | 1.0       | 4.0                      | <b>2.5</b>   | 0.13   | 0.30                | C90             |
| Lymphoid leukaemia           | 904        | 1.9       | 7.7                      | <b>6.9</b>   | 0.34                | 0.66     | 591        | 1.3       | 5.1                      | <b>3.9</b>   | 0.18   | 0.38                | C91             |
| Myeloid leukaemia            | 600        | 1.3       | 5.1                      | <b>4.0</b>   | 0.20                | 0.39     | 506        | 1.1       | 4.4                      | <b>3.0</b>   | 0.17   | 0.31                | C92-94          |
| Leukaemia unspecified        | 52         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03     | 42         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.01                | C95             |
| Myeloproliferative disorders | 282        | 0.6       | 2.4                      | <b>1.9</b>   | 0.09                | 0.22     | 248        | 0.6       | 2.1                      | <b>1.4</b>   | 0.07   | 0.16                | MPD             |
| Myelodysplastic syndromes    | 405        | 0.8       | 3.4                      | <b>2.5</b>   | 0.05                | 0.24     | 331        | 0.7       | 2.8                      | <b>1.5</b>   | 0.05   | 0.16                | MDS             |
| Other and unspecified        | 993        | 2.1       | 8.4                      | <b>6.4</b>   | 0.31                | 0.66     | 1221       | 2.7       | 10.5                     | <b>6.0</b>   | 0.25   | 0.64                | O&U             |
| All sites                    | 48066      |           | 408.0                    | <b>330.1</b> | 17.02               | 40.00    | 45092      |           | 388.0                    | <b>268.6</b> | 16.47  | 30.49               | C00-96          |
| All sites except C44         | 47919      | 100.0     | 406.7                    | <b>329.1</b> | 16.97               | 39.92    | 44951      | 100.0     | 386.7                    | <b>267.8</b> | 16.42  | 30.41               | C00-96 exc. C44 |

§Includes 4 cases of unknown age

§Includes 5 cases of unknown age

## USA, Colorado: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 1         | 0.2       | 0.3                      | <b>0.5</b>   | 0.00                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C01-02          |
| Mouth                        | 2         | 0.4       | 0.6                      | <b>0.6</b>   | 0.07                     | 0.07      | 3         | 0.4                      | 0.8       | <b>0.8</b>               | 0.08   | 0.08  | C03-06          |
| Salivary glands              | 2         | 0.4       | 0.6                      | <b>0.6</b>   | 0.05                     | 0.05      | 3         | 0.4                      | 0.8       | <b>1.0</b>               | 0.03   | 0.15  | C07-08          |
| Tonsil                       | 2         | 0.4       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.02      | 2         | 0.3                      | 0.5       | <b>0.6</b>               | 0.04   | 0.11  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 9         | 1.9       | 2.7                      | <b>2.2</b>   | 0.18                     | 0.18      | 3         | 0.4                      | 0.8       | <b>0.6</b>               | 0.05   | 0.05  | C11             |
| Hypopharynx                  | 2         | 0.4       | 0.6                      | <b>0.8</b>   | 0.00                     | 0.11      | 1         | 0.1                      | 0.3       | <b>0.4</b>               | 0.00   | 0.06  | C12-13          |
| Pharynx unspecified          | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 7         | 1.5       | 2.1                      | <b>2.3</b>   | 0.05                     | 0.24      | 5         | 0.7                      | 1.4       | <b>1.4</b>               | 0.06   | 0.19  | C15             |
| Stomach                      | 29        | 6.1       | 8.8                      | <b>10.3</b>  | 0.46                     | 1.12      | 20        | 2.9                      | 5.5       | <b>4.9</b>               | 0.24   | 0.62  | C16             |
| Small intestine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.4                      | 0.8       | <b>0.8</b>               | 0.08   | 0.08  | C17             |
| Colon                        | 39        | 8.1       | 11.9                     | <b>15.0</b>  | 0.61                     | 1.90      | 48        | 7.1                      | 13.1      | <b>11.6</b>              | 0.42   | 1.32  | C18             |
| Rectum                       | 20        | 4.2       | 6.1                      | <b>7.7</b>   | 0.27                     | 0.93      | 21        | 3.1                      | 5.7       | <b>5.1</b>               | 0.43   | 0.57  | C19-20          |
| Anus                         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C21             |
| Liver                        | 42        | 8.8       | 12.8                     | <b>14.4</b>  | 0.64                     | 1.79      | 27        | 4.0                      | 7.4       | <b>6.8</b>               | 0.26   | 0.84  | C22             |
| Gallbladder etc.             | 6         | 1.3       | 1.8                      | <b>2.2</b>   | 0.03                     | 0.22      | 9         | 1.3                      | 2.5       | <b>1.9</b>               | 0.10   | 0.17  | C23-24          |
| Pancreas                     | 13        | 2.7       | 4.0                      | <b>5.0</b>   | 0.21                     | 0.63      | 17        | 2.5                      | 4.7       | <b>4.2</b>               | 0.11   | 0.57  | C25             |
| Nose, sinuses etc.           | 2         | 0.4       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 3         | 0.6       | 0.9                      | <b>1.1</b>   | 0.14                     | 0.14      | 1         | 0.1                      | 0.3       | <b>0.4</b>               | 0.00   | 0.06  | C32             |
| Trachea, bronchus and lung   | 72        | 15.0      | 21.9                     | <b>27.1</b>  | 0.88                     | 3.47      | 68        | 10.0                     | 18.6      | <b>17.5</b>              | 0.68   | 2.29  | C33-34          |
| Other thoracic organs        | 3         | 0.6       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.07      | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.3                      | 0.5       | <b>0.7</b>               | 0.04   | 0.04  | C40-41          |
| Melanoma of skin             | 2         | 0.4       | 0.6                      | <b>0.7</b>   | 0.00                     | 0.00      | 6         | 0.9                      | 1.6       | <b>1.6</b>               | 0.17   | 0.17  | C43             |
| Other skin                   | 2         | 0.4       | 0.6                      | <b>0.8</b>   | 0.03                     | 0.11      | 1         | 0.1                      | 0.3       | <b>0.4</b>               | 0.04   | 0.04  | C44             |
| Mesothelioma                 | 1         | 0.2       | 0.3                      | <b>0.5</b>   | 0.00                     | 0.08      | 2         | 0.3                      | 0.5       | <b>0.7</b>               | 0.00   | 0.12  | C45             |
| Kaposi sarcoma               | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 10        | 2.1       | 3.0                      | <b>3.5</b>   | 0.29                     | 0.37      | 4         | 0.6                      | 1.1       | <b>1.0</b>               | 0.02   | 0.14  | C47+C49         |
| Breast                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 191       | 28.2                     | 52.3      | <b>48.4</b>              | 3.51   | 5.64  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 2         | 0.3                      | 0.5       | <b>0.5</b>               | 0.00   | 0.06  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 5         | 0.7                      | 1.4       | <b>1.1</b>               | 0.10   | 0.10  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 24        | 3.5                      | 6.6       | <b>5.6</b>               | 0.49   | 0.63  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 29        | 4.3                      | 7.9       | <b>7.2</b>               | 0.54   | 0.86  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.00  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 23        | 3.4                      | 6.3       | <b>5.6</b>               | 0.31   | 0.71  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.3                      | 0.5       | <b>0.4</b>               | 0.03   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C58             |
| Penis                        | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 95        | 19.8      | 28.9                     | <b>38.1</b>  | 1.60                     | 5.25      |           |                          |           |                          |        |       | C61             |
| Testis                       | 3         | 0.6       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.07      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 8         | 1.7       | 2.4                      | <b>2.5</b>   | 0.13                     | 0.24      | 9         | 1.3                      | 2.5       | <b>2.5</b>               | 0.16   | 0.35  | C64             |
| Renal pelvis                 | 2         | 0.4       | 0.6                      | <b>0.6</b>   | 0.06                     | 0.06      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 1         | 0.2       | 0.3                      | <b>0.5</b>   | 0.06                     | 0.06      | 2         | 0.3                      | 0.5       | <b>0.5</b>               | 0.03   | 0.10  | C66             |
| Bladder                      | 9         | 1.9       | 2.7                      | <b>3.5</b>   | 0.10                     | 0.37      | 8         | 1.2                      | 2.2       | <b>2.1</b>               | 0.10   | 0.22  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 1         | 0.2       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 6         | 1.3       | 1.8                      | <b>1.8</b>   | 0.06                     | 0.06      | 12        | 1.8                      | 3.3       | <b>2.9</b>               | 0.14   | 0.21  | C70-72          |
| Thyroid                      | 8         | 1.7       | 2.4                      | <b>2.3</b>   | 0.18                     | 0.18      | 47        | 6.9                      | 12.9      | <b>11.4</b>              | 0.95   | 1.14  | C73             |
| Adrenal gland                | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 2         | 0.4       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.03      | 1         | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C81             |
| Non-Hodgkin lymphoma         | 30        | 6.3       | 9.1                      | <b>9.6</b>   | 0.28                     | 0.89      | 31        | 4.6                      | 8.5       | <b>7.9</b>               | 0.30   | 0.88  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 5         | 1.0       | 1.5                      | <b>1.7</b>   | 0.07                     | 0.19      | 8         | 1.2                      | 2.2       | <b>1.8</b>               | 0.03   | 0.24  | C90             |
| Lymphoid leukaemia           | 10        | 2.1       | 3.0                      | <b>3.7</b>   | 0.09                     | 0.51      | 6         | 0.9                      | 1.6       | <b>1.9</b>               | 0.09   | 0.16  | C91             |
| Myeloid leukaemia            | 7         | 1.5       | 2.1                      | <b>2.2</b>   | 0.13                     | 0.13      | 5         | 0.7                      | 1.4       | <b>1.2</b>               | 0.13   | 0.13  | C92-94          |
| Leukaemia unspecified        | 1         | 0.2       | 0.3                      | <b>0.4</b>   | 0.00                     | 0.11      | 1         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | MPD             |
| Myelodysplastic syndromes    | 3         | 0.6       | 0.9                      | <b>1.2</b>   | 0.08                     | 0.19      | 6         | 0.9                      | 1.6       | <b>1.6</b>               | 0.00   | 0.19  | MDS             |
| Other and unspecified        | 17        | 3.5       | 5.2                      | <b>5.5</b>   | 0.33                     | 0.44      | 17        | 2.5                      | 4.7       | <b>4.0</b>               | 0.14   | 0.32  | O&U             |
| All sites                    | 481       |           | 146.5                    | <b>173.5</b> | 7.41                     | 20.48     | 679       |                          | 185.8     | <b>170.1</b>             | 9.99   | 19.70 | C00-96          |
| All sites except C44         | 479       | 100.0     | 145.8                    | <b>172.8</b> | 7.38                     | 20.36     | 678       | 100.0                    | 185.6     | <b>169.7</b>             | 9.95   | 19.66 | C00-96 exc. C44 |

## USA, Colorado: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 9         | 0.5       | 1.6                      | <b>1.9</b>   | 0.07                     | 0.29      | 3         | 0.2                      | 0.6       | <b>0.6</b>               | 0.06   | 0.06  | C01-02          |
| Mouth                        | 6         | 0.4       | 1.1                      | <b>1.4</b>   | 0.08                     | 0.19      | 2         | 0.2                      | 0.4       | <b>0.4</b>               | 0.04   | 0.04  | C03-06          |
| Salivary glands              | 4         | 0.2       | 0.7                      | <b>0.9</b>   | 0.06                     | 0.06      | 2         | 0.2                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C07-08          |
| Tonsil                       | 9         | 0.5       | 1.6                      | <b>1.8</b>   | 0.14                     | 0.25      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C09             |
| Other oropharynx             | 2         | 0.1       | 0.4                      | <b>0.3</b>   | 0.04                     | 0.04      | 2         | 0.2                      | 0.4       | <b>0.5</b>               | 0.05   | 0.05  | C10             |
| Nasopharynx                  | 5         | 0.3       | 0.9                      | <b>0.8</b>   | 0.08                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 4         | 0.2       | 0.7                      | <b>0.6</b>   | 0.06                     | 0.06      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 2         | 0.1       | 0.4                      | <b>0.5</b>   | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 27        | 1.6       | 4.8                      | <b>6.1</b>   | 0.24                     | 0.74      | 7         | 0.6                      | 1.3       | <b>1.7</b>               | 0.11   | 0.25  | C15             |
| Stomach                      | 26        | 1.6       | 4.6                      | <b>6.0</b>   | 0.27                     | 0.74      | 26        | 2.1                      | 5.0       | <b>5.2</b>               | 0.32   | 0.70  | C16             |
| Small intestine              | 11        | 0.7       | 2.0                      | <b>2.3</b>   | 0.15                     | 0.25      | 11        | 0.9                      | 2.1       | <b>1.8</b>               | 0.09   | 0.13  | C17             |
| Colon                        | 117       | 7.0       | 20.8                     | <b>25.6</b>  | 1.31                     | 3.15      | 109       | 8.8                      | 20.9      | <b>20.7</b>              | 1.01   | 2.42  | C18             |
| Rectum                       | 43        | 2.6       | 7.6                      | <b>8.8</b>   | 0.57                     | 1.12      | 31        | 2.5                      | 5.9       | <b>5.9</b>               | 0.38   | 0.70  | C19-20          |
| Anus                         | 5         | 0.3       | 0.9                      | <b>0.9</b>   | 0.09                     | 0.09      | 4         | 0.3                      | 0.8       | <b>0.7</b>               | 0.03   | 0.08  | C21             |
| Liver                        | 53        | 3.2       | 9.4                      | <b>11.7</b>  | 0.93                     | 1.46      | 11        | 0.9                      | 2.1       | <b>1.9</b>               | 0.07   | 0.21  | C22             |
| Gallbladder etc.             | 11        | 0.7       | 2.0                      | <b>2.4</b>   | 0.05                     | 0.27      | 13        | 1.1                      | 2.5       | <b>2.5</b>               | 0.14   | 0.28  | C23-24          |
| Pancreas                     | 52        | 3.1       | 9.2                      | <b>11.7</b>  | 0.47                     | 1.54      | 40        | 3.2                      | 7.7       | <b>7.3</b>               | 0.34   | 0.87  | C25             |
| Nose, sinuses etc.           | 1         | 0.1       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.05      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 21        | 1.3       | 3.7                      | <b>5.1</b>   | 0.26                     | 0.75      | 5         | 0.4                      | 1.0       | <b>1.0</b>               | 0.04   | 0.13  | C32             |
| Trachea, bronchus and lung   | 201       | 12.0      | 35.7                     | <b>45.0</b>  | 1.98                     | 5.82      | 138       | 11.2                     | 26.4      | <b>28.0</b>              | 1.24   | 3.76  | C33-34          |
| Other thoracic organs        | 2         | 0.1       | 0.4                      | <b>0.4</b>   | 0.05                     | 0.05      | 3         | 0.2                      | 0.6       | <b>0.7</b>               | 0.06   | 0.06  | C37-38          |
| Bone                         | 4         | 0.2       | 0.7                      | <b>0.6</b>   | 0.05                     | 0.05      | 2         | 0.2                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C40-41          |
| Melanoma of skin             | 7         | 0.4       | 1.2                      | <b>1.5</b>   | 0.05                     | 0.10      | 4         | 0.3                      | 0.8       | <b>0.8</b>               | 0.03   | 0.12  | C43             |
| Other skin                   | 8         | 0.5       | 1.4                      | <b>1.3</b>   | 0.10                     | 0.10      | 5         | 0.4                      | 1.0       | <b>1.0</b>               | 0.10   | 0.10  | C44             |
| Mesothelioma                 | 2         | 0.1       | 0.4                      | <b>0.6</b>   | 0.07                     | 0.07      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 6         | 0.4       | 1.1                      | <b>0.8</b>   | 0.07                     | 0.07      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 6         | 0.4       | 1.1                      | <b>1.2</b>   | 0.06                     | 0.17      | 11        | 0.9                      | 2.1       | <b>2.2</b>               | 0.14   | 0.23  | C47+C49         |
| Breast                       | 3         | 0.2       | 0.5                      | <b>0.7</b>   | 0.05                     | 0.10      | 377       | 30.5                     | 72.2      | <b>70.8</b>              | 4.62   | 8.41  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 5         | 0.4                      | 1.0       | <b>0.9</b>               | 0.05   | 0.05  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 4         | 0.3                      | 0.8       | <b>0.8</b>               | 0.01   | 0.11  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 36        | 2.9                      | 6.9       | <b>6.5</b>               | 0.45   | 0.68  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 59        | 4.8                      | 11.3      | <b>12.1</b>              | 0.92   | 1.48  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 4         | 0.3                      | 0.8       | <b>0.6</b>               | 0.00   | 0.05  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 39        | 3.2                      | 7.5       | <b>7.8</b>               | 0.51   | 1.03  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 4         | 0.3                      | 0.8       | <b>0.8</b>               | 0.04   | 0.09  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 4         | 0.2       | 0.7                      | <b>0.9</b>   | 0.04                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 692       | 41.3      | 122.8                    | <b>160.5</b> | 9.56                     | 21.49     |           |                          |           |                          |        |       | C61             |
| Testis                       | 10        | 0.6       | 1.8                      | <b>1.6</b>   | 0.12                     | 0.12      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 64        | 3.8       | 11.4                     | <b>13.7</b>  | 0.87                     | 1.57      | 36        | 2.9                      | 6.9       | <b>7.0</b>               | 0.45   | 0.84  | C64             |
| Renal pelvis                 | 1         | 0.1       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.05      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 42        | 2.5       | 7.5                      | <b>9.3</b>   | 0.51                     | 1.06      | 20        | 1.6                      | 3.8       | <b>3.9</b>               | 0.18   | 0.50  | C67             |
| Other urinary organs         | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C68             |
| Eye                          | 2         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 16        | 1.0       | 2.8                      | <b>3.1</b>   | 0.20                     | 0.35      | 18        | 1.5                      | 3.4       | <b>3.5</b>               | 0.19   | 0.32  | C70-72          |
| Thyroid                      | 10        | 0.6       | 1.8                      | <b>1.9</b>   | 0.16                     | 0.21      | 57        | 4.6                      | 10.9      | <b>10.6</b>              | 0.82   | 1.14  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.2                      | 0.6       | <b>0.7</b>               | 0.03   | 0.08  | C74             |
| Other endocrine              | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 14        | 0.8       | 2.5                      | <b>2.5</b>   | 0.13                     | 0.24      | 2         | 0.2                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C81             |
| Non-Hodgkin lymphoma         | 50        | 3.0       | 8.9                      | <b>9.8</b>   | 0.60                     | 0.98      | 37        | 3.0                      | 7.1       | <b>6.8</b>               | 0.37   | 0.65  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 36        | 2.1       | 6.4                      | <b>7.7</b>   | 0.41                     | 0.80      | 41        | 3.3                      | 7.9       | <b>8.4</b>               | 0.67   | 1.06  | C90             |
| Lymphoid leukaemia           | 24        | 1.4       | 4.3                      | <b>5.5</b>   | 0.21                     | 0.63      | 7         | 0.6                      | 1.3       | <b>1.2</b>               | 0.03   | 0.11  | C91             |
| Myeloid leukaemia            | 18        | 1.1       | 3.2                      | <b>3.9</b>   | 0.20                     | 0.36      | 11        | 0.9                      | 2.1       | <b>2.2</b>               | 0.12   | 0.27  | C92-94          |
| Leukaemia unspecified        | 2         | 0.1       | 0.4                      | <b>0.5</b>   | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 6         | 0.4       | 1.1                      | <b>1.4</b>   | 0.05                     | 0.22      | 5         | 0.4                      | 1.0       | <b>0.9</b>               | 0.03   | 0.07  | MPD             |
| Myelodysplastic syndromes    | 7         | 0.4       | 1.2                      | <b>1.7</b>   | 0.06                     | 0.17      | 6         | 0.5                      | 1.1       | <b>0.9</b>               | 0.01   | 0.06  | MDS             |
| Other and unspecified        | 38        | 2.3       | 6.7                      | <b>7.7</b>   | 0.57                     | 0.79      | 34        | 2.8                      | 6.5       | <b>6.7</b>               | 0.33   | 0.85  | O&U             |
| All sites                    | 1685      |           | 299.0                    | <b>373.7</b> | 21.18                    | 46.88     | 1240      |                          | 237.6     | <b>237.5</b>             | 14.26  | 28.23 | C00-96          |
| All sites except C44         | 1677      | 100.0     | 297.6                    | <b>372.5</b> | 21.08                    | 46.79     | 1235      | 100.0                    | 236.6     | <b>236.5</b>             | 14.16  | 28.13 | C00-96 exc. C44 |

## USA, Colorado: White (2003-2007)

| SITE                         | Male      |           |                          |              |                     |          | Female     |           |                          |              |                     |          |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|----------|------------|-----------|--------------------------|--------------|---------------------|----------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | ICD-10          |
| Lip                          | 102       | 0.2       | 1.0                      | <b>0.7</b>   | 0.03                | 0.07     | 44         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03     | C00             |
| Tongue                       | 415       | 0.9       | 3.9                      | <b>3.1</b>   | 0.22                | 0.39     | 166        | 0.4       | 1.6                      | <b>1.1</b>   | 0.06                | 0.13     | C01-02          |
| Mouth                        | 191       | 0.4       | 1.8                      | <b>1.4</b>   | 0.08                | 0.17     | 148        | 0.4       | 1.4                      | <b>0.9</b>   | 0.04                | 0.09     | C03-06          |
| Salivary glands              | 153       | 0.3       | 1.4                      | <b>1.1</b>   | 0.05                | 0.11     | 96         | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.07     | C07-08          |
| Tonsil                       | 242       | 0.5       | 2.3                      | <b>1.7</b>   | 0.15                | 0.19     | 57         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.05     | C09             |
| Other oropharynx             | 31        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03     | 18         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.02     | C10             |
| Nasopharynx                  | 51        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.05     | 23         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | C11             |
| Hypopharynx                  | 57        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.05     | 19         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02     | C12-13          |
| Pharynx unspecified          | 69        | 0.2       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05     | 19         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02     | C14             |
| Oesophagus                   | 709       | 1.6       | 6.6                      | <b>5.1</b>   | 0.26                | 0.65     | 151        | 0.4       | 1.4                      | <b>0.8</b>   | 0.03                | 0.10     | C15             |
| Stomach                      | 630       | 1.4       | 5.9                      | <b>4.4</b>   | 0.21                | 0.54     | 346        | 0.8       | 3.3                      | <b>1.9</b>   | 0.09                | 0.20     | C16             |
| Small intestine              | 193       | 0.4       | 1.8                      | <b>1.4</b>   | 0.09                | 0.17     | 177        | 0.4       | 1.7                      | <b>1.1</b>   | 0.06                | 0.13     | C17             |
| Colon                        | 2893      | 6.5       | 27.0                     | <b>20.1</b>  | 0.88                | 2.31     | 3084       | 7.3       | 29.2                     | <b>17.0</b>  | 0.76                | 1.90     | C18             |
| Rectum                       | 1369      | 3.1       | 12.8                     | <b>9.9</b>   | 0.57                | 1.19     | 965        | 2.3       | 9.1                      | <b>5.7</b>   | 0.34                | 0.63     | C19-20          |
| Anus                         | 111       | 0.3       | 1.0                      | <b>0.8</b>   | 0.05                | 0.08     | 214        | 0.5       | 2.0                      | <b>1.4</b>   | 0.10                | 0.16     | C21             |
| Liver                        | 730       | 1.7       | 6.8                      | <b>5.2</b>   | 0.34                | 0.60     | 296        | 0.7       | 2.8                      | <b>1.7</b>   | 0.10                | 0.19     | C22             |
| Gallbladder etc.             | 216       | 0.5       | 2.0                      | <b>1.5</b>   | 0.07                | 0.18     | 273        | 0.6       | 2.6                      | <b>1.5</b>   | 0.06                | 0.16     | C23-24          |
| Pancreas                     | 1018      | 2.3       | 9.5                      | <b>7.3</b>   | 0.36                | 0.89     | 1030       | 2.4       | 9.7                      | <b>5.7</b>   | 0.24                | 0.67     | C25             |
| Nose, sinuses etc.           | 66        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05     | 51         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03     | C30-31          |
| Larynx                       | 387       | 0.9       | 3.6                      | <b>2.9</b>   | 0.15                | 0.40     | 122        | 0.3       | 1.2                      | <b>0.8</b>   | 0.06                | 0.10     | C32             |
| Trachea, bronchus and lung   | 4912      | 11.1      | 45.8                     | <b>34.5</b>  | 1.32                | 4.23     | 4762       | 11.3      | 45.0                     | <b>28.4</b>  | 1.23                | 3.71     | C33-34          |
| Other thoracic organs        | 63        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05     | 35         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03     | C37-38          |
| Bone                         | 142       | 0.3       | 1.3                      | <b>1.3</b>   | 0.08                | 0.10     | 98         | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                | 0.07     | C40-41          |
| Melanoma of skin             | 2479      | 5.6       | 23.1                     | <b>17.7</b>  | 1.13                | 1.96     | 2052       | 4.9       | 19.4                     | <b>14.5</b>  | 1.05                | 1.45     | C43             |
| Other skin                   | 133       | 0.3       | 1.2                      | <b>0.9</b>   | 0.04                | 0.08     | 130        | 0.3       | 1.2                      | <b>0.8</b>   | 0.04                | 0.08     | C44             |
| Mesothelioma                 | 123       | 0.3       | 1.1                      | <b>0.8</b>   | 0.03                | 0.11     | 36         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03     | C45             |
| Kaposi sarcoma               | 54        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04     | 3          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00     | C46             |
| Connective and soft tissue   | 337       | 0.8       | 3.1                      | <b>2.6</b>   | 0.15                | 0.25     | 265        | 0.6       | 2.5                      | <b>1.9</b>   | 0.11                | 0.19     | C47+C49         |
| Breast                       | 93        | 0.2       | 0.9                      | <b>0.7</b>   | 0.03                | 0.08     | 13181      | 31.3      | 124.6                    | <b>86.8</b>  | 6.12                | 10.14    | C50             |
| Vulva                        |           |           |                          |              |                     |          | 233        | 0.6       | 2.2                      | <b>1.3</b>   | 0.08                | 0.14     | C51             |
| Vagina                       |           |           |                          |              |                     |          | 62         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04     | C52             |
| Cervix uteri                 |           |           |                          |              |                     |          | 721        | 1.7       | 6.8                      | <b>5.3</b>   | 0.43                | 0.51     | C53             |
| Corpus uteri                 |           |           |                          |              |                     |          | 2152       | 5.1       | 20.3                     | <b>14.2</b>  | 1.04                | 1.72     | C54             |
| Uterus unspecified           |           |           |                          |              |                     |          | 52         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.02     | C55             |
| Ovary                        |           |           |                          |              |                     |          | 1508       | 3.6       | 14.3                     | <b>9.8</b>   | 0.65                | 1.13     | C56             |
| Other female genital organs  |           |           |                          |              |                     |          | 80         | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06     | C57             |
| Placenta                     |           |           |                          |              |                     |          | 9          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     | C58             |
| Penis                        | 57        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04     |            |           |                          |              |                     |          | C60             |
| Prostate                     | 13723     | 31.0      | 127.9                    | <b>103.0</b> | 5.40                | 14.09    |            |           |                          |              |                     |          | C61             |
| Testis                       | 677       | 1.5       | 6.3                      | <b>5.5</b>   | 0.42                | 0.42     |            |           |                          |              |                     |          | C62             |
| Other male genital organs    | 19        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01     |            |           |                          |              |                     |          | C63             |
| Kidney                       | 1595      | 3.6       | 14.9                     | <b>11.7</b>  | 0.67                | 1.45     | 904        | 2.1       | 8.5                      | <b>5.7</b>   | 0.34                | 0.65     | C64             |
| Renal pelvis                 | 67        | 0.2       | 0.6                      | <b>0.5</b>   | 0.02                | 0.06     | 61         | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.04     | C65             |
| Ureter                       | 50        | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                | 0.05     | 44         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03     | C66             |
| Bladder                      | 2810      | 6.4       | 26.2                     | <b>19.4</b>  | 0.75                | 2.30     | 896        | 2.1       | 8.5                      | <b>5.0</b>   | 0.22                | 0.59     | C67             |
| Other urinary organs         | 21        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01     | 7          | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.01     | C68             |
| Eye                          | 93        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08     | 105        | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                | 0.08     | C69             |
| Brain, nervous system        | 771       | 1.7       | 7.2                      | <b>6.2</b>   | 0.38                | 0.60     | 639        | 1.5       | 6.0                      | <b>4.9</b>   | 0.30                | 0.46     | C70-72          |
| Thyroid                      | 580       | 1.3       | 5.4                      | <b>4.3</b>   | 0.30                | 0.47     | 1733       | 4.1       | 16.4                     | <b>13.2</b>  | 1.04                | 1.25     | C73             |
| Adrenal gland                | 35        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03     | 29         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02     | C74             |
| Other endocrine              | 19        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01     | 9          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01     | C75             |
| Hodgkin lymphoma             | 316       | 0.7       | 2.9                      | <b>2.7</b>   | 0.19                | 0.23     | 260        | 0.6       | 2.5                      | <b>2.2</b>   | 0.14                | 0.18     | C81             |
| Non-Hodgkin lymphoma         | 1968      | 4.4       | 18.3                     | <b>14.3</b>  | 0.77                | 1.59     | 1689       | 4.0       | 16.0                     | <b>10.6</b>  | 0.59                | 1.19     | C82-85,C96      |
| Immunoproliferative diseases | 40        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03     | 37         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03     | C88             |
| Multiple myeloma             | 568       | 1.3       | 5.3                      | <b>3.9</b>   | 0.17                | 0.47     | 398        | 0.9       | 3.8                      | <b>2.2</b>   | 0.11                | 0.27     | C90             |
| Lymphoid leukaemia           | 819       | 1.9       | 7.6                      | <b>6.7</b>   | 0.33                | 0.63     | 528        | 1.3       | 5.0                      | <b>3.7</b>   | 0.18                | 0.36     | C91             |
| Myeloid leukaemia            | 553       | 1.2       | 5.2                      | <b>4.0</b>   | 0.19                | 0.38     | 477        | 1.1       | 4.5                      | <b>3.0</b>   | 0.16                | 0.31     | C92-94          |
| Leukaemia unspecified        | 48        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03     | 41         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02     | C95             |
| Myeloproliferative disorders | 265       | 0.6       | 2.5                      | <b>1.9</b>   | 0.09                | 0.22     | 225        | 0.5       | 2.1                      | <b>1.4</b>   | 0.07                | 0.16     | MPD             |
| Myelodysplastic syndromes    | 386       | 0.9       | 3.6                      | <b>2.5</b>   | 0.05                | 0.23     | 306        | 0.7       | 2.9                      | <b>1.5</b>   | 0.05                | 0.16     | MDS             |
| Other and unspecified        | 924       | 2.1       | 8.6                      | <b>6.3</b>   | 0.30                | 0.65     | 1153       | 2.7       | 10.9                     | <b>6.0</b>   | 0.24                | 0.63     | O&U             |
| All sites                    | 44373     |           | 413.7                    | <b>323.9</b> | 16.66               | 39.20    | 42219      |           | 399.2                    | <b>268.9</b> | 16.53               | 30.46    | C00-96          |
| All sites except C44         | 44240     | 100.0     | 412.5                    | <b>323.0</b> | 16.62               | 39.11    | 42089      | 100.0     | 397.9                    | <b>268.1</b> | 16.48               | 30.39    | C00-96 exc. C44 |

§Includes 3 cases of unknown age

# USA, Connecticut

## REGISTRATION AREA

The Connecticut Tumor Registry (CTR) covers the entire state of Connecticut in the USA, which has an area of approximately 14 400 km<sup>2</sup> and a total population of about 3.6 million, making Connecticut the fourth most densely populated state in the country.

## REGISTRY STRUCTURE AND METHODS

The CTR is the oldest population-based registry in the USA, containing records on all reported tumours diagnosed in Connecticut residents since 1935. The registry has attained national and international prominence in the study of cancer epidemiology, and has been a member of the SEER Program since 1973. Before 1973, the CTR was a participant in the End Results Program sponsored by the National Cancer Institute. The CTR has collected data on about 718 000 cancer cases diagnosed since 1973. Of these, approximately 248 000 cases are coded as "alive" and are under active follow-up (excluding in situ cervical cancers). Data on the more than 204 000 tumours diagnosed from 1935 to 1972 are part of the CTR's historical files from the pre-SEER era. Reporting of cancer cases to the CTR by all licensed medical providers is mandated by state statute. The CTR receives approximately 90% of its case reports from Connecticut hospitals and private laboratories. Other reports are received from independent ambulatory surgery, radiation, and infusion therapy centres. The CTR also has reciprocal reporting agreements with all contiguous states, as well as southern states recognized as typical winter holiday destinations for Connecticut residents (such as Florida).

## INTERPRETING THE RESULTS

Cancer screening rates are relatively high in Connecticut compared with other states. In 2012, only about 20% of Connecticut women aged 18 years or more reported not having had a Pap test in the previous 3 years, and only 18.5% of women aged 50 years or more had not received a mammogram in the previous 2 years. In 2012, 74.5% of Connecticut adults reported that

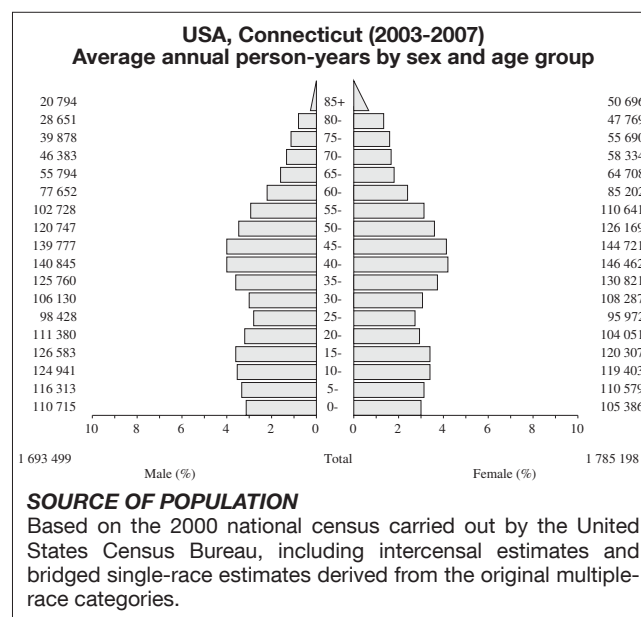
they had undergone sigmoidoscopy or colonoscopy at least once (at any time in the past), and 16.4% reported having had a faecal occult blood test in the previous 2 years.

## USE OF THE DATA

CTR data are used by a wide variety of researchers for studies aimed at reducing cancer incidence and severity, improving the quality of cancer care, and investigating treatment cost containment. The data are also used for public health assessments that identify specific population groups within Connecticut in which screening and treatment improvements are most needed, and in the development of policy initiatives to reduce the burden of cancer throughout the state.

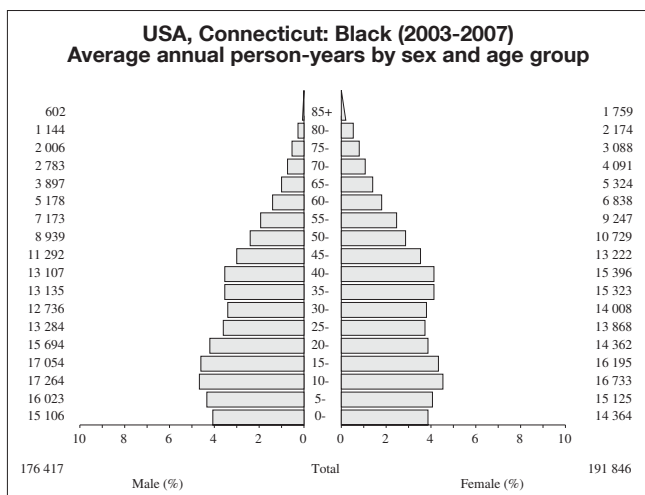
## CONTRIBUTORS

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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

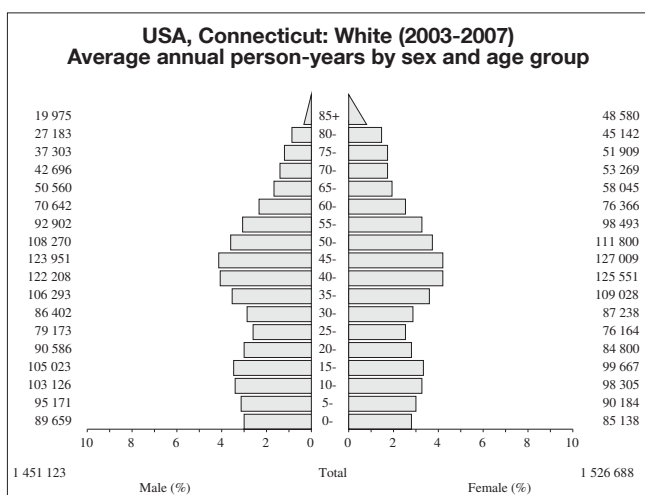
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 112.9 | Breast                     | 94.4  |
| Trachea, bronchus and lung | 49.0  | Trachea, bronchus and lung | 38.3  |
| Bladder                    | 25.8  | Corpus uteri               | 20.7  |
| Colon                      | 23.8  | Colon                      | 18.9  |
| Melanoma of skin           | 19.2  | Thyroid                    | 17.7  |
| Non-Hodgkin lymphoma       | 16.9  | Melanoma of skin           | 14.6  |
| Kidney                     | 13.2  | Non-Hodgkin lymphoma       | 12.1  |
| Rectum                     | 11.9  | Ovary                      | 9.6   |
| Pancreas                   | 9.7   | Bladder                    | 7.5   |
| Stomach                    | 7.6   | Rectum                     | 7.3   |
| All sites                  | 385.1 | All sites                  | 311.9 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CONNECTICUT: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 164.7 | Breast                     | 77.4  |
| Trachea, bronchus and lung | 58.0  | Trachea, bronchus and lung | 30.1  |
| Colon                      | 27.0  | Colon                      | 23.2  |
| Non-Hodgkin lymphoma       | 14.9  | Corpus uteri               | 18.1  |
| Kidney                     | 14.4  | Non-Hodgkin lymphoma       | 9.7   |
| Pancreas                   | 14.1  | Rectum                     | 9.2   |
| Stomach                    | 13.0  | Pancreas                   | 9.1   |
| Bladder                    | 11.6  | Thyroid                    | 8.1   |
| Rectum                     | 11.0  | Cervix uteri               | 7.1   |
| Liver                      | 10.9  | Ovary                      | 6.8   |
| All sites                  | 427.2 | All sites                  | 267.5 |



NOTES ON THE DATA: \*No official mortality data.

**USA, CONNECTICUT: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.1 | Breast                     | 96.5  |
| Trachea, bronchus and lung | 48.8  | Trachea, bronchus and lung | 39.3  |
| Bladder                    | 27.0  | Corpus uteri               | 21.1  |
| Colon                      | 23.5  | Thyroid                    | 18.7  |
| Melanoma of skin           | 20.6  | Colon                      | 18.7  |
| Non-Hodgkin lymphoma       | 17.0  | Melanoma of skin           | 16.1  |
| Kidney                     | 13.2  | Non-Hodgkin lymphoma       | 12.4  |
| Rectum                     | 12.0  | Ovary                      | 9.8   |
| Pancreas                   | 9.5   | Bladder                    | 7.8   |
| Stomach                    | 7.2   | Rectum                     | 7.0   |
| All sites                  | 383.5 | All sites                  | 317.8 |



## USA, Connecticut (2003-2007)

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 39        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 19        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00   | 0.01                | C00                 |
| Tongue                       | 407       | 0.8       | 4.8                      | <b>3.4</b>   | 0.25                | 0.43                | 196       | 0.4       | 2.2                      | <b>1.3</b>   | 0.08   | 0.15                | C01-02              |
| Mouth                        | 259       | 0.5       | 3.1                      | <b>2.1</b>   | 0.13                | 0.26                | 178       | 0.4       | 2.0                      | <b>1.0</b>   | 0.05   | 0.12                | C03-06              |
| Salivary glands              | 143       | 0.3       | 1.7                      | <b>1.1</b>   | 0.07                | 0.11                | 102       | 0.2       | 1.1                      | <b>0.7</b>   | 0.05   | 0.06                | C07-08              |
| Tonsil                       | 271       | 0.6       | 3.2                      | <b>2.3</b>   | 0.19                | 0.28                | 55        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03   | 0.05                | C09                 |
| Other oropharynx             | 55        | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05                | 12        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C10                 |
| Nasopharynx                  | 63        | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                | 0.07                | 26        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02   | 0.02                | C11                 |
| Hypopharynx                  | 128       | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                | 0.14                | 39        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01   | 0.04                | C12-13              |
| Pharynx unspecified          | 21        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 7         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.01                | C14                 |
| Oesophagus                   | 818       | 1.7       | 9.7                      | <b>6.3</b>   | 0.33                | 0.81                | 269       | 0.6       | 3.0                      | <b>1.5</b>   | 0.07   | 0.17                | C15                 |
| Stomach                      | 1039      | 2.1       | 12.3                     | <b>7.6</b>   | 0.36                | 0.88                | 613       | 1.3       | 6.9                      | <b>3.3</b>   | 0.16   | 0.36                | C16                 |
| Small intestine              | 209       | 0.4       | 2.5                      | <b>1.7</b>   | 0.09                | 0.20                | 187       | 0.4       | 2.1                      | <b>1.1</b>   | 0.07   | 0.12                | C17                 |
| Colon                        | 3262      | 6.7       | 38.5                     | <b>23.8</b>  | 1.08                | 2.71                | 3705      | 7.8       | 41.5                     | <b>18.9</b>  | 0.83   | 2.13                | C18                 |
| Rectum                       | 1548      | 3.2       | 18.3                     | <b>11.9</b>  | 0.68                | 1.39                | 1217      | 2.5       | 13.6                     | <b>7.3</b>   | 0.43   | 0.84                | C19-20              |
| Anus                         | 114       | 0.2       | 1.3                      | <b>0.9</b>   | 0.05                | 0.10                | 174       | 0.4       | 1.9                      | <b>1.2</b>   | 0.09   | 0.12                | C21                 |
| Liver                        | 873       | 1.8       | 10.3                     | <b>6.9</b>   | 0.44                | 0.82                | 301       | 0.6       | 3.4                      | <b>1.9</b>   | 0.10   | 0.21                | C22                 |
| Gallbladder etc.             | 253       | 0.5       | 3.0                      | <b>1.8</b>   | 0.07                | 0.21                | 316       | 0.7       | 3.5                      | <b>1.6</b>   | 0.07   | 0.19                | C23-24              |
| Pancreas                     | 1302      | 2.7       | 15.4                     | <b>9.7</b>   | 0.46                | 1.16                | 1327      | 2.8       | 14.9                     | <b>6.9</b>   | 0.29   | 0.81                | C25                 |
| Nose, sinuses etc.           | 65        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | 60        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02   | 0.04                | C30-31              |
| Larynx                       | 569       | 1.2       | 6.7                      | <b>4.6</b>   | 0.27                | 0.58                | 148       | 0.3       | 1.7                      | <b>1.0</b>   | 0.05   | 0.13                | C32                 |
| Trachea, bronchus and lung   | 6576      | 13.5      | 77.7                     | <b>49.0</b>  | 2.10                | 6.13                | 6473      | 13.5      | 72.5                     | <b>38.3</b>  | 1.89   | 4.89                | C33-34              |
| Other thoracic organs        | 73        | 0.1       | 0.9                      | <b>0.7</b>   | 0.05                | 0.07                | 49        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03   | 0.04                | C37-38              |
| Bone                         | 115       | 0.2       | 1.4                      | <b>1.2</b>   | 0.07                | 0.10                | 96        | 0.2       | 1.1                      | <b>1.0</b>   | 0.06   | 0.08                | C40-41              |
| Melanoma of skin             | 2418      | 5.0       | 28.6                     | <b>19.2</b>  | 1.15                | 2.14                | 1948      | 4.1       | 21.8                     | <b>14.6</b>  | 1.02   | 1.53                | C43                 |
| Other skin                   | 150       | 0.3       | 1.8                      | <b>1.1</b>   | 0.06                | 0.10                | 142       | 0.3       | 1.6                      | <b>0.9</b>   | 0.05   | 0.08                | C44                 |
| Mesothelioma                 | 160       | 0.3       | 1.9                      | <b>1.1</b>   | 0.04                | 0.13                | 60        | 0.1       | 0.7                      | <b>0.3</b>   | 0.02   | 0.03                | C45                 |
| Kaposi sarcoma               | 61        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                | 0.05                | 15        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 366       | 0.8       | 4.3                      | <b>3.2</b>   | 0.19                | 0.29                | 301       | 0.6       | 3.4                      | <b>2.2</b>   | 0.14   | 0.21                | C47+C49             |
| Breast                       | 136       | 0.3       | 1.6                      | <b>1.1</b>   | 0.05                | 0.13                | 13650     | 28.6      | 152.9                    | <b>94.4</b>  | 6.65   | 10.82               | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 287       | 0.6       | 3.2                      | <b>1.5</b>   | 0.08   | 0.15                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 80        | 0.2       | 0.9                      | <b>0.4</b>   | 0.02   | 0.05                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 637       | 1.3       | 7.1                      | <b>5.3</b>   | 0.40   | 0.54                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 2924      | 6.1       | 32.8                     | <b>20.7</b>  | 1.46   | 2.57                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 70        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03   | 0.05                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 1446      | 3.0       | 16.2                     | <b>9.6</b>   | 0.65   | 1.12                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 60        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03   | 0.05                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 9         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C58                 |
| Penis                        | 66        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                | 0.05                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 13884     | 28.5      | 164.0                    | <b>112.9</b> | 5.99                | 15.39               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 511       | 1.0       | 6.0                      | <b>5.8</b>   | 0.43                | 0.44                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 20        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 1620      | 3.3       | 19.1                     | <b>13.2</b>  | 0.84                | 1.55                | 1023      | 2.1       | 11.5                     | <b>6.8</b>   | 0.42   | 0.80                | C64                 |
| Renal pelvis                 | 83        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                | 0.06                | 79        | 0.2       | 0.9                      | <b>0.4</b>   | 0.02   | 0.04                | C65                 |
| Ureter                       | 73        | 0.1       | 0.9                      | <b>0.5</b>   | 0.02                | 0.06                | 53        | 0.1       | 0.6                      | <b>0.2</b>   | 0.01   | 0.03                | C66                 |
| Bladder                      | 3651      | 7.5       | 43.1                     | <b>25.8</b>  | 1.04                | 3.01                | 1382      | 2.9       | 15.5                     | <b>7.5</b>   | 0.36   | 0.89                | C67                 |
| Other urinary organs         | 44        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 24        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C68                 |
| Eye                          | 77        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.07                | 73        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03   | 0.06                | C69                 |
| Brain, nervous system        | 684       | 1.4       | 8.1                      | <b>6.6</b>   | 0.41                | 0.64                | 615       | 1.3       | 6.9                      | <b>5.0</b>   | 0.30   | 0.48                | C70-72              |
| Thyroid                      | 632       | 1.3       | 7.5                      | <b>5.8</b>   | 0.44                | 0.60                | 2021      | 4.2       | 22.6                     | <b>17.7</b>  | 1.39   | 1.73                | C73                 |
| Adrenal gland                | 25        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | 24        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74                 |
| Other endocrine              | 18        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 4         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C75                 |
| Hodgkin lymphoma             | 333       | 0.7       | 3.9                      | <b>3.5</b>   | 0.24                | 0.29                | 291       | 0.6       | 3.3                      | <b>3.0</b>   | 0.20   | 0.23                | C81                 |
| Non-Hodgkin lymphoma         | 2164      | 4.4       | 25.6                     | <b>16.9</b>  | 0.93                | 1.84                | 1968      | 4.1       | 22.0                     | <b>12.1</b>  | 0.68   | 1.35                | C82-85,C96          |
| Immunoproliferative diseases | 55        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | 38        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.03                | C88                 |
| Multiple myeloma             | 588       | 1.2       | 6.9                      | <b>4.3</b>   | 0.22                | 0.49                | 517       | 1.1       | 5.8                      | <b>2.8</b>   | 0.14   | 0.34                | C90                 |
| Lymphoid leukaemia           | 689       | 1.4       | 8.1                      | <b>6.3</b>   | 0.33                | 0.61                | 446       | 0.9       | 5.0                      | <b>3.5</b>   | 0.19   | 0.29                | C91                 |
| Myeloid leukaemia            | 527       | 1.1       | 6.2                      | <b>4.2</b>   | 0.20                | 0.42                | 426       | 0.9       | 4.8                      | <b>2.9</b>   | 0.16   | 0.28                | C92-94              |
| Leukaemia unspecified        | 62        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                | 0.04                | 71        | 0.1       | 0.8                      | <b>0.3</b>   | 0.01   | 0.03                | C95                 |
| Myeloproliferative disorders | 215       | 0.4       | 2.5                      | <b>1.6</b>   | 0.07                | 0.18                | 181       | 0.4       | 2.0                      | <b>1.1</b>   | 0.06   | 0.11                | MPD                 |
| Myelodysplastic syndromes    | 417       | 0.9       | 4.9                      | <b>2.8</b>   | 0.10                | 0.28                | 348       | 0.7       | 3.9                      | <b>1.6</b>   | 0.06   | 0.17                | MDS                 |
| Other and unspecified        | 985       | 2.0       | 11.6                     | <b>7.2</b>   | 0.35                | 0.80                | 1155      | 2.4       | 12.9                     | <b>5.7</b>   | 0.25   | 0.61                | O&U                 |
| All sites                    | 48916     |           | 577.7                    | <b>385.1</b> | 20.17               | 46.37               | 47937     |           | 537.0                    | <b>311.9</b> | 19.32  | 35.32               | C00-96              |
| All sites except C44         | 48766     | 100.0     | 575.9                    | <b>384.0</b> | 20.11               | 46.26               | 47795     | 100.0     | 535.5                    | <b>311.0</b> | 19.27  | 35.24               | C00-96 exc. C44     |

**\*USA, Connecticut: Black (2003-2007)**

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 26        | 0.8       | 2.9                      | <b>3.4</b>   | 0.20                | 0.55                | 9         | 0.3       | 0.9                      | <b>0.9</b>   | 0.05                | 0.12                | C01-02          |
| Mouth                        | 22        | 0.7       | 2.5                      | <b>2.9</b>   | 0.22                | 0.40                | 15        | 0.5       | 1.6                      | <b>1.3</b>   | 0.06                | 0.14                | C03-06          |
| Salivary glands              | 8         | 0.2       | 0.9                      | <b>0.9</b>   | 0.08                | 0.11                | 10        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07                | 0.07                | C07-08          |
| Tonsil                       | 28        | 0.8       | 3.2                      | <b>3.5</b>   | 0.28                | 0.46                | 6         | 0.2       | 0.6                      | <b>0.6</b>   | 0.06                | 0.06                | C09             |
| Other oropharynx             | 15        | 0.4       | 1.7                      | <b>1.9</b>   | 0.15                | 0.24                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 7         | 0.2       | 0.8                      | <b>0.9</b>   | 0.04                | 0.14                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C11             |
| Hypopharynx                  | 19        | 0.6       | 2.2                      | <b>2.5</b>   | 0.11                | 0.28                | 3         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.06                | C12-13          |
| Pharynx unspecified          | 2         | 0.1       | 0.2                      | <b>0.3</b>   | 0.02                | 0.06                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.02                | C14             |
| Oesophagus                   | 63        | 1.9       | 7.1                      | <b>8.2</b>   | 0.51                | 1.15                | 21        | 0.7       | 2.2                      | <b>2.0</b>   | 0.13                | 0.23                | C15             |
| Stomach                      | 105       | 3.1       | 11.9                     | <b>13.0</b>  | 0.66                | 1.44                | 69        | 2.3       | 7.2                      | <b>5.9</b>   | 0.30                | 0.69                | C16             |
| Small intestine              | 12        | 0.4       | 1.4                      | <b>1.5</b>   | 0.09                | 0.21                | 26        | 0.9       | 2.7                      | <b>2.3</b>   | 0.13                | 0.26                | C17             |
| Colon                        | 215       | 6.4       | 24.4                     | <b>27.0</b>  | 1.17                | 3.45                | 272       | 9.1       | 28.4                     | <b>23.2</b>  | 1.17                | 2.72                | C18             |
| Rectum                       | 92        | 2.7       | 10.4                     | <b>11.0</b>  | 0.61                | 1.30                | 100       | 3.3       | 10.4                     | <b>9.2</b>   | 0.62                | 1.15                | C19-20          |
| Anus                         | 12        | 0.4       | 1.4                      | <b>1.4</b>   | 0.06                | 0.15                | 16        | 0.5       | 1.7                      | <b>1.2</b>   | 0.08                | 0.11                | C21             |
| Liver                        | 92        | 2.7       | 10.4                     | <b>10.9</b>  | 0.92                | 1.28                | 38        | 1.3       | 4.0                      | <b>3.3</b>   | 0.21                | 0.41                | C22             |
| Gallbladder etc.             | 11        | 0.3       | 1.2                      | <b>1.4</b>   | 0.02                | 0.19                | 17        | 0.6       | 1.8                      | <b>1.5</b>   | 0.09                | 0.16                | C23-24          |
| Pancreas                     | 111       | 3.3       | 12.6                     | <b>14.1</b>  | 0.69                | 1.73                | 105       | 3.5       | 10.9                     | <b>9.1</b>   | 0.38                | 1.18                | C25             |
| Nose, sinuses etc.           | 4         | 0.1       | 0.5                      | <b>0.5</b>   | 0.01                | 0.11                | 5         | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                | 0.02                | C30-31          |
| Larynx                       | 55        | 1.6       | 6.2                      | <b>7.2</b>   | 0.52                | 0.91                | 16        | 0.5       | 1.7                      | <b>1.5</b>   | 0.09                | 0.19                | C32             |
| Trachea, bronchus and lung   | 451       | 13.4      | 51.1                     | <b>58.0</b>  | 3.09                | 7.43                | 328       | 11.0      | 34.2                     | <b>30.1</b>  | 1.75                | 3.84                | C33-34          |
| Other thoracic organs        | 5         | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                | 0.04                | 5         | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                | 0.04                | C37-38          |
| Bone                         | 10        | 0.3       | 1.1                      | <b>1.1</b>   | 0.06                | 0.11                | 6         | 0.2       | 0.6                      | <b>0.7</b>   | 0.04                | 0.04                | C40-41          |
| Melanoma of skin             | 10        | 0.3       | 1.1                      | <b>1.3</b>   | 0.06                | 0.19                | 10        | 0.3       | 1.0                      | <b>0.8</b>   | 0.05                | 0.09                | C43             |
| Other skin                   | 13        | 0.4       | 1.5                      | <b>1.4</b>   | 0.08                | 0.14                | 7         | 0.2       | 0.7                      | <b>0.6</b>   | 0.05                | 0.05                | C44             |
| Mesothelioma                 | 3         | 0.1       | 0.3                      | <b>0.4</b>   | 0.00                | 0.10                | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.03                | 0.03                | C45             |
| Kaposi sarcoma               | 14        | 0.4       | 1.6                      | <b>1.5</b>   | 0.12                | 0.14                | 3         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.01                | C46             |
| Connective and soft tissue   | 22        | 0.7       | 2.5                      | <b>2.4</b>   | 0.17                | 0.22                | 33        | 1.1       | 3.4                      | <b>3.0</b>   | 0.21                | 0.29                | C47+C49         |
| Breast                       | 7         | 0.2       | 0.8                      | <b>0.9</b>   | 0.06                | 0.11                | 875       | 29.3      | 91.2                     | <b>77.4</b>  | 5.41                | 8.79                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 17        | 0.6       | 1.8                      | <b>1.4</b>   | 0.11                | 0.11                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 9         | 0.3       | 0.9                      | <b>0.8</b>   | 0.05                | 0.09                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 81        | 2.7       | 8.4                      | <b>7.1</b>   | 0.48                | 0.82                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 184       | 6.2       | 19.2                     | <b>18.1</b>  | 1.23                | 2.47                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 15        | 0.5       | 1.6                      | <b>1.5</b>   | 0.07                | 0.22                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 75        | 2.5       | 7.8                      | <b>6.8</b>   | 0.40                | 0.72                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 5         | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 1247      | 37.2      | 141.4                    | <b>164.7</b> | 9.61                | 22.90               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 14        | 0.4       | 1.6                      | <b>1.5</b>   | 0.10                | 0.14                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 3         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.04                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 118       | 3.5       | 13.4                     | <b>14.4</b>  | 1.04                | 1.74                | 67        | 2.2       | 7.0                      | <b>5.7</b>   | 0.36                | 0.59                | C64             |
| Renal pelvis                 | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C66             |
| Bladder                      | 90        | 2.7       | 10.2                     | <b>11.6</b>  | 0.48                | 1.53                | 60        | 2.0       | 6.3                      | <b>4.9</b>   | 0.16                | 0.54                | C67             |
| Other urinary organs         | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.03                | C68             |
| Eye                          | 3         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.04                | 2         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.01                | C69             |
| Brain, nervous system        | 27        | 0.8       | 3.1                      | <b>3.1</b>   | 0.23                | 0.23                | 24        | 0.8       | 2.5                      | <b>2.4</b>   | 0.15                | 0.21                | C70-72          |
| Thyroid                      | 30        | 0.9       | 3.4                      | <b>3.4</b>   | 0.30                | 0.35                | 90        | 3.0       | 9.4                      | <b>8.1</b>   | 0.62                | 0.85                | C73             |
| Adrenal gland                | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 3         | 0.1       | 0.3                      | <b>0.5</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 32        | 1.0       | 3.6                      | <b>3.5</b>   | 0.26                | 0.32                | 32        | 1.1       | 3.3                      | <b>3.0</b>   | 0.20                | 0.24                | C81             |
| Non-Hodgkin lymphoma         | 129       | 3.8       | 14.6                     | <b>14.9</b>  | 1.11                | 1.62                | 111       | 3.7       | 11.6                     | <b>9.7</b>   | 0.63                | 1.09                | C82-85,C96      |
| Immunoproliferative diseases | 3         | 0.1       | 0.3                      | <b>0.3</b>   | 0.03                | 0.03                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C88             |
| Multiple myeloma             | 74        | 2.2       | 8.4                      | <b>9.3</b>   | 0.57                | 1.09                | 65        | 2.2       | 6.8                      | <b>6.0</b>   | 0.31                | 0.82                | C90             |
| Lymphoid leukaemia           | 33        | 1.0       | 3.7                      | <b>4.0</b>   | 0.20                | 0.47                | 25        | 0.8       | 2.6                      | <b>2.2</b>   | 0.11                | 0.21                | C91             |
| Myeloid leukaemia            | 32        | 1.0       | 3.6                      | <b>3.7</b>   | 0.22                | 0.29                | 25        | 0.8       | 2.6                      | <b>2.1</b>   | 0.11                | 0.23                | C92-94          |
| Leukaemia unspecified        | 6         | 0.2       | 0.7                      | <b>0.7</b>   | 0.02                | 0.09                | 4         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                | 0.06                | C95             |
| Myeloproliferative disorders | 5         | 0.1       | 0.6                      | <b>0.6</b>   | 0.02                | 0.08                | 4         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03                | MPD             |
| Myelodysplastic syndromes    | 23        | 0.7       | 2.6                      | <b>2.6</b>   | 0.18                | 0.22                | 18        | 0.6       | 1.9                      | <b>1.6</b>   | 0.07                | 0.18                | MDS             |
| Other and unspecified        | 57        | 1.7       | 6.5                      | <b>7.2</b>   | 0.46                | 0.90                | 75        | 2.5       | 7.8                      | <b>6.0</b>   | 0.23                | 0.58                | O&U             |
| All sites                    | 3367      |           | 381.7                    | <b>427.2</b> | 24.95               | 54.78               | 2997      |           | 312.4                    | <b>267.5</b> | 16.49               | 31.04               | C00-96          |
| All sites except C44         | 3354      | 100.0     | 380.2                    | <b>425.9</b> | 24.86               | 54.63               | 2990      | 100.0     | 311.7                    | <b>266.9</b> | 16.44               | 30.99               | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, Connecticut: White (2003-2007)**

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 38        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | 18        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C00             |
| Tongue                       | 372       | 0.8       | 5.1                      | <b>3.4</b>   | 0.26                | 0.42                | 184       | 0.4       | 2.4                      | <b>1.3</b>   | 0.08                | 0.16                | C01-02          |
| Mouth                        | 225       | 0.5       | 3.1                      | <b>2.0</b>   | 0.12                | 0.24                | 156       | 0.4       | 2.0                      | <b>1.0</b>   | 0.05                | 0.11                | C03-06          |
| Salivary glands              | 128       | 0.3       | 1.8                      | <b>1.1</b>   | 0.06                | 0.11                | 88        | 0.2       | 1.2                      | <b>0.6</b>   | 0.04                | 0.06                | C07-08          |
| Tonsil                       | 240       | 0.5       | 3.3                      | <b>2.3</b>   | 0.19                | 0.27                | 48        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04                | C09             |
| Other oropharynx             | 39        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | 11        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 48        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | 24        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C11             |
| Hypopharynx                  | 109       | 0.2       | 1.5                      | <b>1.0</b>   | 0.06                | 0.13                | 35        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.04                | C12-13          |
| Pharynx unspecified          | 19        | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 6         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 748       | 1.7       | 10.3                     | <b>6.3</b>   | 0.32                | 0.80                | 246       | 0.6       | 3.2                      | <b>1.4</b>   | 0.06                | 0.17                | C15             |
| Stomach                      | 906       | 2.0       | 12.5                     | <b>7.2</b>   | 0.33                | 0.83                | 532       | 1.2       | 7.0                      | <b>3.1</b>   | 0.14                | 0.33                | C16             |
| Small intestine              | 196       | 0.4       | 2.7                      | <b>1.7</b>   | 0.10                | 0.21                | 161       | 0.4       | 2.1                      | <b>1.0</b>   | 0.06                | 0.11                | C17             |
| Colon                        | 2988      | 6.7       | 41.2                     | <b>23.5</b>  | 1.07                | 2.66                | 3385      | 7.7       | 44.3                     | <b>18.7</b>  | 0.81                | 2.09                | C18             |
| Rectum                       | 1424      | 3.2       | 19.6                     | <b>12.0</b>  | 0.68                | 1.40                | 1083      | 2.5       | 14.2                     | <b>7.0</b>   | 0.41                | 0.80                | C19-20          |
| Anus                         | 102       | 0.2       | 1.4                      | <b>0.9</b>   | 0.05                | 0.10                | 157       | 0.4       | 2.1                      | <b>1.2</b>   | 0.09                | 0.13                | C21             |
| Liver                        | 741       | 1.7       | 10.2                     | <b>6.4</b>   | 0.39                | 0.75                | 246       | 0.6       | 3.2                      | <b>1.6</b>   | 0.08                | 0.18                | C22             |
| Gallbladder etc.             | 236       | 0.5       | 3.3                      | <b>1.8</b>   | 0.07                | 0.21                | 292       | 0.7       | 3.8                      | <b>1.6</b>   | 0.07                | 0.19                | C23-24          |
| Pancreas                     | 1179      | 2.7       | 16.2                     | <b>9.5</b>   | 0.44                | 1.13                | 1203      | 2.7       | 15.8                     | <b>6.7</b>   | 0.29                | 0.77                | C25             |
| Nose, sinuses etc.           | 59        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | 53        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 509       | 1.1       | 7.0                      | <b>4.5</b>   | 0.25                | 0.57                | 130       | 0.3       | 1.7                      | <b>1.0</b>   | 0.05                | 0.13                | C32             |
| Trachea, bronchus and lung   | 6049      | 13.6      | 83.4                     | <b>48.8</b>  | 2.05                | 6.11                | 6084      | 13.9      | 79.7                     | <b>39.3</b>  | 1.93                | 5.02                | C33-34          |
| Other thoracic organs        | 66        | 0.1       | 0.9                      | <b>0.7</b>   | 0.05                | 0.07                | 43        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04                | C37-38          |
| Bone                         | 103       | 0.2       | 1.4                      | <b>1.2</b>   | 0.08                | 0.10                | 85        | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                | 0.09                | C40-41          |
| Melanoma of skin             | 2344      | 5.3       | 32.3                     | <b>20.6</b>  | 1.24                | 2.29                | 1883      | 4.3       | 24.7                     | <b>16.1</b>  | 1.13                | 1.68                | C43             |
| Other skin                   | 133       | 0.3       | 1.8                      | <b>1.1</b>   | 0.05                | 0.10                | 131       | 0.3       | 1.7                      | <b>0.9</b>   | 0.05                | 0.08                | C44             |
| Mesothelioma                 | 156       | 0.4       | 2.2                      | <b>1.2</b>   | 0.04                | 0.14                | 56        | 0.1       | 0.7                      | <b>0.3</b>   | 0.02                | 0.03                | C45             |
| Kaposi sarcoma               | 45        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04                | 12        | 0.0       | 0.2                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 335       | 0.8       | 4.6                      | <b>3.2</b>   | 0.19                | 0.30                | 264       | 0.6       | 3.5                      | <b>2.2</b>   | 0.14                | 0.21                | C47+C49         |
| Breast                       | 129       | 0.3       | 1.8                      | <b>1.1</b>   | 0.05                | 0.13                | 12502     | 28.5      | 163.8                    | <b>96.5</b>  | 6.81                | 11.06               | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 267       | 0.6       | 3.5                      | <b>1.5</b>   | 0.08                | 0.16                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 69        | 0.2       | 0.9                      | <b>0.4</b>   | 0.02                | 0.04                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 532       | 1.2       | 7.0                      | <b>5.2</b>   | 0.40                | 0.51                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 2692      | 6.1       | 35.3                     | <b>21.1</b>  | 1.50                | 2.61                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 53        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                | 0.04                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 1339      | 3.0       | 17.5                     | <b>9.8</b>   | 0.68                | 1.15                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 55        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                | 0.05                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 61        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                | 0.05                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 12351     | 27.8      | 170.2                    | <b>109.1</b> | 5.72                | 14.86               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 479       | 1.1       | 6.6                      | <b>6.5</b>   | 0.48                | 0.49                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 17        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 1469      | 3.3       | 20.2                     | <b>13.2</b>  | 0.83                | 1.55                | 939       | 2.1       | 12.3                     | <b>7.0</b>   | 0.43                | 0.82                | C64             |
| Renal pelvis                 | 79        | 0.2       | 1.1                      | <b>0.6</b>   | 0.02                | 0.06                | 77        | 0.2       | 1.0                      | <b>0.4</b>   | 0.02                | 0.05                | C65             |
| Ureter                       | 72        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                | 0.07                | 51        | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 3524      | 7.9       | 48.6                     | <b>27.0</b>  | 1.10                | 3.15                | 1306      | 3.0       | 17.1                     | <b>7.8</b>   | 0.39                | 0.94                | C67             |
| Other urinary organs         | 42        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | 20        | 0.0       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01                | C68             |
| Eye                          | 70        | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                | 0.07                | 68        | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                | 0.06                | C69             |
| Brain, nervous system        | 641       | 1.4       | 8.8                      | <b>6.9</b>   | 0.43                | 0.68                | 578       | 1.3       | 7.6                      | <b>5.4</b>   | 0.33                | 0.51                | C70-72          |
| Thyroid                      | 585       | 1.3       | 8.1                      | <b>6.1</b>   | 0.46                | 0.63                | 1853      | 4.2       | 24.3                     | <b>18.7</b>  | 1.48                | 1.82                | C73             |
| Adrenal gland                | 20        | 0.0       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 21        | 0.0       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 16        | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 292       | 0.7       | 4.0                      | <b>3.6</b>   | 0.25                | 0.29                | 255       | 0.6       | 3.3                      | <b>3.1</b>   | 0.21                | 0.24                | C81             |
| Non-Hodgkin lymphoma         | 1988      | 4.5       | 27.4                     | <b>17.0</b>  | 0.92                | 1.85                | 1829      | 4.2       | 24.0                     | <b>12.4</b>  | 0.70                | 1.38                | C82-85,C96      |
| Immunoproliferative diseases | 51        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | 36        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.03                | C88             |
| Multiple myeloma             | 504       | 1.1       | 6.9                      | <b>4.0</b>   | 0.19                | 0.44                | 438       | 1.0       | 5.7                      | <b>2.5</b>   | 0.12                | 0.29                | C90             |
| Lymphoid leukaemia           | 634       | 1.4       | 8.7                      | <b>6.6</b>   | 0.34                | 0.63                | 410       | 0.9       | 5.4                      | <b>3.7</b>   | 0.20                | 0.30                | C91             |
| Myeloid leukaemia            | 485       | 1.1       | 6.7                      | <b>4.3</b>   | 0.21                | 0.43                | 393       | 0.9       | 5.1                      | <b>3.0</b>   | 0.17                | 0.29                | C92-94          |
| Leukaemia unspecified        | 55        | 0.1       | 0.8                      | <b>0.4</b>   | 0.01                | 0.03                | 67        | 0.2       | 0.9                      | <b>0.3</b>   | 0.01                | 0.03                | C95             |
| Myeloproliferative disorders | 205       | 0.5       | 2.8                      | <b>1.7</b>   | 0.07                | 0.18                | 173       | 0.4       | 2.3                      | <b>1.2</b>   | 0.07                | 0.12                | MPD             |
| Myelodysplastic syndromes    | 389       | 0.9       | 5.4                      | <b>2.8</b>   | 0.10                | 0.28                | 324       | 0.7       | 4.2                      | <b>1.6</b>   | 0.06                | 0.16                | MDS             |
| Other and unspecified        | 909       | 2.0       | 12.5                     | <b>7.2</b>   | 0.34                | 0.79                | 1065      | 2.4       | 14.0                     | <b>5.7</b>   | 0.25                | 0.62                | O&U             |
| All sites                    | 44604     |           | 614.8                    | <b>383.5</b> | 19.92               | 45.95               | 44038     |           | 576.9                    | <b>317.8</b> | 19.75               | 35.90               | C00-96          |
| All sites except C44         | 44471     | 100.0     | 612.9                    | <b>382.4</b> | 19.87               | 45.85               | 43907     | 100.0     | 575.2                    | <b>317.0</b> | 19.70               | 35.81               | C00-96 exc. C44 |

\*See note following population pyramid



# USA, Delaware

## REGISTRATION AREA

The Delaware Cancer Registry (DCR) ensures accurate, timely, and routine surveillance of cancer trends among residents of the state of Delaware in the USA. In 2006, the Delaware Population Consortium estimated the state's population at 855 000. At the time of this estimate, slightly more than 75% of the state's residents were White, 21% were Black, and 3% were of other races; 48.5% of residents were male and 51.5% female. Delaware's population is growing and becoming more diverse. It is also ageing: In 1990, about 12.1% of the state's residents were aged 65 years or older; by 2006, about 13.8% of residents were in that age range. This percentage is expected to continue to increase and was expected to exceed 18% by 2012. Delaware's Hispanic population, estimated by the United States Census Bureau in 2004 at slightly more than 48 000, is also growing, and this is an important ethnic group that the state makes a concerted effort to serve.

## REGISTRY STRUCTURE AND METHODS

The DCR was founded in 1972 and legally established in 1980 under the Delaware Cancer Control Act (DCCA). The DCR is a state central cancer registry funded by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR). The DCR is part of the Comprehensive Cancer Control Program within the Chronic Disease Prevention Bureau of the Delaware Division of Public Health's (DPH's) Health Promotion and Disease Prevention Section. The registry works collaboratively with DPH epidemiologists to report incidence and mortality statistics. The DCR has four full-time staff members: two state employees, a management analyst III (the registry manager), and a medical records technician. It also has two contractual employees from ICF International: a quality assurance coordinator/trainer and a project manager. The DCCA requires all providers diagnosing or treating cancer cases (including hospitals, physicians, pathology laboratories, and ambulatory surgery centres) to submit information on each case to the registry within 180 days. The entities currently reporting to the DCR include seven hospitals, 10 diagnostic laboratories, 14 free-standing ambulatory surgery centres, and 80 physicians.

## INTERPRETING THE RESULTS

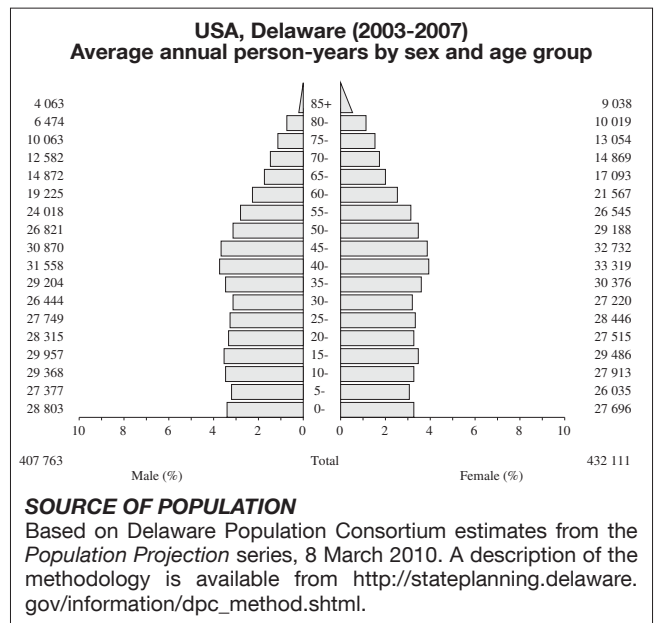
Breast and cervical cancer population screening programmes for women aged 40–64 years (with 100% coverage) began in 1997. Screening for colorectal and prostate cancers for individuals aged 50–64 years began in 2002.

## USE OF THE DATA

The data collected are used for a variety of activities: monitoring trends in cancer incidence and mortality by site, geographical area, and demographic characteristics of the population; guiding planning and evaluation of cancer control programmes; assisting in prioritizing health resource allocation; advancing clinical, epidemiological, and health services research; and evaluating cancer cluster reports.

## CONTRIBUTORS

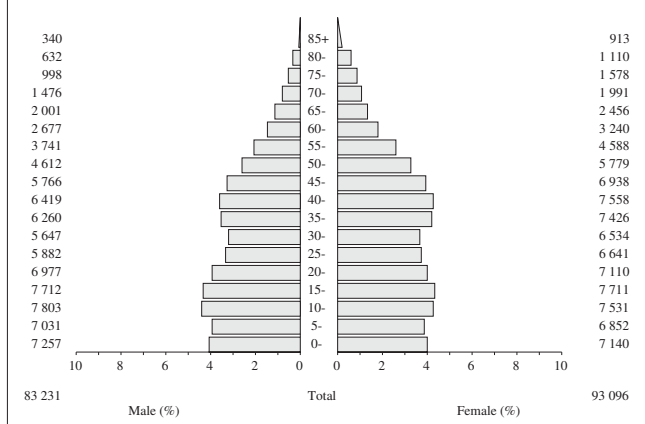
|                |                 |
|----------------|-----------------|
| Dayna Aydin    | Janet Berry     |
| Judy Walrath   | Valerie Loper   |
| Colleen Ferber | Betsy Cromartie |
| Guy Garnett    |                 |



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 126.6 | Breast                     | 88.7  |
| Trachea, bronchus and lung | 61.0  | Trachea, bronchus and lung | 46.7  |
| Colon                      | 26.2  | Corpus uteri               | 20.1  |
| Bladder                    | 25.1  | Colon                      | 19.2  |
| Melanoma of skin           | 19.9  | Melanoma of skin           | 13.5  |
| Non-Hodgkin lymphoma       | 16.5  | Thyroid                    | 12.8  |
| Kidney                     | 13.6  | Non-Hodgkin lymphoma       | 11.3  |
| Rectum                     | 12.1  | Ovary                      | 10.0  |
| Pancreas                   | 8.1   | Kidney                     | 7.4   |
| Brain, nervous system      | 6.9   | Rectum                     | 7.1   |
| All sites                  | 406.3 | All sites                  | 306.3 |

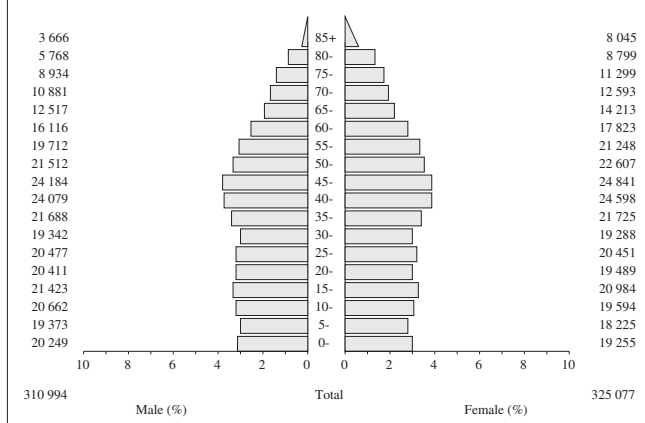
**USA, Delaware: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, DELAWARE: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 206.7 | Breast                     | 94.8  |
| Trachea, bronchus and lung | 69.1  | Trachea, bronchus and lung | 45.8  |
| Colon                      | 35.2  | Colon                      | 23.0  |
| Kidney                     | 17.6  | Corpus uteri               | 18.7  |
| Bladder                    | 14.4  | Thyroid                    | 9.7   |
| Non-Hodgkin lymphoma       | 14.1  | Non-Hodgkin lymphoma       | 9.4   |
| Liver                      | 12.3  | Cervix uteri               | 9.2   |
| Rectum                     | 10.3  | Kidney                     | 8.2   |
| Other and unspecified      | 9.5   | Pancreas                   | 7.9   |
| Stomach                    | 8.8   | Ovary                      | 7.5   |
| All sites                  | 483.2 | All sites                  | 300.5 |

**USA, Delaware: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, DELAWARE: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 112.7 | Breast                     | 87.2  |
| Trachea, bronchus and lung | 60.3  | Trachea, bronchus and lung | 47.4  |
| Bladder                    | 26.9  | Corpus uteri               | 20.7  |
| Colon                      | 24.7  | Colon                      | 18.5  |
| Melanoma of skin           | 22.8  | Melanoma of skin           | 16.2  |
| Non-Hodgkin lymphoma       | 16.8  | Thyroid                    | 13.9  |
| Kidney                     | 13.0  | Non-Hodgkin lymphoma       | 11.6  |
| Rectum                     | 12.3  | Ovary                      | 10.4  |
| Pancreas                   | 8.0   | Bladder                    | 7.5   |
| Brain, nervous system      | 7.6   | Kidney                     | 7.1   |
| All sites                  | 394.0 | All sites                  | 308.4 |

## USA, Delaware (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 9         | 0.1       | 0.4                      | <b>0.3</b>   | 0.00                     | 0.04      | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 112       | 0.9       | 5.5                      | <b>4.1</b>   | 0.34                     | 0.50      | 33        | 0.3                      | 1.5       | <b>1.0</b>               | 0.06   | 0.12  | C01-02          |
| Mouth                        | 57        | 0.5       | 2.8                      | <b>2.0</b>   | 0.15                     | 0.25      | 37        | 0.3                      | 1.7       | <b>0.9</b>               | 0.02   | 0.11  | C03-06          |
| Salivary glands              | 27        | 0.2       | 1.3                      | <b>0.9</b>   | 0.05                     | 0.10      | 22        | 0.2                      | 1.0       | <b>0.6</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 65        | 0.5       | 3.2                      | <b>2.4</b>   | 0.19                     | 0.30      | 20        | 0.2                      | 0.9       | <b>0.6</b>               | 0.05   | 0.06  | C09             |
| Other oropharynx             | 26        | 0.2       | 1.3                      | <b>1.0</b>   | 0.08                     | 0.13      | 8         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 18        | 0.1       | 0.9                      | <b>0.7</b>   | 0.06                     | 0.07      | 7         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 40        | 0.3       | 2.0                      | <b>1.4</b>   | 0.10                     | 0.18      | 7         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 194       | 1.6       | 9.5                      | <b>6.3</b>   | 0.34                     | 0.80      | 58        | 0.5                      | 2.7       | <b>1.4</b>               | 0.07   | 0.17  | C15             |
| Stomach                      | 199       | 1.6       | 9.8                      | <b>6.2</b>   | 0.31                     | 0.73      | 125       | 1.2                      | 5.8       | <b>3.0</b>               | 0.12   | 0.36  | C16             |
| Small intestine              | 44        | 0.4       | 2.2                      | <b>1.5</b>   | 0.10                     | 0.16      | 50        | 0.5                      | 2.3       | <b>1.3</b>               | 0.07   | 0.15  | C17             |
| Colon                        | 845       | 6.8       | 41.4                     | <b>26.2</b>  | 1.27                     | 3.04      | 828       | 7.6                      | 38.3      | <b>19.2</b>              | 0.85   | 2.20  | C18             |
| Rectum                       | 356       | 2.9       | 17.5                     | <b>12.1</b>  | 0.81                     | 1.42      | 269       | 2.5                      | 12.5      | <b>7.1</b>               | 0.44   | 0.79  | C19-20          |
| Anus                         | 28        | 0.2       | 1.4                      | <b>0.9</b>   | 0.08                     | 0.10      | 54        | 0.5                      | 2.5       | <b>1.8</b>               | 0.16   | 0.20  | C21             |
| Liver                        | 200       | 1.6       | 9.8                      | <b>6.9</b>   | 0.51                     | 0.83      | 57        | 0.5                      | 2.6       | <b>1.6</b>               | 0.07   | 0.20  | C22             |
| Gallbladder etc.             | 48        | 0.4       | 2.4                      | <b>1.5</b>   | 0.05                     | 0.16      | 66        | 0.6                      | 3.1       | <b>1.5</b>               | 0.06   | 0.18  | C23-24          |
| Pancreas                     | 256       | 2.1       | 12.6                     | <b>8.1</b>   | 0.43                     | 0.97      | 286       | 2.6                      | 13.2      | <b>6.5</b>               | 0.28   | 0.75  | C25             |
| Nose, sinuses etc.           | 18        | 0.1       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07      | 18        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C30-31          |
| Larynx                       | 161       | 1.3       | 7.9                      | <b>5.4</b>   | 0.32                     | 0.71      | 40        | 0.4                      | 1.9       | <b>1.2</b>               | 0.08   | 0.17  | C32             |
| Trachea, bronchus and lung   | 1970      | 15.9      | 96.6                     | <b>61.0</b>  | 2.87                     | 7.46      | 1790      | 16.5                     | 82.8      | <b>46.7</b>              | 2.50   | 5.93  | C33-34          |
| Other thoracic organs        | 10        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04      | 10        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 31        | 0.3       | 1.5                      | <b>1.5</b>   | 0.09                     | 0.12      | 15        | 0.1                      | 0.7       | <b>0.5</b>               | 0.04   | 0.04  | C40-41          |
| Melanoma of skin             | 604       | 4.9       | 29.6                     | <b>19.9</b>  | 1.25                     | 2.16      | 411       | 3.8                      | 19.0      | <b>13.5</b>              | 0.97   | 1.40  | C43             |
| Other skin                   | 31        | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.09      | 20        | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 54        | 0.4       | 2.6                      | <b>1.4</b>   | 0.01                     | 0.15      | 12        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C45             |
| Kaposi sarcoma               | 9         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.03      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 81        | 0.7       | 4.0                      | <b>2.9</b>   | 0.17                     | 0.26      | 70        | 0.6                      | 3.2       | <b>2.5</b>               | 0.15   | 0.21  | C47+C49         |
| Breast                       | 31        | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.12      | 3001      | 27.7                     | 138.9     | <b>88.7</b>              | 6.32   | 10.24 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 56        | 0.5                      | 2.6       | <b>1.5</b>               | 0.10   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 15        | 0.1                      | 0.7       | <b>0.4</b>               | 0.04   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 185       | 1.7                      | 8.6       | <b>6.5</b>               | 0.53   | 0.63  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 674       | 6.2                      | 31.2      | <b>20.1</b>              | 1.49   | 2.49  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 24        | 0.2                      | 1.1       | <b>0.7</b>               | 0.03   | 0.09  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 341       | 3.1                      | 15.8      | <b>10.0</b>              | 0.63   | 1.21  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 5         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 7         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3810      | 30.8      | 186.9                    | <b>126.6</b> | 6.89                     | 17.24     |           |                          |           |                          |        |       | C61             |
| Testis                       | 98        | 0.8       | 4.8                      | <b>4.5</b>   | 0.34                     | 0.36      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 400       | 3.2       | 19.6                     | <b>13.6</b>  | 0.85                     | 1.55      | 253       | 2.3                      | 11.7      | <b>7.4</b>               | 0.49   | 0.85  | C64             |
| Renal pelvis                 | 20        | 0.2       | 1.0                      | <b>0.6</b>   | 0.01                     | 0.09      | 16        | 0.1                      | 0.7       | <b>0.3</b>               | 0.00   | 0.03  | C65             |
| Ureter                       | 25        | 0.2       | 1.2                      | <b>0.8</b>   | 0.02                     | 0.09      | 6         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 845       | 6.8       | 41.4                     | <b>25.1</b>  | 1.00                     | 3.01      | 302       | 2.8                      | 14.0      | <b>6.8</b>               | 0.30   | 0.76  | C67             |
| Other urinary organs         | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 5         | 0.0                      | 0.2       | <b>0.2</b>               | 0.00   | 0.02  | C68             |
| Eye                          | 18        | 0.1       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.06      | 26        | 0.2                      | 1.2       | <b>0.9</b>               | 0.05   | 0.10  | C69             |
| Brain, nervous system        | 177       | 1.4       | 8.7                      | <b>6.9</b>   | 0.45                     | 0.69      | 130       | 1.2                      | 6.0       | <b>5.0</b>               | 0.26   | 0.48  | C70-72          |
| Thyroid                      | 114       | 0.9       | 5.6                      | <b>4.1</b>   | 0.29                     | 0.45      | 351       | 3.2                      | 16.2      | <b>12.8</b>              | 1.00   | 1.30  | C73             |
| Adrenal gland                | 5         | 0.0       | 0.2                      | <b>0.4</b>   | 0.02                     | 0.02      | 11        | 0.1                      | 0.5       | <b>0.5</b>               | 0.03   | 0.04  | C74             |
| Other endocrine              | 3         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 6         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 74        | 0.6       | 3.6                      | <b>3.3</b>   | 0.25                     | 0.28      | 58        | 0.5                      | 2.7       | <b>2.5</b>               | 0.18   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 484       | 3.9       | 23.7                     | <b>16.5</b>  | 0.90                     | 1.89      | 407       | 3.8                      | 18.8      | <b>11.3</b>              | 0.67   | 1.25  | C82-85,C96      |
| Immunoproliferative diseases | 7         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 137       | 1.1       | 6.7                      | <b>4.2</b>   | 0.24                     | 0.46      | 109       | 1.0                      | 5.0       | <b>2.8</b>               | 0.16   | 0.36  | C90             |
| Lymphoid leukaemia           | 143       | 1.2       | 7.0                      | <b>5.3</b>   | 0.27                     | 0.55      | 84        | 0.8                      | 3.9       | <b>2.6</b>               | 0.14   | 0.26  | C91             |
| Myeloid leukaemia            | 126       | 1.0       | 6.2                      | <b>4.3</b>   | 0.23                     | 0.39      | 103       | 1.0                      | 4.8       | <b>3.2</b>               | 0.19   | 0.31  | C92-94          |
| Leukaemia unspecified        | 10        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03      | 15        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 32        | 0.3       | 1.6                      | <b>0.9</b>   | 0.04                     | 0.11      | 27        | 0.2                      | 1.2       | <b>0.6</b>               | 0.02   | 0.08  | MPD             |
| Myelodysplastic syndromes    | 90        | 0.7       | 4.4                      | <b>2.5</b>   | 0.04                     | 0.30      | 58        | 0.5                      | 2.7       | <b>1.3</b>               | 0.04   | 0.13  | MDS             |
| Other and unspecified        | 231       | 1.9       | 11.3                     | <b>6.9</b>   | 0.33                     | 0.74      | 265       | 2.4                      | 12.3      | <b>6.1</b>               | 0.29   | 0.66  | O&U             |
| All sites                    | 12391     |           | 607.8                    | <b>406.3</b> | 22.00                    | 49.39     | 10858     |                          | 502.6     | <b>306.3</b>             | 19.21  | 35.15 | C00-96          |
| All sites except C44         | 12360     | 100.0     | 606.2                    | <b>405.3</b> | 21.95                    | 49.30     | 10838     | 100.0                    | 501.6     | <b>305.7</b>             | 19.17  | 35.09 | C00-96 exc. C44 |

## USA, Delaware: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 14        | 0.7       | 3.4                      | <b>3.4</b>   | 0.26                     | 0.43      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C01-02          |
| Mouth                        | 14        | 0.7       | 3.4                      | <b>3.3</b>   | 0.19                     | 0.41      | 9         | 0.5                      | 1.9       | <b>1.8</b>               | 0.05   | 0.22  | C03-06          |
| Salivary glands              | 4         | 0.2       | 1.0                      | <b>0.9</b>   | 0.09                     | 0.09      | 4         | 0.2                      | 0.9       | <b>0.7</b>               | 0.07   | 0.07  | C07-08          |
| Tonsil                       | 17        | 0.9       | 4.1                      | <b>4.2</b>   | 0.31                     | 0.56      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C09             |
| Other oropharynx             | 4         | 0.2       | 1.0                      | <b>0.9</b>   | 0.08                     | 0.14      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 6         | 0.3       | 1.4                      | <b>1.4</b>   | 0.09                     | 0.14      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 11        | 0.6       | 2.6                      | <b>2.9</b>   | 0.16                     | 0.43      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 27        | 1.4       | 6.5                      | <b>7.3</b>   | 0.36                     | 1.14      | 10        | 0.6                      | 2.1       | <b>1.6</b>               | 0.14   | 0.14  | C15             |
| Stomach                      | 36        | 1.8       | 8.7                      | <b>8.8</b>   | 0.30                     | 1.16      | 40        | 2.4                      | 8.6       | <b>6.7</b>               | 0.25   | 0.91  | C16             |
| Small intestine              | 9         | 0.5       | 2.2                      | <b>1.9</b>   | 0.13                     | 0.19      | 15        | 0.9                      | 3.2       | <b>2.5</b>               | 0.17   | 0.26  | C17             |
| Colon                        | 143       | 7.3       | 34.4                     | <b>35.2</b>  | 1.74                     | 4.11      | 128       | 7.7                      | 27.5      | <b>23.0</b>              | 1.45   | 2.79  | C18             |
| Rectum                       | 43        | 2.2       | 10.3                     | <b>10.3</b>  | 0.69                     | 1.26      | 40        | 2.4                      | 8.6       | <b>7.5</b>               | 0.50   | 0.90  | C19-20          |
| Anus                         | 6         | 0.3       | 1.4                      | <b>1.1</b>   | 0.05                     | 0.05      | 8         | 0.5                      | 1.7       | <b>1.3</b>               | 0.08   | 0.13  | C21             |
| Liver                        | 53        | 2.7       | 12.7                     | <b>12.3</b>  | 1.03                     | 1.43      | 16        | 1.0                      | 3.4       | <b>2.7</b>               | 0.14   | 0.34  | C22             |
| Gallbladder etc.             | 4         | 0.2       | 1.0                      | <b>1.1</b>   | 0.04                     | 0.22      | 10        | 0.6                      | 2.1       | <b>1.6</b>               | 0.09   | 0.13  | C23-24          |
| Pancreas                     | 35        | 1.8       | 8.4                      | <b>8.7</b>   | 0.50                     | 1.10      | 48        | 2.9                      | 10.3      | <b>7.9</b>               | 0.40   | 0.74  | C25             |
| Nose, sinuses etc.           | 3         | 0.2       | 0.7                      | <b>0.7</b>   | 0.02                     | 0.09      | 3         | 0.2                      | 0.6       | <b>0.5</b>               | 0.01   | 0.06  | C30-31          |
| Larynx                       | 33        | 1.7       | 7.9                      | <b>8.1</b>   | 0.47                     | 0.95      | 7         | 0.4                      | 1.5       | <b>1.4</b>               | 0.06   | 0.18  | C32             |
| Trachea, bronchus and lung   | 278       | 14.3      | 66.8                     | <b>69.1</b>  | 3.56                     | 8.67      | 247       | 14.9                     | 53.1      | <b>45.8</b>              | 2.40   | 5.98  | C33-34          |
| Other thoracic organs        | 3         | 0.2       | 0.7                      | <b>0.7</b>   | 0.07                     | 0.07      | 3         | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C37-38          |
| Bone                         | 2         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.03      | 3         | 0.2                      | 0.6       | <b>0.5</b>               | 0.05   | 0.05  | C40-41          |
| Melanoma of skin             | 2         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.02      | 3         | 0.2                      | 0.6       | <b>0.7</b>               | 0.06   | 0.10  | C43             |
| Other skin                   | 5         | 0.3       | 1.2                      | <b>1.1</b>   | 0.06                     | 0.13      | 4         | 0.3                      | 0.9       | <b>0.7</b>               | 0.06   | 0.06  | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C45             |
| Kaposi sarcoma               | 2         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 12        | 0.6       | 2.9                      | <b>2.7</b>   | 0.13                     | 0.19      | 15        | 0.9                      | 3.2       | <b>2.8</b>               | 0.21   | 0.21  | C47+C49         |
| Breast                       | 8         | 0.4       | 1.9                      | <b>1.8</b>   | 0.10                     | 0.17      | 527       | 31.8                     | 113.2     | <b>94.8</b>              | 7.07   | 10.69 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 6         | 0.4                      | 1.3       | <b>1.1</b>               | 0.11   | 0.11  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 5         | 0.3                      | 1.1       | <b>0.8</b>               | 0.06   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 51        | 3.1                      | 11.0      | <b>9.2</b>               | 0.72   | 0.89  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 96        | 5.8                      | 20.6      | <b>18.7</b>              | 1.31   | 2.32  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 8         | 0.5                      | 1.7       | <b>1.4</b>               | 0.07   | 0.15  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 40        | 2.4                      | 8.6       | <b>7.5</b>               | 0.49   | 0.98  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 3         | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 816       | 41.8      | 196.1                    | <b>206.7</b> | 12.13                    | 27.90     |           |                          |           |                          |        |       | C61             |
| Testis                       | 6         | 0.3       | 1.4                      | <b>1.5</b>   | 0.13                     | 0.13      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 73        | 3.7       | 17.5                     | <b>17.6</b>  | 1.03                     | 2.16      | 46        | 2.8                      | 9.9       | <b>8.2</b>               | 0.62   | 0.90  | C64             |
| Renal pelvis                 | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 2         | 0.1       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 59        | 3.0       | 14.2                     | <b>14.4</b>  | 0.50                     | 1.83      | 23        | 1.4                      | 4.9       | <b>3.4</b>               | 0.13   | 0.27  | C67             |
| Other urinary organs         | 1         | 0.1       | 0.2                      | <b>0.3</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 12        | 0.6       | 2.9                      | <b>3.1</b>   | 0.14                     | 0.26      | 12        | 0.7                      | 2.6       | <b>2.5</b>               | 0.10   | 0.30  | C70-72          |
| Thyroid                      | 11        | 0.6       | 2.6                      | <b>2.7</b>   | 0.13                     | 0.36      | 50        | 3.0                      | 10.7      | <b>9.7</b>               | 0.83   | 1.03  | C73             |
| Adrenal gland                | 2         | 0.1       | 0.5                      | <b>0.7</b>   | 0.03                     | 0.03      | 2         | 0.1                      | 0.4       | <b>0.4</b>               | 0.04   | 0.04  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.09  | C75             |
| Hodgkin lymphoma             | 14        | 0.7       | 3.4                      | <b>3.0</b>   | 0.25                     | 0.25      | 13        | 0.8                      | 2.8       | <b>2.8</b>               | 0.20   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 62        | 3.2       | 14.9                     | <b>14.1</b>  | 0.93                     | 1.37      | 52        | 3.1                      | 11.2      | <b>9.4</b>               | 0.67   | 0.98  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 30        | 1.5       | 7.2                      | <b>7.4</b>   | 0.48                     | 0.88      | 31        | 1.9                      | 6.7       | <b>5.2</b>               | 0.34   | 0.57  | C90             |
| Lymphoid leukaemia           | 15        | 0.8       | 3.6                      | <b>3.5</b>   | 0.18                     | 0.40      | 15        | 0.9                      | 3.2       | <b>2.7</b>               | 0.15   | 0.23  | C91             |
| Myeloid leukaemia            | 20        | 1.0       | 4.8                      | <b>4.7</b>   | 0.32                     | 0.44      | 19        | 1.1                      | 4.1       | <b>3.9</b>               | 0.24   | 0.32  | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.2                      | 0.6       | <b>0.5</b>               | 0.00   | 0.04  | MPD             |
| Myelodysplastic syndromes    | 14        | 0.7       | 3.4                      | <b>3.3</b>   | 0.04                     | 0.34      | 8         | 0.5                      | 1.7       | <b>1.6</b>               | 0.04   | 0.18  | MDS             |
| Other and unspecified        | 39        | 2.0       | 9.4                      | <b>9.5</b>   | 0.59                     | 1.31      | 32        | 1.9                      | 6.9       | <b>5.2</b>               | 0.23   | 0.62  | O&U             |
| All sites                    | 1955      |           | 469.8                    | <b>483.2</b> | 27.49                    | 61.00     | 1660      |                          | 356.6     | <b>300.5</b>             | 19.74  | 34.40 | C00-96          |
| All sites except C44         | 1950      | 100.0     | 468.6                    | <b>482.2</b> | 27.43                    | 60.87     | 1656      | 100.0                    | 355.8     | <b>299.7</b>             | 19.68  | 34.33 | C00-96 exc. C44 |



## USA, Delaware: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 9         | 0.1       | 0.6                      | <b>0.3</b>   | 0.00                     | 0.05      | 5         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.02  | C00             |
| Tongue                       | 95        | 0.9       | 6.1                      | <b>4.2</b>   | 0.35                     | 0.51      | 29        | 0.3                      | 1.8       | <b>1.0</b>               | 0.06   | 0.13  | C01-02          |
| Mouth                        | 43        | 0.4       | 2.8                      | <b>1.9</b>   | 0.15                     | 0.22      | 28        | 0.3                      | 1.7       | <b>0.7</b>               | 0.01   | 0.08  | C03-06          |
| Salivary glands              | 23        | 0.2       | 1.5                      | <b>0.9</b>   | 0.04                     | 0.10      | 18        | 0.2                      | 1.1       | <b>0.6</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 48        | 0.5       | 3.1                      | <b>2.2</b>   | 0.18                     | 0.27      | 20        | 0.2                      | 1.2       | <b>0.8</b>               | 0.06   | 0.08  | C09             |
| Other oropharynx             | 22        | 0.2       | 1.4                      | <b>1.0</b>   | 0.08                     | 0.13      | 8         | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.04  | C10             |
| Nasopharynx                  | 9         | 0.1       | 0.6                      | <b>0.4</b>   | 0.04                     | 0.04      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 29        | 0.3       | 1.9                      | <b>1.1</b>   | 0.09                     | 0.14      | 6         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 163       | 1.6       | 10.5                     | <b>6.3</b>   | 0.35                     | 0.77      | 47        | 0.5                      | 2.9       | <b>1.3</b>               | 0.06   | 0.16  | C15             |
| Stomach                      | 159       | 1.6       | 10.2                     | <b>5.8</b>   | 0.31                     | 0.67      | 75        | 0.8                      | 4.6       | <b>2.1</b>               | 0.08   | 0.23  | C16             |
| Small intestine              | 34        | 0.3       | 2.2                      | <b>1.4</b>   | 0.09                     | 0.15      | 34        | 0.4                      | 2.1       | <b>1.0</b>               | 0.05   | 0.13  | C17             |
| Colon                        | 683       | 6.7       | 43.9                     | <b>24.7</b>  | 1.18                     | 2.85      | 690       | 7.7                      | 42.5      | <b>18.5</b>              | 0.75   | 2.12  | C18             |
| Rectum                       | 301       | 3.0       | 19.4                     | <b>12.3</b>  | 0.82                     | 1.44      | 215       | 2.4                      | 13.2      | <b>6.8</b>               | 0.41   | 0.74  | C19-20          |
| Anus                         | 21        | 0.2       | 1.4                      | <b>0.9</b>   | 0.08                     | 0.10      | 46        | 0.5                      | 2.8       | <b>1.9</b>               | 0.18   | 0.22  | C21             |
| Liver                        | 143       | 1.4       | 9.2                      | <b>5.9</b>   | 0.40                     | 0.72      | 39        | 0.4                      | 2.4       | <b>1.3</b>               | 0.05   | 0.16  | C22             |
| Gallbladder etc.             | 44        | 0.4       | 2.8                      | <b>1.5</b>   | 0.06                     | 0.15      | 55        | 0.6                      | 3.4       | <b>1.5</b>               | 0.06   | 0.19  | C23-24          |
| Pancreas                     | 219       | 2.2       | 14.1                     | <b>8.0</b>   | 0.42                     | 0.96      | 235       | 2.6                      | 14.5      | <b>6.3</b>               | 0.26   | 0.75  | C25             |
| Nose, sinuses etc.           | 15        | 0.1       | 1.0                      | <b>0.6</b>   | 0.04                     | 0.07      | 15        | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C30-31          |
| Larynx                       | 128       | 1.3       | 8.2                      | <b>5.1</b>   | 0.31                     | 0.69      | 33        | 0.4                      | 2.0       | <b>1.2</b>               | 0.08   | 0.17  | C32             |
| Trachea, bronchus and lung   | 1673      | 16.5      | 107.6                    | <b>60.3</b>  | 2.80                     | 7.35      | 1522      | 17.0                     | 93.6      | <b>47.4</b>              | 2.56   | 5.99  | C33-34          |
| Other thoracic organs        | 7         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.03      | 7         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 28        | 0.3       | 1.8                      | <b>1.8</b>   | 0.10                     | 0.14      | 12        | 0.1                      | 0.7       | <b>0.6</b>               | 0.04   | 0.04  | C40-41          |
| Melanoma of skin             | 572       | 5.6       | 36.8                     | <b>22.8</b>  | 1.46                     | 2.45      | 384       | 4.3                      | 23.6      | <b>16.2</b>              | 1.17   | 1.65  | C43             |
| Other skin                   | 26        | 0.2       | 1.7                      | <b>1.0</b>   | 0.04                     | 0.08      | 16        | 0.1                      | 1.0       | <b>0.6</b>               | 0.03   | 0.06  | C44             |
| Mesothelioma                 | 53        | 0.5       | 3.4                      | <b>1.6</b>   | 0.01                     | 0.18      | 11        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.05  | C45             |
| Kaposi sarcoma               | 6         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.02      | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 66        | 0.6       | 4.2                      | <b>2.7</b>   | 0.17                     | 0.26      | 52        | 0.6                      | 3.2       | <b>2.3</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 21        | 0.2       | 1.4                      | <b>0.9</b>   | 0.05                     | 0.10      | 2419      | 27.0                     | 148.8     | <b>87.2</b>              | 6.17   | 10.17 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 49        | 0.5                      | 3.0       | <b>1.6</b>               | 0.11   | 0.18  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 10        | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 128       | 1.4                      | 7.9       | <b>5.9</b>               | 0.48   | 0.58  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 564       | 6.3                      | 34.7      | <b>20.7</b>              | 1.55   | 2.57  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 15        | 0.2                      | 0.9       | <b>0.5</b>               | 0.02   | 0.08  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 291       | 3.2                      | 17.9      | <b>10.4</b>              | 0.66   | 1.26  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 4         | 0.0                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.02      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 2905      | 28.6      | 186.8                    | <b>112.7</b> | 5.93                     | 15.46     |           |                          |           |                          |        |       | C61             |
| Testis                       | 89        | 0.9       | 5.7                      | <b>5.5</b>   | 0.40                     | 0.43      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 321       | 3.2       | 20.6                     | <b>13.0</b>  | 0.82                     | 1.46      | 202       | 2.3                      | 12.4      | <b>7.1</b>               | 0.46   | 0.84  | C64             |
| Renal pelvis                 | 19        | 0.2       | 1.2                      | <b>0.7</b>   | 0.01                     | 0.10      | 15        | 0.2                      | 0.9       | <b>0.3</b>               | 0.00   | 0.03  | C65             |
| Ureter                       | 22        | 0.2       | 1.4                      | <b>0.8</b>   | 0.02                     | 0.10      | 6         | 0.1                      | 0.4       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 775       | 7.6       | 49.8                     | <b>26.9</b>  | 1.11                     | 3.22      | 275       | 3.1                      | 16.9      | <b>7.5</b>               | 0.34   | 0.86  | C67             |
| Other urinary organs         | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.00      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.03  | C68             |
| Eye                          | 18        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                     | 0.08      | 25        | 0.3                      | 1.5       | <b>1.0</b>               | 0.05   | 0.11  | C69             |
| Brain, nervous system        | 159       | 1.6       | 10.2                     | <b>7.6</b>   | 0.51                     | 0.77      | 116       | 1.3                      | 7.1       | <b>5.8</b>               | 0.31   | 0.54  | C70-72          |
| Thyroid                      | 103       | 1.0       | 6.6                      | <b>4.5</b>   | 0.33                     | 0.49      | 293       | 3.3                      | 18.0      | <b>13.9</b>              | 1.06   | 1.40  | C73             |
| Adrenal gland                | 3         | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.01      | 9         | 0.1                      | 0.6       | <b>0.6</b>               | 0.03   | 0.04  | C74             |
| Other endocrine              | 3         | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.01      | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 59        | 0.6       | 3.8                      | <b>3.5</b>   | 0.26                     | 0.30      | 45        | 0.5                      | 2.8       | <b>2.5</b>               | 0.18   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 413       | 4.1       | 26.6                     | <b>16.8</b>  | 0.90                     | 1.97      | 348       | 3.9                      | 21.4      | <b>11.6</b>              | 0.68   | 1.29  | C82-85,C96      |
| Immunoproliferative diseases | 6         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.04      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 101       | 1.0       | 6.5                      | <b>3.6</b>   | 0.20                     | 0.38      | 71        | 0.8                      | 4.4       | <b>2.2</b>               | 0.12   | 0.29  | C90             |
| Lymphoid leukaemia           | 123       | 1.2       | 7.9                      | <b>5.6</b>   | 0.28                     | 0.58      | 67        | 0.7                      | 4.1       | <b>2.7</b>               | 0.15   | 0.26  | C91             |
| Myeloid leukaemia            | 105       | 1.0       | 6.8                      | <b>4.3</b>   | 0.22                     | 0.38      | 83        | 0.9                      | 5.1       | <b>3.0</b>               | 0.17   | 0.30  | C92-94          |
| Leukaemia unspecified        | 10        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.04      | 14        | 0.2                      | 0.9       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 30        | 0.3       | 1.9                      | <b>1.0</b>   | 0.04                     | 0.12      | 24        | 0.3                      | 1.5       | <b>0.6</b>               | 0.02   | 0.09  | MPD             |
| Myelodysplastic syndromes    | 75        | 0.7       | 4.8                      | <b>2.4</b>   | 0.04                     | 0.29      | 50        | 0.6                      | 3.1       | <b>1.2</b>               | 0.04   | 0.12  | MDS             |
| Other and unspecified        | 190       | 1.9       | 12.2                     | <b>6.4</b>   | 0.28                     | 0.65      | 231       | 2.6                      | 14.2      | <b>6.4</b>               | 0.31   | 0.69  | O&U             |
| All sites                    | 10182     |           | 654.8                    | <b>394.0</b> | 21.12                    | 47.61     | 8976      |                          | 552.2     | <b>308.4</b>             | 19.21  | 35.43 | C00-96          |
| All sites except C44         | 10156     | 100.0     | 653.1                    | <b>393.0</b> | 21.07                    | 47.53     | 8960      | 100.0                    | 551.3     | <b>307.8</b>             | 19.17  | 35.37 | C00-96 exc. C44 |



# USA, Florida

## REGISTRATION AREA

The Florida Cancer Data System (FCDS) covers the 18 million residents of the state of Florida in the USA. The state is divided into 67 counties. The population of Florida is approximately 80% White and 15% Black. About 20% of Florida's population is of Hispanic origin.

## CANCER CARE FACILITIES

A total of 208 reporting hospitals, 250 free-standing ambulatory surgical and radiation treatment facilities, 600 pathology laboratories, and more than 700 physicians' offices contribute approximately 100 000 new incident cases to the FCDS each year.

## REGISTRY STRUCTURE AND METHODS

The FCDS is the legislatively mandated population-based central cancer registry for the state of Florida. The registry is a joint project of the University of Miami Miller School of Medicine, the Florida Department of Health, and the United States Centers for Disease Control and Prevention (CDC). Data are collected and coded by the FCDS in accordance with the national standards put forth by the North American Association of Central Cancer Registries (NAACCR), and the FCDS has achieved NAACCR Gold Certification – the highest level available.

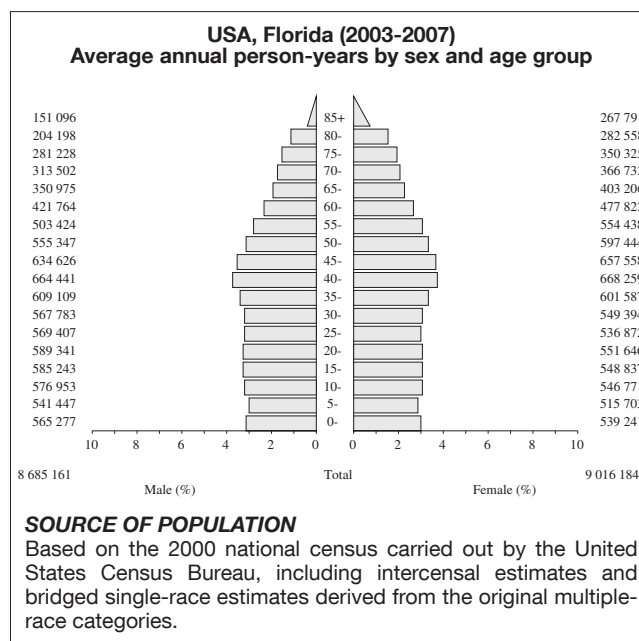
## USE OF THE DATA

The FCDS provides quality data for surveillance and research purposes, and for cancer control and programme evaluation for several state and national organizations. FCDS data are used extensively throughout the Florida Department of Health for the

formulation and evaluation of cancer control and prevention activities, and by the Florida Cancer Control and Research Advisory Council (C-CRAC), which is responsible for defining cancer priorities for the state of Florida. The FCDS also provides its data to state and national researchers and cancer prevention and control professionals.

## CONTRIBUTOR

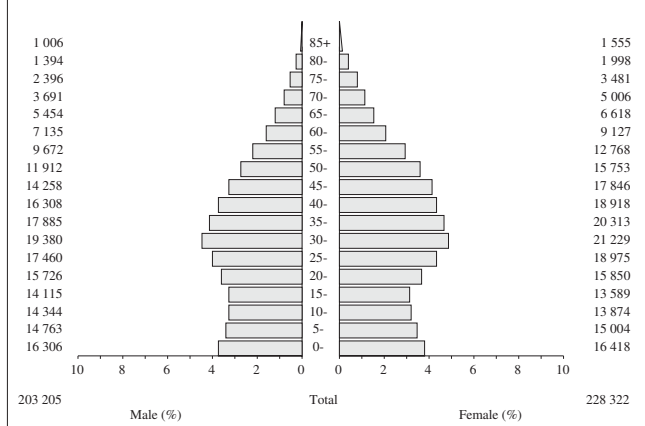
Jill MacKinnon



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 97.9  | Breast                     | 79.7  |
| Trachea, bronchus and lung | 55.2  | Trachea, bronchus and lung | 38.4  |
| Colon                      | 22.8  | Colon                      | 18.1  |
| Bladder                    | 21.4  | Corpus uteri               | 14.5  |
| Melanoma of skin           | 14.9  | Thyroid                    | 11.2  |
| Non-Hodgkin lymphoma       | 14.7  | Non-Hodgkin lymphoma       | 10.4  |
| Kidney                     | 12.3  | Melanoma of skin           | 10.1  |
| Rectum                     | 10.6  | Ovary                      | 9.3   |
| Other and unspecified      | 9.4   | Cervix uteri               | 7.4   |
| Pancreas                   | 8.3   | Other and unspecified      | 7.0   |
| All sites                  | 359.4 | All sites                  | 276.7 |

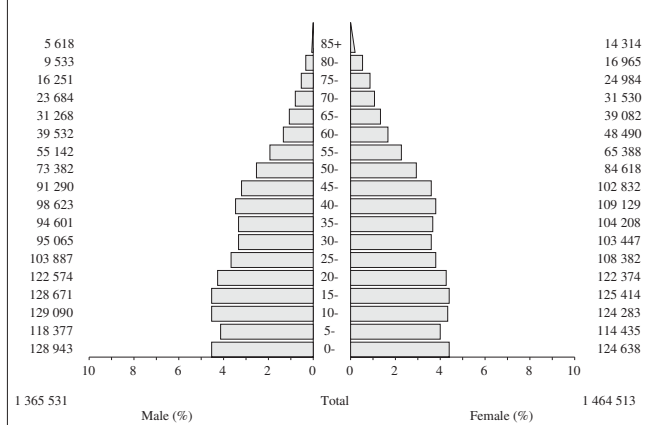
**USA, Florida: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, FLORIDA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 24.2  | Breast                     | 30.5  |
| Trachea, bronchus and lung | 13.7  | Trachea, bronchus and lung | 14.2  |
| Liver                      | 9.6   | Thyroid                    | 8.5   |
| Colon                      | 9.5   | Colon                      | 6.9   |
| Rectum                     | 5.8   | Corpus uteri               | 6.3   |
| Non-Hodgkin lymphoma       | 4.1   | Ovary                      | 4.3   |
| Kidney                     | 3.4   | Rectum                     | 4.1   |
| Stomach                    | 3.4   | Cervix uteri               | 3.8   |
| Bladder                    | 3.2   | Non-Hodgkin lymphoma       | 3.4   |
| Other and unspecified      | 3.0   | Other and unspecified      | 3.3   |
| All sites                  | 110.0 | All sites                  | 113.1 |

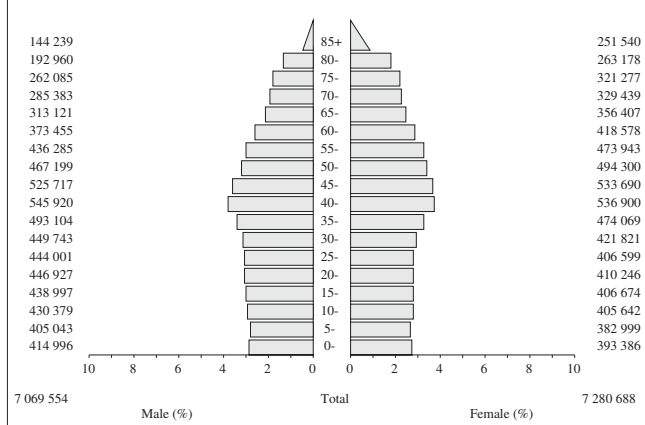
**USA, Florida: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, FLORIDA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 152.7 | Breast                     | 71.3  |
| Trachea, bronchus and lung | 57.6  | Trachea, bronchus and lung | 25.8  |
| Colon                      | 27.2  | Colon                      | 23.0  |
| Non-Hodgkin lymphoma       | 12.6  | Corpus uteri               | 14.8  |
| Kidney                     | 11.6  | Cervix uteri               | 9.1   |
| Other and unspecified      | 10.5  | Non-Hodgkin lymphoma       | 9.1   |
| Stomach                    | 9.6   | Other and unspecified      | 8.3   |
| Pancreas                   | 9.4   | Pancreas                   | 7.2   |
| Rectum                     | 9.4   | Ovary                      | 7.0   |
| Liver                      | 8.7   | Thyroid                    | 7.0   |
| All sites                  | 388.9 | All sites                  | 248.9 |

**USA, Florida: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, FLORIDA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 91.4  | Breast                     | 80.9  |
| Trachea, bronchus and lung | 55.3  | Trachea, bronchus and lung | 40.0  |
| Bladder                    | 22.5  | Colon                      | 17.4  |
| Colon                      | 22.2  | Corpus uteri               | 14.6  |
| Melanoma of skin           | 16.5  | Thyroid                    | 11.9  |
| Non-Hodgkin lymphoma       | 14.7  | Melanoma of skin           | 11.6  |
| Kidney                     | 12.5  | Non-Hodgkin lymphoma       | 10.4  |
| Rectum                     | 10.7  | Ovary                      | 9.7   |
| Other and unspecified      | 9.3   | Cervix uteri               | 7.2   |
| Pancreas                   | 8.2   | Other and unspecified      | 6.8   |
| All sites                  | 355.7 | All sites                  | 281.0 |

## USA, Florida (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 389        | 0.1       | 0.9                      | <b>0.6</b>   | 0.03                | 0.06                | 156        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 2621       | 1.0       | 6.0                      | <b>4.0</b>   | 0.30                | 0.49                | 1055       | 0.5       | 2.3                      | <b>1.3</b>   | 0.09                | 0.16                | C01-02          |
| Mouth                        | 1525       | 0.6       | 3.5                      | <b>2.2</b>   | 0.16                | 0.26                | 970        | 0.4       | 2.2                      | <b>1.1</b>   | 0.07                | 0.13                | C03-06          |
| Salivary glands              | 853        | 0.3       | 2.0                      | <b>1.1</b>   | 0.06                | 0.12                | 502        | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 1679       | 0.6       | 3.9                      | <b>2.8</b>   | 0.23                | 0.32                | 428        | 0.2       | 0.9                      | <b>0.6</b>   | 0.05                | 0.07                | C09             |
| Other oropharynx             | 484        | 0.2       | 1.1                      | <b>0.8</b>   | 0.06                | 0.09                | 183        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                | 0.03                | C10             |
| Nasopharynx                  | 436        | 0.2       | 1.0                      | <b>0.7</b>   | 0.06                | 0.08                | 188        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C11             |
| Hypopharynx                  | 758        | 0.3       | 1.7                      | <b>1.1</b>   | 0.07                | 0.14                | 233        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | C12-13          |
| Pharynx unspecified          | 524        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                | 0.09                | 176        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                | 0.03                | C14             |
| Oesophagus                   | 4216       | 1.6       | 9.7                      | <b>5.7</b>   | 0.33                | 0.72                | 1218       | 0.5       | 2.7                      | <b>1.3</b>   | 0.07                | 0.16                | C15             |
| Stomach                      | 4281       | 1.6       | 9.9                      | <b>5.4</b>   | 0.28                | 0.64                | 2737       | 1.2       | 6.1                      | <b>2.8</b>   | 0.15                | 0.32                | C16             |
| Small intestine              | 1025       | 0.4       | 2.4                      | <b>1.4</b>   | 0.08                | 0.18                | 825        | 0.4       | 1.8                      | <b>0.9</b>   | 0.06                | 0.11                | C17             |
| Colon                        | 18461      | 6.9       | 42.5                     | <b>22.8</b>  | 1.13                | 2.71                | 18612      | 8.1       | 41.3                     | <b>18.1</b>  | 0.90                | 2.09                | C18             |
| Rectum                       | 7646       | 2.9       | 17.6                     | <b>10.6</b>  | 0.65                | 1.29                | 5733       | 2.5       | 12.7                     | <b>6.6</b>   | 0.42                | 0.76                | C19-20          |
| Anus                         | 727        | 0.3       | 1.7                      | <b>1.1</b>   | 0.08                | 0.12                | 1227       | 0.5       | 2.7                      | <b>1.6</b>   | 0.12                | 0.18                | C21             |
| Liver                        | 4718       | 1.8       | 10.9                     | <b>6.8</b>   | 0.48                | 0.81                | 1820       | 0.8       | 4.0                      | <b>2.0</b>   | 0.11                | 0.23                | C22             |
| Gallbladder etc.             | 1369       | 0.5       | 3.2                      | <b>1.6</b>   | 0.07                | 0.19                | 1520       | 0.7       | 3.4                      | <b>1.4</b>   | 0.07                | 0.16                | C23-24          |
| Pancreas                     | 6634       | 2.5       | 15.3                     | <b>8.3</b>   | 0.42                | 1.01                | 6252       | 2.7       | 13.9                     | <b>6.0</b>   | 0.29                | 0.70                | C25             |
| Nose, sinuses etc.           | 474        | 0.2       | 1.1                      | <b>0.7</b>   | 0.05                | 0.08                | 324        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 4172       | 1.6       | 9.6                      | <b>6.0</b>   | 0.39                | 0.77                | 929        | 0.4       | 2.1                      | <b>1.2</b>   | 0.08                | 0.15                | C32             |
| Trachea, bronchus and lung   | 43546      | 16.3      | 100.3                    | <b>55.2</b>  | 2.74                | 7.05                | 36038      | 15.7      | 79.9                     | <b>38.4</b>  | 1.98                | 4.89                | C33-34          |
| Other thoracic organs        | 222        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04                | 173        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 606        | 0.2       | 1.4                      | <b>1.2</b>   | 0.08                | 0.10                | 457        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                | 0.07                | C40-41          |
| Melanoma of skin             | 10873      | 4.1       | 25.0                     | <b>14.9</b>  | 0.89                | 1.69                | 7218       | 3.1       | 16.0                     | <b>10.1</b>  | 0.69                | 1.06                | C43             |
| Other skin                   | 841        | 0.3       | 1.9                      | <b>1.1</b>   | 0.05                | 0.11                | 527        | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.06                | C44             |
| Mesothelioma                 | 924        | 0.3       | 2.1                      | <b>1.0</b>   | 0.04                | 0.11                | 245        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 597        | 0.2       | 1.4                      | <b>1.1</b>   | 0.08                | 0.09                | 91         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C46             |
| Connective and soft tissue   | 1866       | 0.7       | 4.3                      | <b>2.8</b>   | 0.17                | 0.28                | 1494       | 0.7       | 3.3                      | <b>2.2</b>   | 0.14                | 0.22                | C47+C49         |
| Breast                       | 984        | 0.4       | 2.3                      | <b>1.3</b>   | 0.08                | 0.16                | 61208      | 26.7      | 135.8                    | <b>79.7</b>  | 5.63                | 9.25                | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 1297       | 0.6       | 2.9                      | <b>1.5</b>   | 0.10                | 0.17                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 363        | 0.2       | 0.8                      | <b>0.4</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 4441       | 1.9       | 9.9                      | <b>7.4</b>   | 0.59                | 0.72                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 11338      | 4.9       | 25.2                     | <b>14.5</b>  | 1.02                | 1.79                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 598        | 0.3       | 1.3                      | <b>0.7</b>   | 0.05                | 0.08                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 7438       | 3.2       | 16.5                     | <b>9.3</b>   | 0.62                | 1.07                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 338        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 41         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 405        | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                | 0.06                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 71625      | 26.9      | 164.9                    | <b>97.9</b>  | 5.01                | 13.70               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 2039       | 0.8       | 4.7                      | <b>4.4</b>   | 0.33                | 0.35                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 101        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 8657       | 3.2       | 19.9                     | <b>12.3</b>  | 0.75                | 1.51                | 5234       | 2.3       | 11.6                     | <b>6.5</b>   | 0.40                | 0.75                | C64             |
| Renal pelvis                 | 537        | 0.2       | 1.2                      | <b>0.6</b>   | 0.03                | 0.08                | 382        | 0.2       | 0.8                      | <b>0.3</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 381        | 0.1       | 0.9                      | <b>0.4</b>   | 0.01                | 0.05                | 216        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C66             |
| Bladder                      | 18749      | 7.0       | 43.2                     | <b>21.4</b>  | 0.86                | 2.57                | 6056       | 2.6       | 13.4                     | <b>5.7</b>   | 0.26                | 0.68                | C67             |
| Other urinary organs         | 149        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 71         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C68             |
| Eye                          | 482        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.08                | 453        | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.07                | C69             |
| Brain, nervous system        | 3681       | 1.4       | 8.5                      | <b>6.4</b>   | 0.40                | 0.62                | 2964       | 1.3       | 6.6                      | <b>4.8</b>   | 0.29                | 0.44                | C70-72          |
| Thyroid                      | 2178       | 0.8       | 5.0                      | <b>3.6</b>   | 0.26                | 0.39                | 6521       | 2.8       | 14.5                     | <b>11.2</b>  | 0.86                | 1.09                | C73             |
| Adrenal gland                | 124        | 0.0       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 140        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 83         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 67         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 1339       | 0.5       | 3.1                      | <b>2.6</b>   | 0.18                | 0.23                | 1055       | 0.5       | 2.3                      | <b>2.2</b>   | 0.15                | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 10545      | 4.0       | 24.3                     | <b>14.7</b>  | 0.86                | 1.63                | 8969       | 3.9       | 19.9                     | <b>10.4</b>  | 0.59                | 1.17                | C82-85,C96      |
| Immunoproliferative diseases | 203        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.03                | 140        | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 3162       | 1.2       | 7.3                      | <b>4.0</b>   | 0.22                | 0.48                | 2617       | 1.1       | 5.8                      | <b>2.8</b>   | 0.15                | 0.34                | C90             |
| Lymphoid leukaemia           | 3614       | 1.4       | 8.3                      | <b>5.5</b>   | 0.28                | 0.53                | 2546       | 1.1       | 5.6                      | <b>3.2</b>   | 0.16                | 0.29                | C91             |
| Myeloid leukaemia            | 3239       | 1.2       | 7.5                      | <b>4.5</b>   | 0.24                | 0.47                | 2496       | 1.1       | 5.5                      | <b>3.1</b>   | 0.18                | 0.31                | C92-94          |
| Leukaemia unspecified        | 364        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                | 0.04                | 285        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C95             |
| Myeloproliferative disorders | 1497       | 0.6       | 3.4                      | <b>2.0</b>   | 0.12                | 0.22                | 1422       | 0.6       | 3.2                      | <b>1.5</b>   | 0.08                | 0.16                | MPD             |
| Myelodysplastic syndromes    | 3406       | 1.3       | 7.8                      | <b>3.4</b>   | 0.09                | 0.35                | 2779       | 1.2       | 6.2                      | <b>2.2</b>   | 0.07                | 0.23                | MDS             |
| Other and unspecified        | 7227       | 2.7       | 16.6                     | <b>9.4</b>   | 0.53                | 1.10                | 7052       | 3.1       | 15.6                     | <b>7.0</b>   | 0.37                | 0.79                | O&U             |
| All sites                    | 267238     |           | 615.4                    | <b>359.4</b> | 19.44               | 44.38               | 229858     |           | 509.9                    | <b>276.7</b> | 17.30               | 31.66               | C00-96          |
| All sites except C44         | 266397     | 100.0     | 613.5                    | <b>358.3</b> | 19.38               | 44.27               | 229331     | 100.0     | 508.7                    | <b>276.0</b> | 17.26               | 31.60               | C00-96 exc. C44 |

§Includes 6 cases of unknown age

§Includes 3 cases of unknown age

## USA, Florida: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 7         | 0.6       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.08      | 9         | 0.6                      | 0.8       | <b>0.7</b>               | 0.05   | 0.08  | C01-02          |
| Mouth                        | 7         | 0.6       | 0.7                      | <b>0.6</b>   | 0.06                     | 0.06      | 6         | 0.4                      | 0.5       | <b>0.4</b>               | 0.03   | 0.06  | C03-06          |
| Salivary glands              | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.05      | 3         | 0.2                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C07-08          |
| Tonsil                       | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 4         | 0.3                      | 0.4       | <b>0.3</b>               | 0.03   | 0.04  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 18        | 1.6       | 1.8                      | <b>1.5</b>   | 0.11                     | 0.13      | 9         | 0.6                      | 0.8       | <b>0.7</b>               | 0.04   | 0.06  | C11             |
| Hypopharynx                  | 3         | 0.3       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 3         | 0.3       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C14             |
| Oesophagus                   | 19        | 1.6       | 1.9                      | <b>1.9</b>   | 0.07                     | 0.29      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C15             |
| Stomach                      | 35        | 3.0       | 3.4                      | <b>3.4</b>   | 0.15                     | 0.48      | 39        | 2.5                      | 3.4       | <b>2.7</b>               | 0.14   | 0.31  | C16             |
| Small intestine              | 4         | 0.3       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.07      | 3         | 0.2                      | 0.3       | <b>0.2</b>               | 0.01   | 0.05  | C17             |
| Colon                        | 102       | 8.8       | 10.0                     | <b>9.5</b>   | 0.47                     | 1.14      | 96        | 6.1                      | 8.4       | <b>6.9</b>               | 0.40   | 0.86  | C18             |
| Rectum                       | 62        | 5.3       | 6.1                      | <b>5.8</b>   | 0.30                     | 0.69      | 57        | 3.6                      | 5.0       | <b>4.1</b>               | 0.27   | 0.51  | C19-20          |
| Anus                         | 6         | 0.5       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.03      | 4         | 0.3                      | 0.4       | <b>0.3</b>               | 0.02   | 0.06  | C21             |
| Liver                        | 104       | 9.0       | 10.2                     | <b>9.6</b>   | 0.65                     | 1.23      | 45        | 2.8                      | 3.9       | <b>3.3</b>               | 0.16   | 0.41  | C22             |
| Gallbladder etc.             | 9         | 0.8       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.10      | 19        | 1.2                      | 1.7       | <b>1.3</b>               | 0.05   | 0.16  | C23-24          |
| Pancreas                     | 24        | 2.1       | 2.4                      | <b>2.4</b>   | 0.09                     | 0.37      | 42        | 2.7                      | 3.7       | <b>2.9</b>               | 0.17   | 0.35  | C25             |
| Nose, sinuses etc.           | 6         | 0.5       | 0.6                      | <b>0.5</b>   | 0.05                     | 0.05      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 10        | 0.9       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.11      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C32             |
| Trachea, bronchus and lung   | 144       | 12.4      | 14.2                     | <b>13.7</b>  | 0.59                     | 1.63      | 197       | 12.5                     | 17.3      | <b>14.2</b>              | 0.58   | 1.90  | C33-34          |
| Other thoracic organs        | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 3         | 0.2                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 4         | 0.3       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.03      | 3         | 0.2                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C40-41          |
| Melanoma of skin             | 13        | 1.1       | 1.3                      | <b>1.2</b>   | 0.07                     | 0.14      | 13        | 0.8                      | 1.1       | <b>1.0</b>               | 0.08   | 0.11  | C43             |
| Other skin                   | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 3         | 0.3                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C44             |
| Mesothelioma                 | 3         | 0.3       | 0.3                      | <b>0.3</b>   | 0.00                     | 0.03      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C45             |
| Kaposi sarcoma               | 4         | 0.3       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 21        | 1.8       | 2.1                      | <b>2.1</b>   | 0.11                     | 0.26      | 10        | 0.6                      | 0.9       | <b>0.8</b>               | 0.06   | 0.07  | C47+C49         |
| Breast                       | 10        | 0.9       | 1.0                      | <b>0.8</b>   | 0.05                     | 0.05      | 439       | 27.8                     | 38.5      | <b>30.5</b>              | 2.19   | 3.52  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 5         | 0.3                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 56        | 3.5                      | 4.9       | <b>3.8</b>               | 0.28   | 0.45  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 91        | 5.8                      | 8.0       | <b>6.3</b>               | 0.49   | 0.70  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 3         | 0.2                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 60        | 3.8                      | 5.3       | <b>4.3</b>               | 0.31   | 0.50  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 3         | 0.2                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 244       | 21.1      | 24.0                     | <b>24.2</b>  | 1.03                     | 3.39      |           |                          |           |                          |        |       | C61             |
| Testis                       | 7         | 0.6       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.03      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 39        | 3.4       | 3.8                      | <b>3.4</b>   | 0.23                     | 0.34      | 20        | 1.3                      | 1.8       | <b>1.3</b>               | 0.10   | 0.14  | C64             |
| Renal pelvis                 | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C66             |
| Bladder                      | 34        | 2.9       | 3.3                      | <b>3.2</b>   | 0.15                     | 0.35      | 24        | 1.5                      | 2.1       | <b>1.8</b>               | 0.09   | 0.22  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 2         | 0.2       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.02      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 25        | 2.2       | 2.5                      | <b>2.3</b>   | 0.12                     | 0.24      | 15        | 0.9                      | 1.3       | <b>1.4</b>               | 0.06   | 0.11  | C70-72          |
| Thyroid                      | 24        | 2.1       | 2.4                      | <b>2.0</b>   | 0.14                     | 0.25      | 123       | 7.8                      | 10.8      | <b>8.5</b>               | 0.70   | 0.89  | C73             |
| Adrenal gland                | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.03      | 4         | 0.3                      | 0.4       | <b>0.5</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 8         | 0.7       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.07      | 6         | 0.4                      | 0.5       | <b>0.4</b>               | 0.04   | 0.04  | C81             |
| Non-Hodgkin lymphoma         | 43        | 3.7       | 4.2                      | <b>4.1</b>   | 0.22                     | 0.45      | 47        | 3.0                      | 4.1       | <b>3.4</b>               | 0.18   | 0.37  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 21        | 1.8       | 2.1                      | <b>2.0</b>   | 0.12                     | 0.24      | 21        | 1.3                      | 1.8       | <b>1.6</b>               | 0.09   | 0.21  | C90             |
| Lymphoid leukaemia           | 12        | 1.0       | 1.2                      | <b>1.4</b>   | 0.09                     | 0.11      | 11        | 0.7                      | 1.0       | <b>1.0</b>               | 0.04   | 0.08  | C91             |
| Myeloid leukaemia            | 20        | 1.7       | 2.0                      | <b>1.9</b>   | 0.10                     | 0.19      | 18        | 1.1                      | 1.6       | <b>1.4</b>               | 0.08   | 0.17  | C92-94          |
| Leukaemia unspecified        | 2         | 0.2       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 3         | 0.3       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 5         | 0.3                      | 0.4       | <b>0.4</b>               | 0.03   | 0.04  | MPD             |
| Myelodysplastic syndromes    | 16        | 1.4       | 1.6                      | <b>1.6</b>   | 0.06                     | 0.17      | 6         | 0.4                      | 0.5       | <b>0.3</b>               | 0.00   | 0.02  | MDS             |
| Other and unspecified        | 31        | 2.7       | 3.1                      | <b>3.0</b>   | 0.20                     | 0.38      | 45        | 2.8                      | 3.9       | <b>3.3</b>               | 0.18   | 0.39  | O&U             |
| All sites                    | 1160      |           | 114.2                    | <b>110.0</b> | 5.65                     | 13.41     | 1583      |                          | 138.7     | <b>113.1</b>             | 7.12   | 13.21 | C00-96          |
| All sites except C44         | 1159      | 100.0     | 114.1                    | <b>109.9</b> | 5.64                     | 13.40     | 1580      | 100.0                    | 138.4     | <b>112.9</b>             | 7.11   | 13.18 | C00-96 exc. C44 |

## USA, Florida: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 3         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 154       | 0.6       | 2.3                      | <b>2.4</b>   | 0.17                     | 0.29      | 66        | 0.3                      | 0.9       | <b>0.8</b>               | 0.07   | 0.10  | C01-02          |
| Mouth                        | 146       | 0.6       | 2.1                      | <b>2.3</b>   | 0.16                     | 0.29      | 87        | 0.4                      | 1.2       | <b>1.0</b>               | 0.07   | 0.11  | C03-06          |
| Salivary glands              | 61        | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.11      | 52        | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 119       | 0.5       | 1.7                      | <b>1.8</b>   | 0.16                     | 0.21      | 36        | 0.2                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 54        | 0.2       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.10      | 21        | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 64        | 0.3       | 0.9                      | <b>1.0</b>   | 0.08                     | 0.10      | 30        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 87        | 0.4       | 1.3                      | <b>1.4</b>   | 0.08                     | 0.21      | 28        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.05  | C12-13          |
| Pharynx unspecified          | 55        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.11      | 24        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.04  | C14             |
| Oesophagus                   | 354       | 1.4       | 5.2                      | <b>5.7</b>   | 0.35                     | 0.76      | 163       | 0.8                      | 2.2       | <b>1.9</b>               | 0.10   | 0.23  | C15             |
| Stomach                      | 619       | 2.5       | 9.1                      | <b>9.6</b>   | 0.48                     | 1.14      | 499       | 2.4                      | 6.8       | <b>5.4</b>               | 0.26   | 0.60  | C16             |
| Small intestine              | 130       | 0.5       | 1.9                      | <b>2.0</b>   | 0.11                     | 0.22      | 99        | 0.5                      | 1.4       | <b>1.2</b>               | 0.07   | 0.15  | C17             |
| Colon                        | 1739      | 7.1       | 25.5                     | <b>27.2</b>  | 1.45                     | 3.24      | 2011      | 9.6                      | 27.5      | <b>23.0</b>              | 1.29   | 2.70  | C18             |
| Rectum                       | 607       | 2.5       | 8.9                      | <b>9.4</b>   | 0.58                     | 1.14      | 509       | 2.4                      | 7.0       | <b>5.9</b>               | 0.39   | 0.67  | C19-20          |
| Anus                         | 66        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.09      | 83        | 0.4                      | 1.1       | <b>1.0</b>               | 0.07   | 0.11  | C21             |
| Liver                        | 574       | 2.3       | 8.4                      | <b>8.7</b>   | 0.68                     | 1.00      | 217       | 1.0                      | 3.0       | <b>2.5</b>               | 0.14   | 0.28  | C22             |
| Gallbladder etc.             | 100       | 0.4       | 1.5                      | <b>1.7</b>   | 0.07                     | 0.23      | 178       | 0.9                      | 2.4       | <b>2.0</b>               | 0.11   | 0.23  | C23-24          |
| Pancreas                     | 598       | 2.4       | 8.8                      | <b>9.4</b>   | 0.50                     | 1.16      | 639       | 3.1                      | 8.7       | <b>7.2</b>               | 0.33   | 0.87  | C25             |
| Nose, sinuses etc.           | 49        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.09      | 36        | 0.2                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 488       | 2.0       | 7.1                      | <b>7.9</b>   | 0.48                     | 1.01      | 71        | 0.3                      | 1.0       | <b>0.9</b>               | 0.07   | 0.11  | C32             |
| Trachea, bronchus and lung   | 3639      | 14.9      | 53.3                     | <b>57.6</b>  | 3.01                     | 7.28      | 2170      | 10.4                     | 29.6      | <b>25.8</b>              | 1.43   | 3.25  | C33-34          |
| Other thoracic organs        | 19        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 40        | 0.2                      | 0.5       | <b>0.5</b>               | 0.03   | 0.06  | C37-38          |
| Bone                         | 67        | 0.3       | 1.0                      | <b>1.0</b>   | 0.05                     | 0.08      | 62        | 0.3                      | 0.8       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 41        | 0.2       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.07      | 66        | 0.3                      | 0.9       | <b>0.7</b>               | 0.04   | 0.08  | C43             |
| Other skin                   | 48        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.06      | 55        | 0.3                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C44             |
| Mesothelioma                 | 33        | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.07      | 15        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 138       | 0.6       | 2.0                      | <b>1.8</b>   | 0.14                     | 0.17      | 41        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C46             |
| Connective and soft tissue   | 177       | 0.7       | 2.6                      | <b>2.6</b>   | 0.16                     | 0.24      | 185       | 0.9                      | 2.5       | <b>2.4</b>               | 0.16   | 0.26  | C47+C49         |
| Breast                       | 91        | 0.4       | 1.3                      | <b>1.4</b>   | 0.09                     | 0.15      | 5930      | 28.4                     | 81.0      | <b>71.3</b>              | 5.17   | 8.10  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 91        | 0.4                      | 1.2       | <b>1.0</b>               | 0.07   | 0.10  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 62        | 0.3                      | 0.8       | <b>0.7</b>               | 0.03   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 760       | 3.6                      | 10.4      | <b>9.1</b>               | 0.67   | 0.96  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 1188      | 5.7                      | 16.2      | <b>14.8</b>              | 0.90   | 1.94  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 113       | 0.5                      | 1.5       | <b>1.4</b>               | 0.09   | 0.17  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 588       | 2.8                      | 8.0       | <b>7.0</b>               | 0.44   | 0.79  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 36        | 0.2                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 19        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C58             |
| Penis                        | 60        | 0.2       | 0.9                      | <b>1.0</b>   | 0.07                     | 0.11      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 9286      | 37.9      | 136.0                    | <b>152.7</b> | 8.35                     | 20.81     |           |                          |           |                          |        |       | C61             |
| Testis                       | 72        | 0.3       | 1.1                      | <b>1.0</b>   | 0.07                     | 0.07      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 9         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 746       | 3.0       | 10.9                     | <b>11.6</b>  | 0.71                     | 1.43      | 511       | 2.4                      | 7.0       | <b>6.2</b>               | 0.37   | 0.71  | C64             |
| Renal pelvis                 | 24        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 562       | 2.3       | 8.2                      | <b>8.6</b>   | 0.38                     | 0.93      | 300       | 1.4                      | 4.1       | <b>3.2</b>               | 0.12   | 0.35  | C67             |
| Other urinary organs         | 15        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 11        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 24        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 27        | 0.1                      | 0.4       | <b>0.5</b>               | 0.02   | 0.03  | C69             |
| Brain, nervous system        | 278       | 1.1       | 4.1                      | <b>4.2</b>   | 0.26                     | 0.39      | 252       | 1.2                      | 3.4       | <b>3.4</b>               | 0.21   | 0.29  | C70-72          |
| Thyroid                      | 102       | 0.4       | 1.5                      | <b>1.5</b>   | 0.10                     | 0.19      | 575       | 2.8                      | 7.9       | <b>7.0</b>               | 0.54   | 0.71  | C73             |
| Adrenal gland                | 21        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 22        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 17        | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 17        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 185       | 0.8       | 2.7                      | <b>2.6</b>   | 0.19                     | 0.24      | 130       | 0.6                      | 1.8       | <b>1.7</b>               | 0.12   | 0.14  | C81             |
| Non-Hodgkin lymphoma         | 858       | 3.5       | 12.6                     | <b>12.6</b>  | 0.91                     | 1.35      | 768       | 3.7                      | 10.5      | <b>9.1</b>               | 0.60   | 0.96  | C82-85,C96      |
| Immunoproliferative diseases | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 516       | 2.1       | 7.6                      | <b>8.0</b>   | 0.43                     | 0.99      | 534       | 2.6                      | 7.3       | <b>6.3</b>               | 0.38   | 0.76  | C90             |
| Lymphoid leukaemia           | 243       | 1.0       | 3.6                      | <b>3.8</b>   | 0.18                     | 0.38      | 196       | 0.9                      | 2.7       | <b>2.5</b>               | 0.13   | 0.24  | C91             |
| Myeloid leukaemia            | 258       | 1.1       | 3.8                      | <b>3.9</b>   | 0.22                     | 0.43      | 258       | 1.2                      | 3.5       | <b>3.0</b>               | 0.18   | 0.31  | C92-94          |
| Leukaemia unspecified        | 19        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.02      | 33        | 0.2                      | 0.5       | <b>0.4</b>               | 0.01   | 0.04  | C95             |
| Myeloproliferative disorders | 109       | 0.4       | 1.6                      | <b>1.6</b>   | 0.08                     | 0.17      | 127       | 0.6                      | 1.7       | <b>1.4</b>               | 0.09   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 135       | 0.6       | 2.0                      | <b>2.1</b>   | 0.09                     | 0.23      | 172       | 0.8                      | 2.3       | <b>1.7</b>               | 0.07   | 0.18  | MDS             |
| Other and unspecified        | 677       | 2.8       | 9.9                      | <b>10.5</b>  | 0.63                     | 1.23      | 734       | 3.5                      | 10.0      | <b>8.3</b>               | 0.43   | 0.92  | O&U             |
| All sites                    | 24546     |           | 359.5                    | <b>388.9</b> | 21.98                    | 48.80     | 20962     |                          | 286.3     | <b>248.9</b>             | 15.69  | 28.37 | C00-96          |
| All sites except C44         | 24498     | 100.0     | 358.8                    | <b>388.2</b> | 21.94                    | 48.74     | 20907     | 100.0                    | 285.5     | <b>248.2</b>             | 15.64  | 28.31 | C00-96 exc. C44 |

## USA, Florida: White (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 382        | 0.2       | 1.1                      | <b>0.6</b>   | 0.04                     | 0.07       | 148       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 2427       | 1.0       | 6.9                      | <b>4.3</b>   | 0.32                     | 0.52       | 964       | 0.5                      | 2.6       | <b>1.4</b>               | 0.09   | 0.17  | C01-02          |
| Mouth                        | 1348       | 0.6       | 3.8                      | <b>2.2</b>   | 0.16                     | 0.26       | 859       | 0.4                      | 2.4       | <b>1.1</b>               | 0.07   | 0.13  | C03-06          |
| Salivary glands              | 779        | 0.3       | 2.2                      | <b>1.1</b>   | 0.06                     | 0.13       | 443       | 0.2                      | 1.2       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 1542       | 0.7       | 4.4                      | <b>2.9</b>   | 0.25                     | 0.34       | 383       | 0.2                      | 1.1       | <b>0.6</b>               | 0.05   | 0.07  | C09             |
| Other oropharynx             | 420        | 0.2       | 1.2                      | <b>0.8</b>   | 0.06                     | 0.09       | 159       | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C10             |
| Nasopharynx                  | 340        | 0.1       | 1.0                      | <b>0.6</b>   | 0.05                     | 0.07       | 147       | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 663        | 0.3       | 1.9                      | <b>1.1</b>   | 0.07                     | 0.14       | 204       | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C12-13          |
| Pharynx unspecified          | 464        | 0.2       | 1.3                      | <b>0.8</b>   | 0.05                     | 0.09       | 150       | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.02  | C14             |
| Oesophagus                   | 3795       | 1.6       | 10.7                     | <b>5.7</b>   | 0.33                     | 0.71       | 1041      | 0.5                      | 2.9       | <b>1.2</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 3551       | 1.5       | 10.0                     | <b>4.9</b>   | 0.25                     | 0.57       | 2143      | 1.1                      | 5.9       | <b>2.5</b>               | 0.14   | 0.28  | C16             |
| Small intestine              | 876        | 0.4       | 2.5                      | <b>1.4</b>   | 0.08                     | 0.17       | 717       | 0.4                      | 2.0       | <b>0.9</b>               | 0.06   | 0.10  | C17             |
| Colon                        | 16379      | 6.9       | 46.3                     | <b>22.2</b>  | 1.08                     | 2.64       | 16248     | 8.0                      | 44.6      | <b>17.4</b>              | 0.84   | 2.00  | C18             |
| Rectum                       | 6873       | 2.9       | 19.4                     | <b>10.7</b>  | 0.66                     | 1.30       | 5081      | 2.5                      | 14.0      | <b>6.6</b>               | 0.42   | 0.77  | C19-20          |
| Anus                         | 646        | 0.3       | 1.8                      | <b>1.1</b>   | 0.08                     | 0.12       | 1132      | 0.6                      | 3.1       | <b>1.7</b>               | 0.13   | 0.20  | C21             |
| Liver                        | 3974       | 1.7       | 11.2                     | <b>6.4</b>   | 0.44                     | 0.76       | 1527      | 0.7                      | 4.2       | <b>1.9</b>               | 0.11   | 0.21  | C22             |
| Gallbladder etc.             | 1237       | 0.5       | 3.5                      | <b>1.6</b>   | 0.07                     | 0.19       | 1288      | 0.6                      | 3.5       | <b>1.3</b>               | 0.06   | 0.15  | C23-24          |
| Pancreas                     | 5926       | 2.5       | 16.8                     | <b>8.2</b>   | 0.41                     | 0.99       | 5490      | 2.7                      | 15.1      | <b>5.8</b>               | 0.28   | 0.68  | C25             |
| Nose, sinuses etc.           | 412        | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                     | 0.08       | 281       | 0.1                      | 0.8       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 3620       | 1.5       | 10.2                     | <b>5.8</b>   | 0.38                     | 0.75       | 846       | 0.4                      | 2.3       | <b>1.2</b>               | 0.08   | 0.15  | C32             |
| Trachea, bronchus and lung   | 39448      | 16.7      | 111.6                    | <b>55.3</b>  | 2.73                     | 7.08       | 33405     | 16.4                     | 91.8      | <b>40.0</b>              | 2.08   | 5.11  | C33-34          |
| Other thoracic organs        | 193        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04       | 129       | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 520        | 0.2       | 1.5                      | <b>1.3</b>   | 0.08                     | 0.11       | 382       | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 10488      | 4.4       | 29.7                     | <b>16.5</b>  | 1.00                     | 1.86       | 6913      | 3.4                      | 19.0      | <b>11.6</b>              | 0.80   | 1.20  | C43             |
| Other skin                   | 775        | 0.3       | 2.2                      | <b>1.1</b>   | 0.05                     | 0.11       | 456       | 0.2                      | 1.3       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 882        | 0.4       | 2.5                      | <b>1.0</b>   | 0.04                     | 0.12       | 226       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 446        | 0.2       | 1.3                      | <b>0.9</b>   | 0.07                     | 0.08       | 49        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 1646       | 0.7       | 4.7                      | <b>2.9</b>   | 0.17                     | 0.28       | 1273      | 0.6                      | 3.5       | <b>2.2</b>               | 0.14   | 0.22  | C47+C49         |
| Breast                       | 866        | 0.4       | 2.4                      | <b>1.3</b>   | 0.08                     | 0.16       | 53982     | 26.5                     | 148.3     | <b>80.9</b>              | 5.72   | 9.40  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 1190      | 0.6                      | 3.3       | <b>1.6</b>               | 0.11   | 0.18  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 290       | 0.1                      | 0.8       | <b>0.4</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 3549      | 1.7                      | 9.7       | <b>7.2</b>               | 0.59   | 0.70  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 9904      | 4.9                      | 27.2      | <b>14.6</b>              | 1.04   | 1.78  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 471       | 0.2                      | 1.3       | <b>0.6</b>               | 0.04   | 0.07  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 6695      | 3.3                      | 18.4      | <b>9.7</b>               | 0.65   | 1.11  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 293       | 0.1                      | 0.8       | <b>0.4</b>               | 0.02   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 22        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 336        | 0.1       | 1.0                      | <b>0.5</b>   | 0.03                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 60598      | 25.6      | 171.4                    | <b>91.4</b>  | 4.56                     | 12.84      |           |                          |           |                          |        |       | C61             |
| Testis                       | 1903       | 0.8       | 5.4                      | <b>5.2</b>   | 0.39                     | 0.40       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 87         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 7775       | 3.3       | 22.0                     | <b>12.5</b>  | 0.76                     | 1.52       | 4648      | 2.3                      | 12.8      | <b>6.6</b>               | 0.40   | 0.76  | C64             |
| Renal pelvis                 | 505        | 0.2       | 1.4                      | <b>0.7</b>   | 0.03                     | 0.08       | 369       | 0.2                      | 1.0       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 375        | 0.2       | 1.1                      | <b>0.4</b>   | 0.01                     | 0.05       | 209       | 0.1                      | 0.6       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 17787      | 7.5       | 50.3                     | <b>22.5</b>  | 0.92                     | 2.72       | 5624      | 2.8                      | 15.4      | <b>6.0</b>               | 0.28   | 0.71  | C67             |
| Other urinary organs         | 132        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.02       | 59        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 444        | 0.2       | 1.3                      | <b>0.8</b>   | 0.05                     | 0.08       | 421       | 0.2                      | 1.2       | <b>0.7</b>               | 0.04   | 0.07  | C69             |
| Brain, nervous system        | 3300       | 1.4       | 9.3                      | <b>6.7</b>   | 0.42                     | 0.65       | 2646      | 1.3                      | 7.3       | <b>5.0</b>               | 0.31   | 0.46  | C70-72          |
| Thyroid                      | 2009       | 0.8       | 5.7                      | <b>3.8</b>   | 0.28                     | 0.41       | 5666      | 2.8                      | 15.6      | <b>11.9</b>              | 0.91   | 1.14  | C73             |
| Adrenal gland                | 101        | 0.0       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 112       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 65         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 48        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 1127       | 0.5       | 3.2                      | <b>2.7</b>   | 0.19                     | 0.23       | 898       | 0.4                      | 2.5       | <b>2.3</b>               | 0.16   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 9490       | 4.0       | 26.8                     | <b>14.7</b>  | 0.85                     | 1.65       | 8014      | 3.9                      | 22.0      | <b>10.4</b>              | 0.59   | 1.18  | C82-85,C96      |
| Immunoproliferative diseases | 193        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                     | 0.03       | 133       | 0.1                      | 0.4       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 2580       | 1.1       | 7.3                      | <b>3.5</b>   | 0.19                     | 0.42       | 2028      | 1.0                      | 5.6       | <b>2.3</b>               | 0.11   | 0.29  | C90             |
| Lymphoid leukaemia           | 3304       | 1.4       | 9.3                      | <b>5.8</b>   | 0.29                     | 0.56       | 2309      | 1.1                      | 6.3       | <b>3.4</b>               | 0.17   | 0.30  | C91             |
| Myeloid leukaemia            | 2910       | 1.2       | 8.2                      | <b>4.5</b>   | 0.24                     | 0.48       | 2189      | 1.1                      | 6.0       | <b>3.1</b>               | 0.19   | 0.32  | C92-94          |
| Leukaemia unspecified        | 338        | 0.1       | 1.0                      | <b>0.5</b>   | 0.02                     | 0.04       | 246       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 1353       | 0.6       | 3.8                      | <b>2.1</b>   | 0.13                     | 0.22       | 1266      | 0.6                      | 3.5       | <b>1.5</b>               | 0.08   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 3219       | 1.4       | 9.1                      | <b>3.4</b>   | 0.09                     | 0.36       | 2574      | 1.3                      | 7.1       | <b>2.2</b>               | 0.07   | 0.24  | MDS             |
| Other and unspecified        | 6424       | 2.7       | 18.2                     | <b>9.3</b>   | 0.52                     | 1.09       | 6191      | 3.0                      | 17.0      | <b>6.8</b>               | 0.36   | 0.78  | O&U             |
| All sites                    | 237273     |           | 671.3                    | <b>355.7</b> | 19.16                    | 43.81      | 204130    |                          | 560.7     | <b>281.0</b>             | 17.62  | 32.13 | C00-96          |
| All sites except C44         | 236498     | 100.0     | 669.1                    | <b>354.6</b> | 19.11                    | 43.70      | 203674    | 100.0                    | 559.5     | <b>280.4</b>             | 17.58  | 32.06 | C00-96 exc. C44 |

§Includes 5 cases of unknown age

§Includes 3 cases of unknown age



# USA, Georgia

## REGISTRATION AREA

The Georgia Comprehensive Cancer Registry (GCCR) is a population-based registry covering the entire state of Georgia in the USA. In 2005, Georgia's population was estimated at 9.1 million. At the time of this estimate, 60% of residents were White, 30% were African-American, 3% were Asian, and the rest were of other races. Georgia's Hispanic population was estimated at 9%. Most Georgians (80%) live in urban areas.

## CANCER CARE FACILITIES

All 139 hospitals in Georgia report cancer data to the GCCR, as do most pathology laboratories, radiation facilities, and oncology treatment centres.

## REGISTRY STRUCTURE AND METHODS

The GCCR is located within the Georgia Department of Public Health, in the state capital of Atlanta. The registry is funded by the state and the federal government. Since 1995, the GCCR has participated in the National Program of Cancer Registries (NPCR), established by the United States Centers for Disease Control and Prevention (CDC). The GCCR employs four cancer registrars, two epidemiologists, and a data manager for data collection and analysis. It contracts with the Georgia Center for Cancer Statistics (GCCS) for data management. Reporting facilities submit automated data to the GCCR on a monthly basis. Annually, the GCCR conducts data linkages with the Georgia Discharge Database System to identify missed cases. It also conducts linkages with both the state mortality file and the National Death Index, and conducts active follow-up. GCCR cancer coordinators conduct case-finding and re-abstracting audits on a sample of hospitals yearly. All health care facilities that provide diagnostic evaluations and/or treatment for cancer patients are required to report cancer cases within their patient populations to the GCCR. The registry also maintains reporting agreements with neighbouring states so that Georgia residents who are diagnosed or treated in out-of-state facilities can be identified.

## INTERPRETING THE RESULTS

Cervical cancer screening (for women aged 21–64 years) started in 1960, and breast cancer screening

(for women aged 40–64 years) started in 1993. Coverage is low, at about 15%.

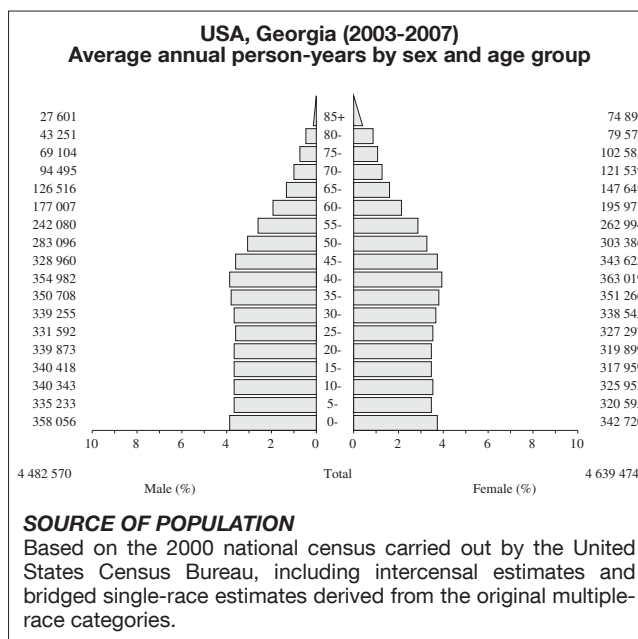
## USE OF THE DATA

The GCCR prepares cancer incidence and mortality reports highlighting trends and changes. It also prepares special reports on breast, cervical, colorectal, lung, prostate, and childhood cancers. Cancer incidence and mortality analyses are available from <http://dph.georgia.gov/georgia-comprehensive-cancer-registry>. Cancer data are analysed to meet the needs of the Georgia Comprehensive Cancer Control Program. The registry also provides researchers with cancer data, responds to data requests, and investigates cancer clusters.

## CONTRIBUTORS

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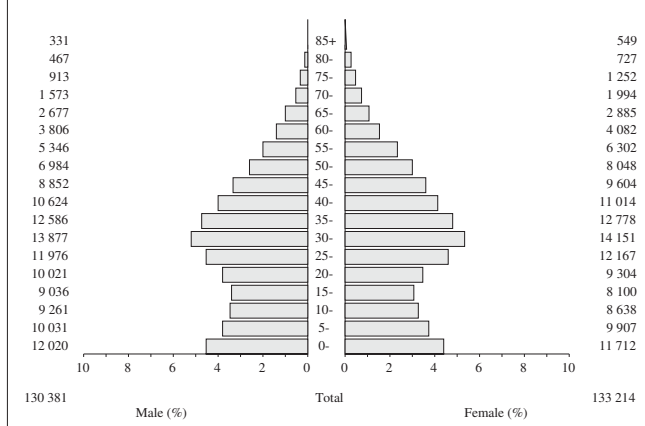
Chrissy McNamara  
Betty Gentry  
Judy Andrews



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 112.7 | Breast                     | 84.6  |
| Trachea, bronchus and lung | 62.7  | Trachea, bronchus and lung | 35.6  |
| Colon                      | 25.1  | Colon                      | 19.1  |
| Bladder                    | 19.0  | Corpus uteri               | 12.9  |
| Melanoma of skin           | 18.0  | Melanoma of skin           | 12.2  |
| Non-Hodgkin lymphoma       | 14.4  | Thyroid                    | 10.2  |
| Kidney                     | 12.5  | Non-Hodgkin lymphoma       | 9.6   |
| Rectum                     | 11.6  | Ovary                      | 9.0   |
| Pancreas                   | 8.2   | Rectum                     | 7.1   |
| Other and unspecified      | 7.7   | Kidney                     | 6.8   |
| All sites                  | 377.5 | All sites                  | 274.0 |

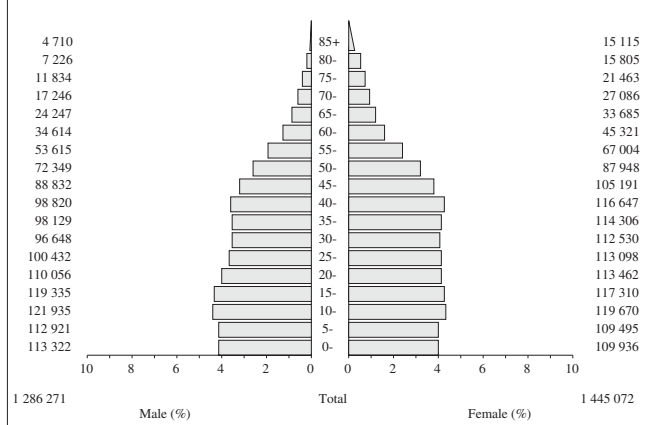
**USA, Georgia: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, GEORGIA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 31.2  | Breast                     | 39.4  |
| Trachea, bronchus and lung | 17.4  | Trachea, bronchus and lung | 11.8  |
| Liver                      | 12.1  | Thyroid                    | 10.2  |
| Colon                      | 10.9  | Colon                      | 10.1  |
| Stomach                    | 8.9   | Stomach                    | 6.4   |
| Bladder                    | 6.9   | Rectum                     | 5.5   |
| Rectum                     | 6.8   | Cervix uteri               | 5.0   |
| Non-Hodgkin lymphoma       | 5.5   | Liver                      | 4.8   |
| Other and unspecified      | 4.0   | Ovary                      | 4.5   |
| Pancreas                   | 3.6   | Corpus uteri               | 4.3   |
| All sites                  | 135.6 | All sites                  | 134.6 |

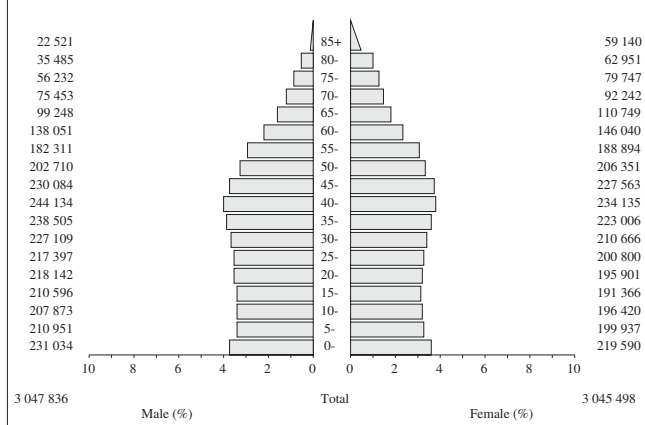
**USA, Georgia: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, GEORGIA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 179.3 | Breast                     | 84.2  |
| Trachea, bronchus and lung | 67.6  | Trachea, bronchus and lung | 28.6  |
| Colon                      | 33.4  | Colon                      | 25.6  |
| Kidney                     | 14.1  | Corpus uteri               | 12.8  |
| Non-Hodgkin lymphoma       | 13.0  | Pancreas                   | 8.0   |
| Rectum                     | 11.6  | Rectum                     | 8.0   |
| Pancreas                   | 10.7  | Cervix uteri               | 7.8   |
| Stomach                    | 10.6  | Non-Hodgkin lymphoma       | 7.4   |
| Bladder                    | 10.2  | Ovary                      | 7.3   |
| Other and unspecified      | 9.1   | Kidney                     | 7.2   |
| All sites                  | 443.1 | All sites                  | 261.9 |

**USA, Georgia: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, GEORGIA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 96.1  | Breast                     | 85.3  |
| Trachea, bronchus and lung | 62.3  | Trachea, bronchus and lung | 38.5  |
| Melanoma of skin           | 23.3  | Melanoma of skin           | 17.1  |
| Colon                      | 23.1  | Colon                      | 17.0  |
| Bladder                    | 21.5  | Corpus uteri               | 13.3  |
| Non-Hodgkin lymphoma       | 14.7  | Thyroid                    | 11.8  |
| Kidney                     | 12.3  | Non-Hodgkin lymphoma       | 10.3  |
| Rectum                     | 11.6  | Ovary                      | 9.5   |
| Pancreas                   | 7.6   | Kidney                     | 6.8   |
| Other and unspecified      | 7.5   | Rectum                     | 6.7   |
| All sites                  | 364.7 | All sites                  | 281.5 |

## USA, Georgia (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 137       | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.06      | 31        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 892       | 0.9       | 4.0                      | <b>3.4</b>   | 0.25                     | 0.42      | 349       | 0.4                      | 1.5       | <b>1.1</b>               | 0.07   | 0.13  | C01-02          |
| Mouth                        | 585       | 0.6       | 2.6                      | <b>2.2</b>   | 0.14                     | 0.26      | 436       | 0.5                      | 1.9       | <b>1.2</b>               | 0.06   | 0.15  | C03-06          |
| Salivary glands              | 290       | 0.3       | 1.3                      | <b>1.1</b>   | 0.06                     | 0.12      | 209       | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 626       | 0.6       | 2.8                      | <b>2.4</b>   | 0.19                     | 0.29      | 168       | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 188       | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.09      | 43        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 172       | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.07      | 77        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 296       | 0.3       | 1.3                      | <b>1.1</b>   | 0.08                     | 0.14      | 68        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 115       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.06      | 28        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 1527      | 1.5       | 6.8                      | <b>5.8</b>   | 0.34                     | 0.72      | 476       | 0.5                      | 2.1       | <b>1.4</b>               | 0.07   | 0.17  | C15             |
| Stomach                      | 1513      | 1.5       | 6.8                      | <b>5.6</b>   | 0.30                     | 0.66      | 1024      | 1.2                      | 4.4       | <b>2.9</b>               | 0.16   | 0.33  | C16             |
| Small intestine              | 404       | 0.4       | 1.8                      | <b>1.5</b>   | 0.09                     | 0.19      | 383       | 0.4                      | 1.7       | <b>1.2</b>               | 0.07   | 0.15  | C17             |
| Colon                        | 6685      | 6.8       | 29.8                     | <b>25.1</b>  | 1.29                     | 3.00      | 6801      | 7.7                      | 29.3      | <b>19.1</b>              | 1.01   | 2.22  | C18             |
| Rectum                       | 3062      | 3.1       | 13.7                     | <b>11.6</b>  | 0.70                     | 1.40      | 2326      | 2.6                      | 10.0      | <b>7.1</b>               | 0.45   | 0.83  | C19-20          |
| Anus                         | 273       | 0.3       | 1.2                      | <b>1.0</b>   | 0.07                     | 0.11      | 382       | 0.4                      | 1.6       | <b>1.2</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 1574      | 1.6       | 7.0                      | <b>5.9</b>   | 0.39                     | 0.70      | 610       | 0.7                      | 2.6       | <b>1.8</b>               | 0.10   | 0.21  | C22             |
| Gallbladder etc.             | 356       | 0.4       | 1.6                      | <b>1.3</b>   | 0.06                     | 0.13      | 506       | 0.6                      | 2.2       | <b>1.4</b>               | 0.08   | 0.17  | C23-24          |
| Pancreas                     | 2192      | 2.2       | 9.8                      | <b>8.2</b>   | 0.40                     | 1.00      | 2172      | 2.5                      | 9.4       | <b>5.8</b>               | 0.26   | 0.69  | C25             |
| Nose, sinuses etc.           | 178       | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.08      | 91        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 1591      | 1.6       | 7.1                      | <b>6.1</b>   | 0.39                     | 0.77      | 365       | 0.4                      | 1.6       | <b>1.2</b>               | 0.08   | 0.16  | C32             |
| Trachea, bronchus and lung   | 16574     | 16.8      | 73.9                     | <b>62.7</b>  | 2.90                     | 7.96      | 11937     | 13.5                     | 51.5      | <b>35.6</b>              | 1.81   | 4.60  | C33-34          |
| Other thoracic organs        | 112       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.05      | 64        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 201       | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.08      | 195       | 0.2                      | 0.8       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 4824      | 4.9       | 21.5                     | <b>18.0</b>  | 1.11                     | 2.07      | 3646      | 4.1                      | 15.7      | <b>12.2</b>              | 0.87   | 1.26  | C43             |
| Other skin                   | 307       | 0.3       | 1.4                      | <b>1.1</b>   | 0.06                     | 0.11      | 236       | 0.3                      | 1.0       | <b>0.8</b>               | 0.05   | 0.07  | C44             |
| Mesothelioma                 | 195       | 0.2       | 0.9                      | <b>0.7</b>   | 0.03                     | 0.08      | 54        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 295       | 0.3       | 1.3                      | <b>1.1</b>   | 0.08                     | 0.09      | 19        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 730       | 0.7       | 3.3                      | <b>2.9</b>   | 0.17                     | 0.27      | 618       | 0.7                      | 2.7       | <b>2.2</b>               | 0.15   | 0.21  | C47+C49         |
| Breast                       | 192       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.08      | 26711     | 30.2                     | 115.1     | <b>84.6</b>              | 6.05   | 9.70  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 530       | 0.6                      | 2.3       | <b>1.6</b>               | 0.10   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 203       | 0.2                      | 0.9       | <b>0.6</b>               | 0.03   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 1941      | 2.2                      | 8.4       | <b>6.6</b>               | 0.51   | 0.65  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 4014      | 4.5                      | 17.3      | <b>12.9</b>              | 0.90   | 1.58  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 133       | 0.2                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 2875      | 3.3                      | 12.4      | <b>9.0</b>               | 0.58   | 1.03  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 130       | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 23        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 120       | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 28926     | 29.3      | 129.1                    | <b>112.7</b> | 5.94                     | 15.20     |           |                          |           |                          |        |       | C61             |
| Testis                       | 900       | 0.9       | 4.0                      | <b>3.6</b>   | 0.27                     | 0.28      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 38        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 3272      | 3.3       | 14.6                     | <b>12.5</b>  | 0.76                     | 1.52      | 2110      | 2.4                      | 9.1       | <b>6.8</b>               | 0.41   | 0.80  | C64             |
| Renal pelvis                 | 138       | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.06      | 82        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 107       | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.04      | 47        | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 5151      | 5.2       | 23.0                     | <b>19.0</b>  | 0.77                     | 2.26      | 1713      | 1.9                      | 7.4       | <b>4.6</b>               | 0.19   | 0.54  | C67             |
| Other urinary organs         | 42        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 31        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 155       | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.07      | 118       | 0.1                      | 0.5       | <b>0.5</b>               | 0.03   | 0.04  | C69             |
| Brain, nervous system        | 1404      | 1.4       | 6.3                      | <b>5.7</b>   | 0.36                     | 0.58      | 1276      | 1.4                      | 5.5       | <b>4.7</b>               | 0.28   | 0.44  | C70-72          |
| Thyroid                      | 855       | 0.9       | 3.8                      | <b>3.2</b>   | 0.24                     | 0.36      | 2908      | 3.3                      | 12.5      | <b>10.2</b>              | 0.80   | 1.00  | C73             |
| Adrenal gland                | 62        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 73        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 40        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 26        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 611       | 0.6       | 2.7                      | <b>2.5</b>   | 0.17                     | 0.22      | 517       | 0.6                      | 2.2       | <b>2.1</b>               | 0.14   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 3812      | 3.9       | 17.0                     | <b>14.4</b>  | 0.83                     | 1.59      | 3242      | 3.7                      | 14.0      | <b>9.6</b>               | 0.55   | 1.07  | C82-85,C96      |
| Immunoproliferative diseases | 33        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      | 36        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 1255      | 1.3       | 5.6                      | <b>4.7</b>   | 0.23                     | 0.58      | 1092      | 1.2                      | 4.7       | <b>3.2</b>               | 0.17   | 0.39  | C90             |
| Lymphoid leukaemia           | 1387      | 1.4       | 6.2                      | <b>5.7</b>   | 0.29                     | 0.55      | 997       | 1.1                      | 4.3       | <b>3.4</b>               | 0.16   | 0.31  | C91             |
| Myeloid leukaemia            | 1186      | 1.2       | 5.3                      | <b>4.5</b>   | 0.23                     | 0.48      | 977       | 1.1                      | 4.2       | <b>3.1</b>               | 0.18   | 0.32  | C92-94          |
| Leukaemia unspecified        | 100       | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.03      | 116       | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 478       | 0.5       | 2.1                      | <b>1.8</b>   | 0.10                     | 0.20      | 452       | 0.5                      | 1.9       | <b>1.4</b>               | 0.08   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 649       | 0.7       | 2.9                      | <b>2.3</b>   | 0.06                     | 0.25      | 627       | 0.7                      | 2.7       | <b>1.6</b>               | 0.05   | 0.16  | MDS             |
| Other and unspecified        | 2085      | 2.1       | 9.3                      | <b>7.7</b>   | 0.37                     | 0.89      | 2277      | 2.6                      | 9.8       | <b>6.0</b>               | 0.28   | 0.67  | O&U             |
| All sites                    | 98892     |           | 441.2                    | <b>377.5</b> | 20.21                    | 46.32     | 88591     |                          | 381.9     | <b>274.0</b>             | 17.26  | 31.30 | C00-96          |
| All sites except C44         | 98585     | 100.0     | 439.9                    | <b>376.4</b> | 20.15                    | 46.20     | 88355     | 100.0                    | 380.9     | <b>273.2</b>             | 17.21  | 31.23 | C00-96 exc. C44 |

## USA, Georgia: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 7         | 1.0       | 1.1                      | <b>1.0</b>   | 0.08                     | 0.12      | 4         | 0.4                      | 0.6       | <b>0.5</b>               | 0.03   | 0.06  | C01-02          |
| Mouth                        | 7         | 1.0       | 1.1                      | <b>1.1</b>   | 0.09                     | 0.13      | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.00   | 0.03  | C03-06          |
| Salivary glands              | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 3         | 0.3                      | 0.5       | <b>0.6</b>               | 0.02   | 0.06  | C07-08          |
| Tonsil                       | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C09             |
| Other oropharynx             | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 10        | 1.4       | 1.5                      | <b>1.4</b>   | 0.14                     | 0.14      | 10        | 1.1                      | 1.5       | <b>1.6</b>               | 0.13   | 0.23  | C11             |
| Hypopharynx                  | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 5         | 0.7       | 0.8                      | <b>1.1</b>   | 0.00                     | 0.14      | 4         | 0.4                      | 0.6       | <b>0.7</b>               | 0.00   | 0.03  | C15             |
| Stomach                      | 47        | 6.8       | 7.2                      | <b>8.9</b>   | 0.49                     | 0.96      | 39        | 4.3                      | 5.9       | <b>6.4</b>               | 0.21   | 0.86  | C16             |
| Small intestine              | 2         | 0.3       | 0.3                      | <b>0.4</b>   | 0.03                     | 0.06      | 4         | 0.4                      | 0.6       | <b>0.7</b>               | 0.06   | 0.11  | C17             |
| Colon                        | 57        | 8.2       | 8.7                      | <b>10.9</b>  | 0.48                     | 1.33      | 65        | 7.1                      | 9.8       | <b>10.1</b>              | 0.57   | 1.37  | C18             |
| Rectum                       | 38        | 5.5       | 5.8                      | <b>6.8</b>   | 0.32                     | 0.83      | 35        | 3.8                      | 5.3       | <b>5.5</b>               | 0.24   | 0.65  | C19-20          |
| Anus                         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.05  | C21             |
| Liver                        | 65        | 9.4       | 10.0                     | <b>12.1</b>  | 0.52                     | 1.79      | 28        | 3.1                      | 4.2       | <b>4.8</b>               | 0.29   | 0.64  | C22             |
| Gallbladder etc.             | 6         | 0.9       | 0.9                      | <b>1.2</b>   | 0.03                     | 0.20      | 6         | 0.7                      | 0.9       | <b>0.9</b>               | 0.04   | 0.14  | C23-24          |
| Pancreas                     | 18        | 2.6       | 2.8                      | <b>3.6</b>   | 0.16                     | 0.45      | 17        | 1.9                      | 2.6       | <b>2.9</b>               | 0.13   | 0.37  | C25             |
| Nose, sinuses etc.           | 6         | 0.9       | 0.9                      | <b>1.2</b>   | 0.05                     | 0.13      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 11        | 1.6       | 1.7                      | <b>2.2</b>   | 0.13                     | 0.29      | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.00   | 0.05  | C32             |
| Trachea, bronchus and lung   | 84        | 12.1      | 12.9                     | <b>17.4</b>  | 0.70                     | 2.24      | 70        | 7.7                      | 10.5      | <b>11.8</b>              | 0.54   | 1.43  | C33-34          |
| Other thoracic organs        | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.01   | 0.06  | C37-38          |
| Bone                         | 4         | 0.6       | 0.6                      | <b>0.8</b>   | 0.02                     | 0.06      | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.01   | 0.06  | C40-41          |
| Melanoma of skin             | 2         | 0.3       | 0.3                      | <b>0.4</b>   | 0.05                     | 0.05      | 5         | 0.5                      | 0.8       | <b>0.5</b>               | 0.03   | 0.03  | C43             |
| Other skin                   | 3         | 0.3       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 2         | 0.3       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 8         | 1.2       | 1.2                      | <b>1.3</b>   | 0.10                     | 0.16      | 7         | 0.8                      | 1.1       | <b>1.0</b>               | 0.06   | 0.10  | C47+C49         |
| Breast                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 287       | 31.5                     | 43.1      | <b>39.4</b>              | 2.83   | 4.49  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 4         | 0.4                      | 0.6       | <b>0.6</b>               | 0.02   | 0.06  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.01   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 39        | 4.3                      | 5.9       | <b>5.0</b>               | 0.35   | 0.54  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 33        | 3.6                      | 5.0       | <b>4.3</b>               | 0.34   | 0.47  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 32        | 3.5                      | 4.8       | <b>4.5</b>               | 0.37   | 0.44  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.2                      | 0.3       | <b>0.4</b>               | 0.00   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 147       | 21.2      | 22.5                     | <b>31.2</b>  | 1.09                     | 3.82      |           |                          |           |                          |        |       | C61             |
| Testis                       | 6         | 0.9       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.05      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.03                     | 0.03      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 18        | 2.6       | 2.8                      | <b>3.3</b>   | 0.24                     | 0.44      | 8         | 0.9                      | 1.2       | <b>1.3</b>               | 0.04   | 0.13  | C64             |
| Renal pelvis                 | 3         | 0.4       | 0.5                      | <b>0.5</b>   | 0.06                     | 0.06      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 32        | 4.6       | 4.9                      | <b>6.9</b>   | 0.20                     | 0.96      | 7         | 0.8                      | 1.1       | <b>1.2</b>               | 0.00   | 0.08  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.2                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 8         | 1.2       | 1.2                      | <b>1.4</b>   | 0.08                     | 0.12      | 17        | 1.9                      | 2.6       | <b>2.6</b>               | 0.15   | 0.19  | C70-72          |
| Thyroid                      | 6         | 0.9       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.13      | 81        | 8.9                      | 12.2      | <b>10.2</b>              | 0.83   | 1.00  | C73             |
| Adrenal gland                | 2         | 0.3       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.07      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.03                     | 0.03      | 5         | 0.5                      | 0.8       | <b>0.9</b>               | 0.05   | 0.05  | C81             |
| Non-Hodgkin lymphoma         | 30        | 4.3       | 4.6                      | <b>5.5</b>   | 0.25                     | 0.71      | 20        | 2.2                      | 3.0       | <b>3.0</b>               | 0.15   | 0.23  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 4         | 0.6       | 0.6                      | <b>0.9</b>   | 0.00                     | 0.10      | 7         | 0.8                      | 1.1       | <b>1.1</b>               | 0.08   | 0.11  | C90             |
| Lymphoid leukaemia           | 9         | 1.3       | 1.4                      | <b>1.8</b>   | 0.08                     | 0.12      | 10        | 1.1                      | 1.5       | <b>1.5</b>               | 0.07   | 0.12  | C91             |
| Myeloid leukaemia            | 15        | 2.2       | 2.3                      | <b>2.8</b>   | 0.15                     | 0.33      | 16        | 1.8                      | 2.4       | <b>2.8</b>               | 0.10   | 0.30  | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.3                      | 0.5       | <b>0.5</b>               | 0.03   | 0.08  | MPD             |
| Myelodysplastic syndromes    | 3         | 0.4       | 0.5                      | <b>0.7</b>   | 0.00                     | 0.07      | 3         | 0.3                      | 0.5       | <b>0.5</b>               | 0.01   | 0.06  | MDS             |
| Other and unspecified        | 21        | 3.0       | 3.2                      | <b>4.0</b>   | 0.20                     | 0.49      | 22        | 2.4                      | 3.3       | <b>3.6</b>               | 0.14   | 0.46  | O&U             |
| All sites                    | 696       |           | 106.8                    | <b>135.6</b> | 6.03                     | 16.76     | 912       |                          | 136.9     | <b>134.6</b>             | 8.01   | 15.32 | C00-96          |
| All sites except C44         | 693       | 100.0     | 106.3                    | <b>135.2</b> | 6.01                     | 16.71     | 912       | 100.0                    | 136.9     | <b>134.6</b>             | 8.01   | 15.32 | C00-96 exc. C44 |

## USA, Georgia: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 4         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 142       | 0.6       | 2.2                      | <b>2.6</b>   | 0.18                     | 0.32      | 65        | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.09  | C01-02          |
| Mouth                        | 112       | 0.5       | 1.7                      | <b>2.0</b>   | 0.14                     | 0.23      | 97        | 0.5                      | 1.3       | <b>1.2</b>               | 0.08   | 0.14  | C03-06          |
| Salivary glands              | 46        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.08      | 61        | 0.3                      | 0.8       | <b>0.8</b>               | 0.06   | 0.09  | C07-08          |
| Tonsil                       | 121       | 0.5       | 1.9                      | <b>2.1</b>   | 0.16                     | 0.28      | 39        | 0.2                      | 0.5       | <b>0.5</b>               | 0.05   | 0.05  | C09             |
| Other oropharynx             | 54        | 0.2       | 0.8                      | <b>1.0</b>   | 0.08                     | 0.13      | 16        | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C10             |
| Nasopharynx                  | 63        | 0.3       | 1.0                      | <b>1.0</b>   | 0.08                     | 0.10      | 28        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.04  | C11             |
| Hypopharynx                  | 109       | 0.5       | 1.7                      | <b>2.0</b>   | 0.15                     | 0.26      | 19        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 29        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.07      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 481       | 2.0       | 7.5                      | <b>8.9</b>   | 0.58                     | 1.16      | 194       | 0.9                      | 2.7       | <b>2.4</b>               | 0.15   | 0.30  | C15             |
| Stomach                      | 572       | 2.4       | 8.9                      | <b>10.6</b>  | 0.54                     | 1.25      | 430       | 2.0                      | 6.0       | <b>5.0</b>               | 0.29   | 0.57  | C16             |
| Small intestine              | 114       | 0.5       | 1.8                      | <b>2.1</b>   | 0.12                     | 0.27      | 114       | 0.5                      | 1.6       | <b>1.4</b>               | 0.09   | 0.17  | C17             |
| Colon                        | 1816      | 7.6       | 28.2                     | <b>33.4</b>  | 1.81                     | 4.13      | 2094      | 9.9                      | 29.0      | <b>25.6</b>              | 1.44   | 3.07  | C18             |
| Rectum                       | 663       | 2.8       | 10.3                     | <b>11.6</b>  | 0.70                     | 1.40      | 658       | 3.1                      | 9.1       | <b>8.0</b>               | 0.53   | 0.93  | C19-20          |
| Anus                         | 73        | 0.3       | 1.1                      | <b>1.1</b>   | 0.08                     | 0.11      | 69        | 0.3                      | 1.0       | <b>0.9</b>               | 0.06   | 0.11  | C21             |
| Liver                        | 448       | 1.9       | 7.0                      | <b>7.5</b>   | 0.60                     | 0.85      | 153       | 0.7                      | 2.1       | <b>1.9</b>               | 0.11   | 0.23  | C22             |
| Gallbladder etc.             | 78        | 0.3       | 1.2                      | <b>1.4</b>   | 0.08                     | 0.16      | 154       | 0.7                      | 2.1       | <b>1.9</b>               | 0.10   | 0.22  | C23-24          |
| Pancreas                     | 577       | 2.4       | 9.0                      | <b>10.7</b>  | 0.55                     | 1.34      | 677       | 3.2                      | 9.4       | <b>8.0</b>               | 0.36   | 0.96  | C25             |
| Nose, sinuses etc.           | 42        | 0.2       | 0.7                      | <b>0.7</b>   | 0.06                     | 0.07      | 24        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 457       | 1.9       | 7.1                      | <b>8.3</b>   | 0.56                     | 1.03      | 74        | 0.3                      | 1.0       | <b>1.0</b>               | 0.06   | 0.13  | C32             |
| Trachea, bronchus and lung   | 3544      | 14.9      | 55.1                     | <b>67.6</b>  | 3.50                     | 8.64      | 2248      | 10.6                     | 31.1      | <b>28.6</b>              | 1.58   | 3.62  | C33-34          |
| Other thoracic organs        | 28        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.05      | 18        | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 52        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.07      | 57        | 0.3                      | 0.8       | <b>0.7</b>               | 0.05   | 0.05  | C40-41          |
| Melanoma of skin             | 44        | 0.2       | 0.7                      | <b>0.8</b>   | 0.03                     | 0.10      | 58        | 0.3                      | 0.8       | <b>0.7</b>               | 0.03   | 0.09  | C43             |
| Other skin                   | 64        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.09      | 85        | 0.4                      | 1.2       | <b>1.0</b>               | 0.08   | 0.10  | C44             |
| Mesothelioma                 | 20        | 0.1       | 0.3                      | <b>0.4</b>   | 0.03                     | 0.04      | 3         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.01  | C45             |
| Kaposi sarcoma               | 170       | 0.7       | 2.6                      | <b>2.2</b>   | 0.18                     | 0.18      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 145       | 0.6       | 2.3                      | <b>2.3</b>   | 0.16                     | 0.22      | 207       | 1.0                      | 2.9       | <b>2.7</b>               | 0.19   | 0.27  | C47+C49         |
| Breast                       | 57        | 0.2       | 0.9                      | <b>1.0</b>   | 0.07                     | 0.12      | 6910      | 32.6                     | 95.6      | <b>84.2</b>              | 6.10   | 9.53  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 93        | 0.4                      | 1.3       | <b>1.1</b>               | 0.08   | 0.11  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 69        | 0.3                      | 1.0       | <b>0.9</b>               | 0.05   | 0.11  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 654       | 3.1                      | 9.1       | <b>7.8</b>               | 0.58   | 0.79  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 976       | 4.6                      | 13.5      | <b>12.8</b>              | 0.82   | 1.65  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 62        | 0.3                      | 0.9       | <b>0.8</b>               | 0.04   | 0.11  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 594       | 2.8                      | 8.2       | <b>7.3</b>               | 0.48   | 0.82  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 31        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 28        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 9233      | 38.9      | 143.6                    | <b>179.3</b> | 9.92                     | 24.04     |           |                          |           |                          |        |       | C61             |
| Testis                       | 67        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.07      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 10        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 777       | 3.3       | 12.1                     | <b>14.1</b>  | 0.88                     | 1.79      | 568       | 2.7                      | 7.9       | <b>7.2</b>               | 0.42   | 0.84  | C64             |
| Renal pelvis                 | 12        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.04      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C65             |
| Ureter                       | 9         | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.02      | 5         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 537       | 2.3       | 8.3                      | <b>10.2</b>  | 0.42                     | 1.20      | 281       | 1.3                      | 3.9       | <b>3.2</b>               | 0.09   | 0.37  | C67             |
| Other urinary organs         | 11        | 0.0       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.03      | 17        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 13        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 20        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 200       | 0.8       | 3.1                      | <b>3.3</b>   | 0.22                     | 0.30      | 251       | 1.2                      | 3.5       | <b>3.4</b>               | 0.19   | 0.28  | C70-72          |
| Thyroid                      | 109       | 0.5       | 1.7                      | <b>1.8</b>   | 0.12                     | 0.22      | 551       | 2.6                      | 7.6       | <b>6.6</b>               | 0.52   | 0.66  | C73             |
| Adrenal gland                | 17        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 25        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 14        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 12        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 164       | 0.7       | 2.6                      | <b>2.4</b>   | 0.18                     | 0.21      | 157       | 0.7                      | 2.2       | <b>1.9</b>               | 0.14   | 0.15  | C81             |
| Non-Hodgkin lymphoma         | 796       | 3.4       | 12.4                     | <b>13.0</b>  | 0.89                     | 1.42      | 603       | 2.8                      | 8.3       | <b>7.4</b>               | 0.48   | 0.80  | C82-85,C96      |
| Immunoproliferative diseases | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 478       | 2.0       | 7.4                      | <b>8.9</b>   | 0.48                     | 1.14      | 467       | 2.2                      | 6.5       | <b>5.8</b>               | 0.33   | 0.70  | C90             |
| Lymphoid leukaemia           | 262       | 1.1       | 4.1                      | <b>4.9</b>   | 0.27                     | 0.50      | 175       | 0.8                      | 2.4       | <b>2.3</b>               | 0.11   | 0.19  | C91             |
| Myeloid leukaemia            | 236       | 1.0       | 3.7                      | <b>4.1</b>   | 0.23                     | 0.45      | 250       | 1.2                      | 3.5       | <b>3.1</b>               | 0.18   | 0.30  | C92-94          |
| Leukaemia unspecified        | 23        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.04      | 24        | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 86        | 0.4       | 1.3                      | <b>1.5</b>   | 0.10                     | 0.18      | 113       | 0.5                      | 1.6       | <b>1.4</b>               | 0.07   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 114       | 0.5       | 1.8                      | <b>2.2</b>   | 0.08                     | 0.24      | 140       | 0.7                      | 1.9       | <b>1.6</b>               | 0.06   | 0.16  | MDS             |
| Other and unspecified        | 491       | 2.1       | 7.6                      | <b>9.1</b>   | 0.47                     | 1.09      | 555       | 2.6                      | 7.7       | <b>6.5</b>               | 0.29   | 0.73  | O&U             |
| All sites                    | 23816     |           | 370.3                    | <b>443.1</b> | 25.09                    | 55.91     | 21287     |                          | 294.6     | <b>261.9</b>             | 16.62  | 30.03 | C00-96          |
| All sites except C44         | 23752     | 100.0     | 369.3                    | <b>442.1</b> | 25.02                    | 55.82     | 21202     | 100.0                    | 293.4     | <b>260.8</b>             | 16.54  | 29.94 | C00-96 exc. C44 |

## USA, Georgia: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 133       | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.08      | 27        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 733       | 1.0       | 4.8                      | <b>3.7</b>   | 0.27                     | 0.45      | 275       | 0.4                      | 1.8       | <b>1.2</b>               | 0.08   | 0.14  | C01-02          |
| Mouth                        | 458       | 0.6       | 3.0                      | <b>2.3</b>   | 0.14                     | 0.27      | 333       | 0.5                      | 2.2       | <b>1.2</b>               | 0.06   | 0.15  | C03-06          |
| Salivary glands              | 243       | 0.3       | 1.6                      | <b>1.2</b>   | 0.06                     | 0.13      | 143       | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 503       | 0.7       | 3.3                      | <b>2.6</b>   | 0.22                     | 0.30      | 126       | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 132       | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                     | 0.09      | 27        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 97        | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.05      | 38        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 185       | 0.3       | 1.2                      | <b>0.9</b>   | 0.06                     | 0.12      | 48        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 86        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.05      | 20        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1034      | 1.4       | 6.8                      | <b>5.1</b>   | 0.28                     | 0.62      | 273       | 0.4                      | 1.8       | <b>1.0</b>               | 0.05   | 0.12  | C15             |
| Stomach                      | 884       | 1.2       | 5.8                      | <b>4.2</b>   | 0.22                     | 0.49      | 546       | 0.8                      | 3.6       | <b>2.0</b>               | 0.11   | 0.23  | C16             |
| Small intestine              | 285       | 0.4       | 1.9                      | <b>1.4</b>   | 0.08                     | 0.17      | 263       | 0.4                      | 1.7       | <b>1.1</b>               | 0.07   | 0.14  | C17             |
| Colon                        | 4783      | 6.5       | 31.4                     | <b>23.1</b>  | 1.16                     | 2.74      | 4627      | 7.0                      | 30.4      | <b>17.0</b>              | 0.87   | 1.96  | C18             |
| Rectum                       | 2339      | 3.2       | 15.3                     | <b>11.6</b>  | 0.71                     | 1.41      | 1612      | 2.5                      | 10.6      | <b>6.7</b>               | 0.42   | 0.79  | C19-20          |
| Anus                         | 198       | 0.3       | 1.3                      | <b>1.0</b>   | 0.07                     | 0.11      | 311       | 0.5                      | 2.0       | <b>1.4</b>               | 0.10   | 0.17  | C21             |
| Liver                        | 1055      | 1.4       | 6.9                      | <b>5.2</b>   | 0.32                     | 0.62      | 427       | 0.7                      | 2.8       | <b>1.7</b>               | 0.09   | 0.20  | C22             |
| Gallbladder etc.             | 271       | 0.4       | 1.8                      | <b>1.2</b>   | 0.05                     | 0.13      | 344       | 0.5                      | 2.3       | <b>1.3</b>               | 0.07   | 0.15  | C23-24          |
| Pancreas                     | 1585      | 2.2       | 10.4                     | <b>7.6</b>   | 0.36                     | 0.92      | 1473      | 2.2                      | 9.7       | <b>5.2</b>               | 0.23   | 0.61  | C25             |
| Nose, sinuses etc.           | 129       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07      | 66        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 1120      | 1.5       | 7.3                      | <b>5.6</b>   | 0.35                     | 0.71      | 288       | 0.4                      | 1.9       | <b>1.3</b>               | 0.09   | 0.17  | C32             |
| Trachea, bronchus and lung   | 12903     | 17.6      | 84.7                     | <b>62.3</b>  | 2.79                     | 7.91      | 9601      | 14.6                     | 63.1      | <b>38.5</b>              | 1.94   | 4.99  | C33-34          |
| Other thoracic organs        | 82        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.05      | 44        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 142       | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.08      | 133       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 4692      | 6.4       | 30.8                     | <b>23.3</b>  | 1.47                     | 2.65      | 3497      | 5.3                      | 23.0      | <b>17.1</b>              | 1.25   | 1.73  | C43             |
| Other skin                   | 230       | 0.3       | 1.5                      | <b>1.1</b>   | 0.05                     | 0.11      | 148       | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.05  | C44             |
| Mesothelioma                 | 174       | 0.2       | 1.1                      | <b>0.8</b>   | 0.03                     | 0.09      | 50        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 119       | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                     | 0.05      | 12        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 572       | 0.8       | 3.8                      | <b>3.0</b>   | 0.17                     | 0.29      | 399       | 0.6                      | 2.6       | <b>2.0</b>               | 0.13   | 0.19  | C47+C49         |
| Breast                       | 133       | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.07      | 19356     | 29.5                     | 127.1     | <b>85.3</b>              | 6.10   | 9.85  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 425       | 0.6                      | 2.8       | <b>1.7</b>               | 0.11   | 0.19  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 132       | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 1229      | 1.9                      | 8.1       | <b>6.3</b>               | 0.49   | 0.61  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 2981      | 4.5                      | 19.6      | <b>13.3</b>              | 0.96   | 1.61  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 70        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 2220      | 3.4                      | 14.6      | <b>9.5</b>               | 0.62   | 1.10  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 95        | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 90        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 19220     | 26.2      | 126.1                    | <b>96.1</b>  | 4.89                     | 13.06     |           |                          |           |                          |        |       | C61             |
| Testis                       | 818       | 1.1       | 5.4                      | <b>4.9</b>   | 0.36                     | 0.37      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 27        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2463      | 3.4       | 16.2                     | <b>12.3</b>  | 0.75                     | 1.48      | 1525      | 2.3                      | 10.0      | <b>6.8</b>               | 0.42   | 0.81  | C64             |
| Renal pelvis                 | 123       | 0.2       | 0.8                      | <b>0.6</b>   | 0.02                     | 0.07      | 73        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 96        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.04      | 42        | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 4560      | 6.2       | 29.9                     | <b>21.5</b>  | 0.89                     | 2.55      | 1418      | 2.2                      | 9.3       | <b>5.2</b>               | 0.24   | 0.61  | C67             |
| Other urinary organs         | 31        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      | 14        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 140       | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.08      | 94        | 0.1                      | 0.6       | <b>0.5</b>               | 0.03   | 0.04  | C69             |
| Brain, nervous system        | 1189      | 1.6       | 7.8                      | <b>6.7</b>   | 0.42                     | 0.68      | 999       | 1.5                      | 6.6       | <b>5.3</b>               | 0.32   | 0.50  | C70-72          |
| Thyroid                      | 732       | 1.0       | 4.8                      | <b>3.8</b>   | 0.29                     | 0.41      | 2246      | 3.4                      | 14.7      | <b>11.8</b>              | 0.92   | 1.14  | C73             |
| Adrenal gland                | 43        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 46        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 25        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 14        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 438       | 0.6       | 2.9                      | <b>2.7</b>   | 0.18                     | 0.23      | 349       | 0.5                      | 2.3       | <b>2.2</b>               | 0.14   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 2960      | 4.0       | 19.4                     | <b>14.7</b>  | 0.82                     | 1.64      | 2602      | 4.0                      | 17.1      | <b>10.3</b>              | 0.58   | 1.17  | C82-85,C96      |
| Immunoproliferative diseases | 27        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 29        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 768       | 1.0       | 5.0                      | <b>3.7</b>   | 0.17                     | 0.44      | 615       | 0.9                      | 4.0       | <b>2.3</b>               | 0.11   | 0.28  | C90             |
| Lymphoid leukaemia           | 1095      | 1.5       | 7.2                      | <b>5.9</b>   | 0.30                     | 0.57      | 793       | 1.2                      | 5.2       | <b>3.8</b>               | 0.18   | 0.35  | C91             |
| Myeloid leukaemia            | 931       | 1.3       | 6.1                      | <b>4.7</b>   | 0.24                     | 0.49      | 703       | 1.1                      | 4.6       | <b>3.1</b>               | 0.18   | 0.32  | C92-94          |
| Leukaemia unspecified        | 76        | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.03      | 91        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 386       | 0.5       | 2.5                      | <b>1.9</b>   | 0.10                     | 0.21      | 331       | 0.5                      | 2.2       | <b>1.4</b>               | 0.09   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 527       | 0.7       | 3.5                      | <b>2.4</b>   | 0.06                     | 0.25      | 482       | 0.7                      | 3.2       | <b>1.6</b>               | 0.05   | 0.16  | MDS             |
| Other and unspecified        | 1568      | 2.1       | 10.3                     | <b>7.5</b>   | 0.34                     | 0.84      | 1693      | 2.6                      | 11.1      | <b>5.9</b>               | 0.29   | 0.65  | O&U             |
| All sites                    | 73633     |           | 483.2                    | <b>364.7</b> | 19.17                    | 44.39     | 65831     |                          | 432.3     | <b>281.5</b>             | 17.76  | 32.11 | C00-96          |
| All sites except C44         | 73403     | 100.0     | 481.7                    | <b>363.6</b> | 19.12                    | 44.28     | 65683     | 100.0                    | 431.3     | <b>280.9</b>             | 17.73  | 32.06 | C00-96 exc. C44 |

# USA, Georgia, Atlanta

## REGISTRATION AREA

The Metropolitan Atlanta SEER Registry (MASR) records cancer cases diagnosed in residents of five contiguous counties (Clayton, Cobb, DeKalb, Fulton, and Gwinnett) surrounding Atlanta, the state capital of Georgia in the USA. In 2005, the covered population was estimated at 3.3 million. At the time of this estimate, 56% of residents were White, 38% were Black, and 6% were of other races. The combined population of these five counties accounted for 36% of the overall population of Georgia (which is divided into a total of 159 counties).

## CANCER CARE FACILITIES

All hospitals, pathology laboratories, and radiation facilities in the registry coverage area report cancer data, as do most oncology treatment centres.

## REGISTRY STRUCTURE AND METHODS

The MASR is funded by the National Cancer Institute (NCI) and operated by the Georgia Center for Cancer Statistics (GCCS), a division of the Rollins School of Public Health at Emory University. The registry staff includes epidemiologists, quality control editors, data abstractors, and analysts. Cancer is a reportable disease in the state, and the registry uses both active and passive case finding and reporting. Most facilities identify and electronically transmit their cases to the registry on a monthly basis. Registry staff members actively identify and collect cases from some radiation therapy facilities, large physician practices, and selected other facilities. Patient follow-up is also conducted using both active and passive methods. Case-finding and re-abstractation audits are regularly performed.

## INTERPRETING THE RESULTS

The MASR actively shares data with the Georgia Comprehensive Cancer Registry (GCCR) and other states, to ensure complete case ascertainment and treatment information. The GCCS serves as the designated agent of the state of Georgia for conducting the day-to-day operations of the GCCR. For selected cancers that may be diagnosed and treated solely in physicians' offices, incidence records may be missing

from the registry, due to a general lack of reporting by physicians. Cervical cancer screening (for women aged 21–64 years) started in 1960, and breast cancer screening (for women aged 40–64 years) started in 1993. Coverage is low, at about 15%.

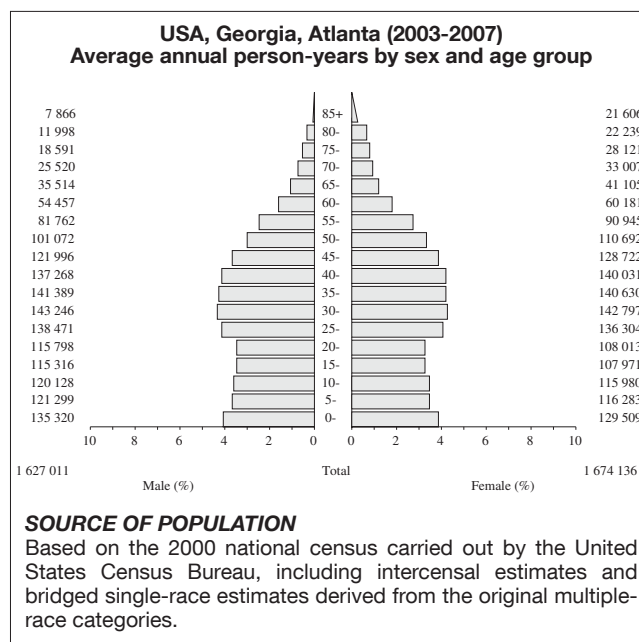
## USE OF THE DATA

The MASR submits data on an annual basis to the NCI's SEER Program. De-identified registry data are available from the SEER Program's website (<http://www.seer.cancer.gov/>), and cancer statistics are also available from the GCCS website (<http://web1.sph.emory.edu/GCCS/cms/index.html>). Research is a key part of the MASR's mission, and the registry both actively conducts research and cooperates with researchers across the USA.

## CONTRIBUTORS

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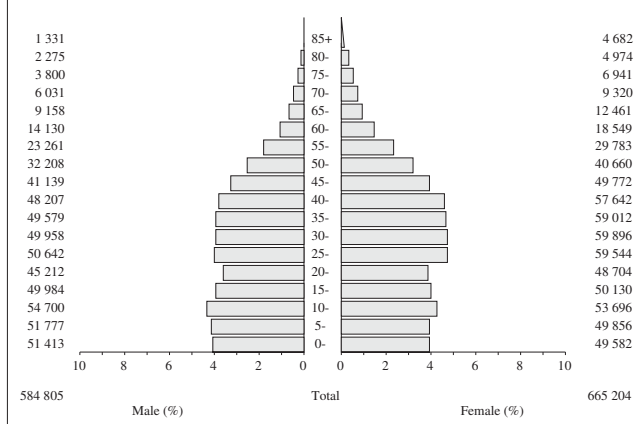
John L. Young, Jr.  
Mary Lyn Almon  
GCCR staff



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 123.3 | Breast                     | 87.2  |
| Trachea, bronchus and lung | 45.8  | Trachea, bronchus and lung | 29.6  |
| Colon                      | 21.1  | Colon                      | 18.2  |
| Melanoma of skin           | 20.3  | Melanoma of skin           | 13.2  |
| Bladder                    | 16.7  | Corpus uteri               | 13.1  |
| Non-Hodgkin lymphoma       | 14.8  | Thyroid                    | 11.0  |
| Kidney                     | 11.3  | Non-Hodgkin lymphoma       | 9.7   |
| Rectum                     | 9.9   | Ovary                      | 8.8   |
| Pancreas                   | 7.6   | Rectum                     | 6.5   |
| Liver                      | 6.2   | Kidney                     | 6.1   |
| All sites                  | 359.5 | All sites                  | 267.8 |

**USA, Georgia, Atlanta: Black (2003-2007)**  
Average annual person-years by sex and age group

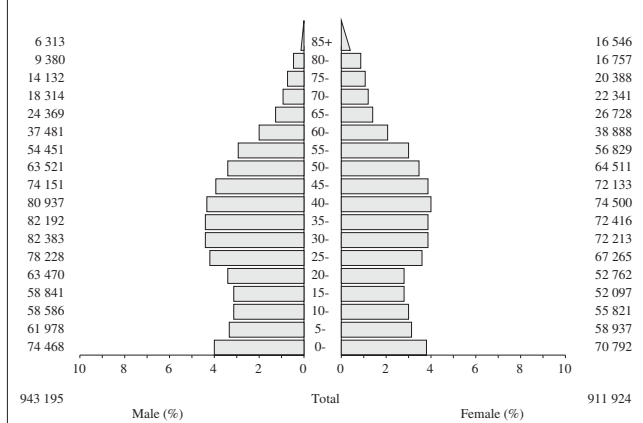


NOTES ON THE DATA: \*No official mortality data.

**USA, GEORGIA, ATLANTA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 192.2 | Breast                     | 88.5  |
| Trachea, bronchus and lung | 60.7  | Trachea, bronchus and lung | 28.7  |
| Colon                      | 28.6  | Colon                      | 25.4  |
| Non-Hodgkin lymphoma       | 15.4  | Corpus uteri               | 12.3  |
| Kidney                     | 13.0  | Ovary                      | 8.1   |
| Rectum                     | 11.2  | Non-Hodgkin lymphoma       | 8.0   |
| Pancreas                   | 9.5   | Rectum                     | 7.9   |
| Stomach                    | 9.4   | Pancreas                   | 7.3   |
| Bladder                    | 9.1   | Kidney                     | 7.2   |
| Liver                      | 8.8   | Cervix uteri               | 6.9   |
| All sites                  | 439.8 | All sites                  | 265.0 |

**USA, Georgia, Atlanta: White (2003-2007)**  
Average annual person-years by sex and age group



NOTES ON THE DATA: \*No official mortality data.

**USA, GEORGIA, ATLANTA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 101.6 | Breast                     | 88.7  |
| Trachea, bronchus and lung | 41.6  | Trachea, bronchus and lung | 30.8  |
| Melanoma of skin           | 29.5  | Melanoma of skin           | 21.6  |
| Bladder                    | 19.9  | Colon                      | 15.2  |
| Colon                      | 18.8  | Corpus uteri               | 14.2  |
| Non-Hodgkin lymphoma       | 14.7  | Thyroid                    | 14.1  |
| Kidney                     | 11.2  | Non-Hodgkin lymphoma       | 10.7  |
| Rectum                     | 9.6   | Ovary                      | 9.4   |
| Pancreas                   | 7.1   | Kidney                     | 5.8   |
| Brain, nervous system      | 6.2   | Rectum                     | 5.6   |
| All sites                  | 340.3 | All sites                  | 277.6 |



## USA, Georgia, Atlanta (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 29        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.04      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 288       | 1.0       | 3.5                      | <b>3.4</b>   | 0.25                     | 0.44      | 102       | 0.4                      | 1.2       | <b>1.0</b>               | 0.07   | 0.11  | C01-02          |
| Mouth                        | 129       | 0.4       | 1.6                      | <b>1.6</b>   | 0.09                     | 0.19      | 121       | 0.4                      | 1.4       | <b>1.1</b>               | 0.05   | 0.14  | C03-06          |
| Salivary glands              | 85        | 0.3       | 1.0                      | <b>1.0</b>   | 0.05                     | 0.10      | 78        | 0.3                      | 0.9       | <b>0.8</b>               | 0.06   | 0.08  | C07-08          |
| Tonsil                       | 172       | 0.6       | 2.1                      | <b>2.0</b>   | 0.16                     | 0.25      | 47        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 50        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.09      | 11        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 64        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.08      | 23        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.04  | C11             |
| Hypopharynx                  | 68        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.11      | 20        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C12-13          |
| Pharynx unspecified          | 24        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 398       | 1.4       | 4.9                      | <b>4.9</b>   | 0.28                     | 0.60      | 155       | 0.6                      | 1.9       | <b>1.4</b>               | 0.06   | 0.17  | C15             |
| Stomach                      | 468       | 1.6       | 5.8                      | <b>5.6</b>   | 0.31                     | 0.66      | 320       | 1.2                      | 3.8       | <b>2.9</b>               | 0.15   | 0.34  | C16             |
| Small intestine              | 120       | 0.4       | 1.5                      | <b>1.5</b>   | 0.08                     | 0.18      | 129       | 0.5                      | 1.5       | <b>1.3</b>               | 0.08   | 0.16  | C17             |
| Colon                        | 1749      | 6.0       | 21.5                     | <b>21.1</b>  | 1.06                     | 2.48      | 1989      | 7.2                      | 23.8      | <b>18.2</b>              | 0.94   | 2.15  | C18             |
| Rectum                       | 836       | 2.9       | 10.3                     | <b>9.9</b>   | 0.59                     | 1.24      | 674       | 2.4                      | 8.1       | <b>6.5</b>               | 0.41   | 0.77  | C19-20          |
| Anus                         | 117       | 0.4       | 1.4                      | <b>1.2</b>   | 0.09                     | 0.13      | 128       | 0.5                      | 1.5       | <b>1.2</b>               | 0.08   | 0.16  | C21             |
| Liver                        | 533       | 1.8       | 6.6                      | <b>6.2</b>   | 0.42                     | 0.74      | 197       | 0.7                      | 2.4       | <b>1.9</b>               | 0.09   | 0.23  | C22             |
| Gallbladder etc.             | 123       | 0.4       | 1.5                      | <b>1.5</b>   | 0.07                     | 0.14      | 158       | 0.6                      | 1.9       | <b>1.4</b>               | 0.07   | 0.17  | C23-24          |
| Pancreas                     | 613       | 2.1       | 7.5                      | <b>7.6</b>   | 0.34                     | 0.96      | 613       | 2.2                      | 7.3       | <b>5.5</b>               | 0.23   | 0.63  | C25             |
| Nose, sinuses etc.           | 53        | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.07      | 32        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 379       | 1.3       | 4.7                      | <b>4.6</b>   | 0.28                     | 0.57      | 91        | 0.3                      | 1.1       | <b>0.9</b>               | 0.05   | 0.11  | C32             |
| Trachea, bronchus and lung   | 3655      | 12.6      | 44.9                     | <b>45.8</b>  | 2.00                     | 5.63      | 3095      | 11.1                     | 37.0      | <b>29.6</b>              | 1.37   | 3.68  | C33-34          |
| Other thoracic organs        | 46        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.06      | 21        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 60        | 0.2       | 0.7                      | <b>0.8</b>   | 0.05                     | 0.08      | 68        | 0.2                      | 0.8       | <b>0.8</b>               | 0.06   | 0.06  | C40-41          |
| Melanoma of skin             | 1761      | 6.1       | 21.6                     | <b>20.3</b>  | 1.28                     | 2.28      | 1367      | 4.9                      | 16.3      | <b>13.2</b>              | 0.93   | 1.39  | C43             |
| Other skin                   | 105       | 0.4       | 1.3                      | <b>1.2</b>   | 0.07                     | 0.12      | 94        | 0.3                      | 1.1       | <b>0.9</b>               | 0.06   | 0.09  | C44             |
| Mesothelioma                 | 44        | 0.2       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.05      | 17        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 237       | 0.8       | 2.9                      | <b>2.2</b>   | 0.17                     | 0.18      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 248       | 0.9       | 3.0                      | <b>2.9</b>   | 0.16                     | 0.27      | 226       | 0.8                      | 2.7       | <b>2.5</b>               | 0.16   | 0.24  | C47+C49         |
| Breast                       | 72        | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.09      | 9054      | 32.6                     | 108.2     | <b>87.2</b>              | 6.16   | 10.05 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 150       | 0.5                      | 1.8       | <b>1.4</b>               | 0.10   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 63        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 621       | 2.2                      | 7.4       | <b>5.9</b>               | 0.44   | 0.60  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 1313      | 4.7                      | 15.7      | <b>13.1</b>              | 0.89   | 1.61  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 52        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 904       | 3.3                      | 10.8      | <b>8.8</b>               | 0.59   | 1.04  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 51        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 27        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 9577      | 32.9      | 117.7                    | <b>123.3</b> | 6.83                     | 16.75     |           |                          |           |                          |        |       | C61             |
| Testis                       | 326       | 1.1       | 4.0                      | <b>3.4</b>   | 0.25                     | 0.26      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 932       | 3.2       | 11.5                     | <b>11.3</b>  | 0.69                     | 1.39      | 620       | 2.2                      | 7.4       | <b>6.1</b>               | 0.38   | 0.70  | C64             |
| Renal pelvis                 | 33        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.04      | 20        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 24        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.04      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 1336      | 4.6       | 16.4                     | <b>16.7</b>  | 0.62                     | 1.96      | 488       | 1.8                      | 5.8       | <b>4.4</b>               | 0.16   | 0.54  | C67             |
| Other urinary organs         | 12        | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.02      | 9         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 58        | 0.2       | 0.7                      | <b>0.8</b>   | 0.04                     | 0.08      | 41        | 0.1                      | 0.5       | <b>0.5</b>               | 0.03   | 0.04  | C69             |
| Brain, nervous system        | 428       | 1.5       | 5.3                      | <b>5.2</b>   | 0.35                     | 0.53      | 375       | 1.3                      | 4.5       | <b>4.1</b>               | 0.23   | 0.39  | C70-72          |
| Thyroid                      | 326       | 1.1       | 4.0                      | <b>3.7</b>   | 0.26                     | 0.43      | 1129      | 4.1                      | 13.5      | <b>11.0</b>              | 0.85   | 1.09  | C73             |
| Adrenal gland                | 22        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 24        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 13        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 215       | 0.7       | 2.6                      | <b>2.4</b>   | 0.17                     | 0.21      | 204       | 0.7                      | 2.4       | <b>2.2</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 1282      | 4.4       | 15.8                     | <b>14.8</b>  | 0.86                     | 1.60      | 1039      | 3.7                      | 12.4      | <b>9.7</b>               | 0.56   | 1.06  | C82-85,C96      |
| Immunoproliferative diseases | 15        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 13        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 400       | 1.4       | 4.9                      | <b>4.9</b>   | 0.25                     | 0.61      | 354       | 1.3                      | 4.2       | <b>3.3</b>               | 0.18   | 0.41  | C90             |
| Lymphoid leukaemia           | 454       | 1.6       | 5.6                      | <b>5.8</b>   | 0.29                     | 0.53      | 327       | 1.2                      | 3.9       | <b>3.4</b>               | 0.17   | 0.32  | C91             |
| Myeloid leukaemia            | 350       | 1.2       | 4.3                      | <b>4.2</b>   | 0.23                     | 0.44      | 281       | 1.0                      | 3.4       | <b>2.8</b>               | 0.16   | 0.28  | C92-94          |
| Leukaemia unspecified        | 31        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.03      | 25        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 139       | 0.5       | 1.7                      | <b>1.7</b>   | 0.08                     | 0.20      | 147       | 0.5                      | 1.8       | <b>1.4</b>               | 0.07   | 0.17  | MPD             |
| Myelodysplastic syndromes    | 164       | 0.6       | 2.0                      | <b>2.0</b>   | 0.05                     | 0.22      | 148       | 0.5                      | 1.8       | <b>1.2</b>               | 0.04   | 0.10  | MDS             |
| Other and unspecified        | 503       | 1.7       | 6.2                      | <b>6.2</b>   | 0.26                     | 0.72      | 606       | 2.2                      | 7.2       | <b>5.4</b>               | 0.24   | 0.61  | O&U             |
| All sites                    | 29203     |           | 359.0                    | <b>359.5</b> | 19.46                    | 44.04     | 27873     |                          | 333.0     | <b>267.8</b>             | 16.59  | 30.54 | C00-96          |
| All sites except C44         | 29098     | 100.0     | 357.7                    | <b>358.3</b> | 19.39                    | 43.92     | 27779     | 100.0                    | 331.9     | <b>266.8</b>             | 16.53  | 30.44 | C00-96 exc. C44 |

**\*USA, Georgia, Atlanta: Black (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 62        | 0.7       | 2.1                      | <b>2.7</b>   | 0.16                     | 0.35      | 20        | 0.2                      | 0.6       | <b>0.6</b>               | 0.03   | 0.07  | C01-02          |
| Mouth                        | 37        | 0.4       | 1.3                      | <b>1.6</b>   | 0.09                     | 0.18      | 41        | 0.5                      | 1.2       | <b>1.2</b>               | 0.08   | 0.13  | C03-06          |
| Salivary glands              | 19        | 0.2       | 0.6                      | <b>0.7</b>   | 0.04                     | 0.06      | 32        | 0.4                      | 1.0       | <b>0.9</b>               | 0.06   | 0.09  | C07-08          |
| Tonsil                       | 44        | 0.5       | 1.5                      | <b>1.8</b>   | 0.13                     | 0.24      | 13        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 23        | 0.2       | 0.8                      | <b>1.1</b>   | 0.07                     | 0.17      | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C10             |
| Nasopharynx                  | 32        | 0.3       | 1.1                      | <b>1.1</b>   | 0.08                     | 0.12      | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.04  | C11             |
| Hypopharynx                  | 37        | 0.4       | 1.3                      | <b>1.8</b>   | 0.12                     | 0.25      | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C12-13          |
| Pharynx unspecified          | 11        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.07      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C14             |
| Oesophagus                   | 129       | 1.4       | 4.4                      | <b>6.1</b>   | 0.36                     | 0.77      | 69        | 0.8                      | 2.1       | <b>2.2</b>               | 0.12   | 0.26  | C15             |
| Stomach                      | 196       | 2.1       | 6.7                      | <b>9.4</b>   | 0.48                     | 1.07      | 159       | 1.8                      | 4.8       | <b>4.6</b>               | 0.23   | 0.50  | C16             |
| Small intestine              | 41        | 0.4       | 1.4                      | <b>1.9</b>   | 0.11                     | 0.23      | 42        | 0.5                      | 1.3       | <b>1.4</b>               | 0.08   | 0.17  | C17             |
| Colon                        | 622       | 6.6       | 21.3                     | <b>28.6</b>  | 1.53                     | 3.34      | 824       | 9.3                      | 24.8      | <b>25.4</b>              | 1.35   | 3.00  | C18             |
| Rectum                       | 257       | 2.7       | 8.8                      | <b>11.2</b>  | 0.66                     | 1.38      | 262       | 3.0                      | 7.9       | <b>7.9</b>               | 0.52   | 0.95  | C19-20          |
| Anus                         | 40        | 0.4       | 1.4                      | <b>1.3</b>   | 0.10                     | 0.13      | 32        | 0.4                      | 1.0       | <b>1.0</b>               | 0.06   | 0.12  | C21             |
| Liver                        | 223       | 2.4       | 7.6                      | <b>8.8</b>   | 0.70                     | 1.01      | 66        | 0.7                      | 2.0       | <b>2.0</b>               | 0.10   | 0.24  | C22             |
| Gallbladder etc.             | 34        | 0.4       | 1.2                      | <b>1.7</b>   | 0.09                     | 0.14      | 58        | 0.7                      | 1.7       | <b>1.7</b>               | 0.08   | 0.19  | C23-24          |
| Pancreas                     | 194       | 2.1       | 6.6                      | <b>9.5</b>   | 0.43                     | 1.24      | 229       | 2.6                      | 6.9       | <b>7.3</b>               | 0.31   | 0.85  | C25             |
| Nose, sinuses etc.           | 16        | 0.2       | 0.5                      | <b>0.6</b>   | 0.05                     | 0.08      | 15        | 0.2                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C30-31          |
| Larynx                       | 150       | 1.6       | 5.1                      | <b>6.7</b>   | 0.42                     | 0.83      | 26        | 0.3                      | 0.8       | <b>0.9</b>               | 0.05   | 0.11  | C32             |
| Trachea, bronchus and lung   | 1238      | 13.1      | 42.3                     | <b>60.7</b>  | 2.99                     | 7.65      | 886       | 10.0                     | 26.6      | <b>28.7</b>              | 1.53   | 3.57  | C33-34          |
| Other thoracic organs        | 13        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.06      | 9         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 21        | 0.2       | 0.7                      | <b>0.8</b>   | 0.04                     | 0.08      | 28        | 0.3                      | 0.8       | <b>0.8</b>               | 0.06   | 0.06  | C40-41          |
| Melanoma of skin             | 17        | 0.2       | 0.6                      | <b>0.8</b>   | 0.02                     | 0.10      | 24        | 0.3                      | 0.7       | <b>0.7</b>               | 0.02   | 0.08  | C43             |
| Other skin                   | 33        | 0.4       | 1.1                      | <b>1.1</b>   | 0.08                     | 0.11      | 46        | 0.5                      | 1.4       | <b>1.2</b>               | 0.08   | 0.10  | C44             |
| Mesothelioma                 | 6         | 0.1       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.03      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 148       | 1.6       | 5.1                      | <b>3.9</b>   | 0.31                     | 0.31      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 76        | 0.8       | 2.6                      | <b>2.7</b>   | 0.17                     | 0.24      | 94        | 1.1                      | 2.8       | <b>2.9</b>               | 0.18   | 0.29  | C47+C49         |
| Breast                       | 21        | 0.2       | 0.7                      | <b>0.9</b>   | 0.07                     | 0.09      | 3087      | 34.9                     | 92.8      | <b>88.5</b>              | 6.30   | 10.22 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 44        | 0.5                      | 1.3       | <b>1.3</b>               | 0.09   | 0.13  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 31        | 0.4                      | 0.9       | <b>1.1</b>               | 0.05   | 0.13  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 259       | 2.9                      | 7.8       | <b>6.9</b>               | 0.47   | 0.73  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 386       | 4.4                      | 11.6      | <b>12.3</b>              | 0.76   | 1.56  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 30        | 0.3                      | 0.9       | <b>1.0</b>               | 0.05   | 0.13  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 272       | 3.1                      | 8.2       | <b>8.1</b>               | 0.55   | 0.93  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 18        | 0.2                      | 0.5       | <b>0.6</b>               | 0.04   | 0.08  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 11        | 0.1       | 0.4                      | <b>0.6</b>   | 0.02                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3899      | 41.2      | 133.3                    | <b>192.2</b> | 10.81                    | 26.00     |           |                          |           |                          |        |       | C61             |
| Testis                       | 34        | 0.4       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.08      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 303       | 3.2       | 10.4                     | <b>13.0</b>  | 0.81                     | 1.60      | 236       | 2.7                      | 7.1       | <b>7.2</b>               | 0.41   | 0.85  | C64             |
| Renal pelvis                 | 5         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.04      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C65             |
| Ureter                       | 1         | 0.0       | 0.0                      | <b>0.1</b>   | 0.00                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 184       | 1.9       | 6.3                      | <b>9.1</b>   | 0.36                     | 1.13      | 112       | 1.3                      | 3.4       | <b>3.6</b>               | 0.10   | 0.41  | C67             |
| Other urinary organs         | 4         | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.04      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 9         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 13        | 0.1                      | 0.4       | <b>0.5</b>               | 0.03   | 0.03  | C69             |
| Brain, nervous system        | 92        | 1.0       | 3.1                      | <b>3.5</b>   | 0.22                     | 0.30      | 102       | 1.2                      | 3.1       | <b>3.1</b>               | 0.16   | 0.25  | C70-72          |
| Thyroid                      | 44        | 0.5       | 1.5                      | <b>1.7</b>   | 0.10                     | 0.22      | 245       | 2.8                      | 7.4       | <b>6.4</b>               | 0.47   | 0.64  | C73             |
| Adrenal gland                | 12        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.03      | 10        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 5         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 5         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 78        | 0.8       | 2.7                      | <b>2.4</b>   | 0.18                     | 0.22      | 86        | 1.0                      | 2.6       | <b>2.2</b>               | 0.16   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 404       | 4.3       | 13.8                     | <b>15.4</b>  | 1.00                     | 1.67      | 275       | 3.1                      | 8.3       | <b>8.0</b>               | 0.53   | 0.87  | C82-85,C96      |
| Immunoproliferative diseases | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 186       | 2.0       | 6.4                      | <b>8.5</b>   | 0.46                     | 1.11      | 182       | 2.1                      | 5.5       | <b>5.7</b>               | 0.31   | 0.69  | C90             |
| Lymphoid leukaemia           | 114       | 1.2       | 3.9                      | <b>5.3</b>   | 0.29                     | 0.49      | 73        | 0.8                      | 2.2       | <b>2.4</b>               | 0.10   | 0.22  | C91             |
| Myeloid leukaemia            | 97        | 1.0       | 3.3                      | <b>4.0</b>   | 0.24                     | 0.45      | 93        | 1.1                      | 2.8       | <b>2.8</b>               | 0.17   | 0.25  | C92-94          |
| Leukaemia unspecified        | 9         | 0.1       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.04      | 5         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.03  | C95             |
| Myeloproliferative disorders | 40        | 0.4       | 1.4                      | <b>1.7</b>   | 0.10                     | 0.20      | 55        | 0.6                      | 1.7       | <b>1.7</b>               | 0.09   | 0.22  | MPD             |
| Myelodysplastic syndromes    | 33        | 0.3       | 1.1                      | <b>1.8</b>   | 0.07                     | 0.20      | 36        | 0.4                      | 1.1       | <b>1.0</b>               | 0.03   | 0.09  | MDS             |
| Other and unspecified        | 177       | 1.9       | 6.1                      | <b>8.5</b>   | 0.39                     | 0.98      | 208       | 2.4                      | 6.3       | <b>6.4</b>               | 0.26   | 0.70  | O&U             |
| All sites                    | 9488      |           | 324.5                    | <b>439.8</b> | 24.59                    | 55.26     | 8880      |                          | 267.0     | <b>265.0</b>             | 16.23  | 30.44 | C00-96          |
| All sites except C44         | 9455      | 100.0     | 323.4                    | <b>438.7</b> | 24.51                    | 55.15     | 8834      | 100.0                    | 265.6     | <b>263.8</b>             | 16.15  | 30.34 | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, Georgia, Atlanta: White (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 27        | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.06      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C00             |
| Tongue                       | 217       | 1.2       | 4.6                      | <b>3.9</b>   | 0.30                     | 0.50      | 76        | 0.4                      | 1.7       | <b>1.1</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 82        | 0.4       | 1.7                      | <b>1.5</b>   | 0.09                     | 0.19      | 76        | 0.4                      | 1.7       | <b>1.1</b>               | 0.04   | 0.14  | C03-06          |
| Salivary glands              | 65        | 0.3       | 1.4                      | <b>1.1</b>   | 0.05                     | 0.12      | 43        | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 126       | 0.7       | 2.7                      | <b>2.2</b>   | 0.18                     | 0.28      | 32        | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 25        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.07      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C10             |
| Nasopharynx                  | 22        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05      | 7         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 30        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.07      | 10        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C12-13          |
| Pharynx unspecified          | 13        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 259       | 1.4       | 5.5                      | <b>4.6</b>   | 0.26                     | 0.55      | 83        | 0.5                      | 1.8       | <b>1.1</b>               | 0.04   | 0.13  | C15             |
| Stomach                      | 230       | 1.2       | 4.9                      | <b>4.0</b>   | 0.22                     | 0.48      | 134       | 0.7                      | 2.9       | <b>1.9</b>               | 0.10   | 0.22  | C16             |
| Small intestine              | 77        | 0.4       | 1.6                      | <b>1.4</b>   | 0.08                     | 0.16      | 83        | 0.5                      | 1.8       | <b>1.3</b>               | 0.08   | 0.16  | C17             |
| Colon                        | 1074      | 5.7       | 22.8                     | <b>18.8</b>  | 0.90                     | 2.21      | 1119      | 6.2                      | 24.5      | <b>15.2</b>              | 0.74   | 1.77  | C18             |
| Rectum                       | 544       | 2.9       | 11.5                     | <b>9.6</b>   | 0.57                     | 1.21      | 378       | 2.1                      | 8.3       | <b>5.6</b>               | 0.36   | 0.66  | C19-20          |
| Anus                         | 75        | 0.4       | 1.6                      | <b>1.3</b>   | 0.09                     | 0.13      | 96        | 0.5                      | 2.1       | <b>1.5</b>               | 0.10   | 0.20  | C21             |
| Liver                        | 255       | 1.4       | 5.4                      | <b>4.5</b>   | 0.28                     | 0.53      | 114       | 0.6                      | 2.5       | <b>1.6</b>               | 0.08   | 0.20  | C22             |
| Gallbladder etc.             | 87        | 0.5       | 1.8                      | <b>1.5</b>   | 0.07                     | 0.14      | 97        | 0.5                      | 2.1       | <b>1.3</b>               | 0.06   | 0.16  | C23-24          |
| Pancreas                     | 397       | 2.1       | 8.4                      | <b>7.1</b>   | 0.31                     | 0.87      | 376       | 2.1                      | 8.2       | <b>4.9</b>               | 0.21   | 0.56  | C25             |
| Nose, sinuses etc.           | 32        | 0.2       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06      | 16        | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.03  | C30-31          |
| Larynx                       | 222       | 1.2       | 4.7                      | <b>3.9</b>   | 0.22                     | 0.49      | 63        | 0.3                      | 1.4       | <b>1.0</b>               | 0.05   | 0.12  | C32             |
| Trachea, bronchus and lung   | 2340      | 12.4      | 49.6                     | <b>41.6</b>  | 1.65                     | 5.07      | 2164      | 12.0                     | 47.5      | <b>30.8</b>              | 1.35   | 3.88  | C33-34          |
| Other thoracic organs        | 31        | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.07      | 11        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 34        | 0.2       | 0.7                      | <b>0.8</b>   | 0.05                     | 0.07      | 38        | 0.2                      | 0.8       | <b>0.8</b>               | 0.06   | 0.06  | C40-41          |
| Melanoma of skin             | 1704      | 9.0       | 36.1                     | <b>29.5</b>  | 1.93                     | 3.31      | 1303      | 7.2                      | 28.6      | <b>21.6</b>              | 1.57   | 2.22  | C43             |
| Other skin                   | 64        | 0.3       | 1.4                      | <b>1.1</b>   | 0.05                     | 0.11      | 47        | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.08  | C44             |
| Mesothelioma                 | 37        | 0.2       | 0.8                      | <b>0.6</b>   | 0.02                     | 0.06      | 15        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 85        | 0.5       | 1.8                      | <b>1.3</b>   | 0.10                     | 0.11      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 164       | 0.9       | 3.5                      | <b>3.0</b>   | 0.16                     | 0.29      | 122       | 0.7                      | 2.7       | <b>2.2</b>               | 0.15   | 0.22  | C47+C49         |
| Breast                       | 50        | 0.3       | 1.1                      | <b>0.9</b>   | 0.04                     | 0.09      | 5695      | 31.5                     | 124.9     | <b>88.7</b>              | 6.25   | 10.26 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 97        | 0.5                      | 2.1       | <b>1.5</b>               | 0.11   | 0.16  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 31        | 0.2                      | 0.7       | <b>0.4</b>               | 0.03   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 327       | 1.8                      | 7.2       | <b>5.5</b>               | 0.42   | 0.54  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 896       | 5.0                      | 19.7      | <b>14.2</b>              | 1.01   | 1.73  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 21        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 602       | 3.3                      | 13.2      | <b>9.4</b>               | 0.62   | 1.11  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 30        | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 15        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 5444      | 28.9      | 115.4                    | <b>101.6</b> | 5.49                     | 13.84     |           |                          |           |                          |        |       | C61             |
| Testis                       | 285       | 1.5       | 6.0                      | <b>5.1</b>   | 0.38                     | 0.39      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 617       | 3.3       | 13.1                     | <b>11.2</b>  | 0.68                     | 1.38      | 373       | 2.1                      | 8.2       | <b>5.8</b>               | 0.37   | 0.66  | C64             |
| Renal pelvis                 | 27        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.05      | 16        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 22        | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.04      | 8         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 1126      | 6.0       | 23.9                     | <b>19.9</b>  | 0.77                     | 2.35      | 366       | 2.0                      | 8.0       | <b>5.0</b>               | 0.21   | 0.62  | C67             |
| Other urinary organs         | 8         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 5         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 47        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.10      | 25        | 0.1                      | 0.5       | <b>0.5</b>               | 0.03   | 0.04  | C69             |
| Brain, nervous system        | 328       | 1.7       | 7.0                      | <b>6.2</b>   | 0.43                     | 0.65      | 254       | 1.4                      | 5.6       | <b>4.6</b>               | 0.27   | 0.47  | C70-72          |
| Thyroid                      | 273       | 1.4       | 5.8                      | <b>4.7</b>   | 0.35                     | 0.54      | 812       | 4.5                      | 17.8      | <b>14.1</b>              | 1.10   | 1.36  | C73             |
| Adrenal gland                | 9         | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.01      | 14        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 134       | 0.7       | 2.8                      | <b>2.6</b>   | 0.18                     | 0.23      | 112       | 0.6                      | 2.5       | <b>2.4</b>               | 0.16   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 848       | 4.5       | 18.0                     | <b>14.7</b>  | 0.83                     | 1.60      | 743       | 4.1                      | 16.3      | <b>10.7</b>              | 0.59   | 1.19  | C82-85,C96      |
| Immunoproliferative diseases | 13        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 10        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 210       | 1.1       | 4.5                      | <b>3.7</b>   | 0.18                     | 0.45      | 166       | 0.9                      | 3.6       | <b>2.3</b>               | 0.12   | 0.28  | C90             |
| Lymphoid leukaemia           | 324       | 1.7       | 6.9                      | <b>6.2</b>   | 0.30                     | 0.57      | 242       | 1.3                      | 5.3       | <b>4.2</b>               | 0.22   | 0.39  | C91             |
| Myeloid leukaemia            | 240       | 1.3       | 5.1                      | <b>4.3</b>   | 0.24                     | 0.44      | 175       | 1.0                      | 3.8       | <b>2.8</b>               | 0.17   | 0.29  | C92-94          |
| Leukaemia unspecified        | 21        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 19        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 98        | 0.5       | 2.1                      | <b>1.7</b>   | 0.08                     | 0.21      | 91        | 0.5                      | 2.0       | <b>1.3</b>               | 0.07   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 126       | 0.7       | 2.7                      | <b>2.1</b>   | 0.04                     | 0.24      | 109       | 0.6                      | 2.4       | <b>1.2</b>               | 0.04   | 0.11  | MDS             |
| Other and unspecified        | 316       | 1.7       | 6.7                      | <b>5.6</b>   | 0.22                     | 0.66      | 378       | 2.1                      | 8.3       | <b>5.0</b>               | 0.23   | 0.57  | O&U             |
| All sites                    | 18912     |           | 401.0                    | <b>340.3</b> | 18.12                    | 41.24     | 18143     |                          | 397.9     | <b>277.6</b>             | 17.39  | 31.50 | C00-96          |
| All sites except C44         | 18848     | 100.0     | 399.7                    | <b>339.2</b> | 18.07                    | 41.12     | 18096     | 100.0                    | 396.9     | <b>276.9</b>             | 17.35  | 31.42 | C00-96 exc. C44 |

\*See note following population pyramid



# USA, Idaho

## REGISTRATION AREA

The Cancer Data Registry of Idaho (CDRI) covers the state of Idaho. In 2005, the population was estimated at 1.4 million. The majority of Idahoans are non-Hispanic Whites. Hispanics and Native Americans are the two largest minority groups, accounting for 11.5% and 1.7% of the state's population, respectively. Geographically, Idaho is a large state (covering 216 500 km<sup>2</sup>). It is the seventh least densely populated state in the USA, with 7.4 inhabitants per km<sup>2</sup>.

## CANCER CARE FACILITIES

The rural character of Idaho and the severe winters in much of the state create difficulties in access to cancer care. Seven hospitals in Idaho have cancer programmes approved by the American College of Surgeons Commission on Cancer. Nine facilities offer radiotherapy.

## REGISTRY STRUCTURE AND METHODS

The CDRI collects incidence and survival data on all cancer patients who reside in Idaho or are diagnosed and/or treated for cancer in Idaho. The CDRI is one of the oldest cancer registries in the USA; it has functioned since 1969 and has been population-based since 1971. Since 1994, the CDRI has enhanced its operations and increased its use of cancer registry data with National Program of Cancer Registries (NPCR) funding administered by the United States Centers for Disease Control and Prevention (CDC). The CDRI is staffed by two registrars certified by the United States National Cancer Registrars Association, an epidemiologist, and a database analyst.

## INTERPRETING THE RESULTS

Idaho has among the lowest screening rates in the USA for cancers of the breast, cervix, and colon. The state operates a breast and cervical cancer screening and early detection programme funded through CDC's National Breast and Cervical Cancer Early Detection Program (NBCCEDP). Through this programme, uninsured women with low incomes are generally eligible for cervical cancer screening (for women aged 40–64 years) and breast cancer screening

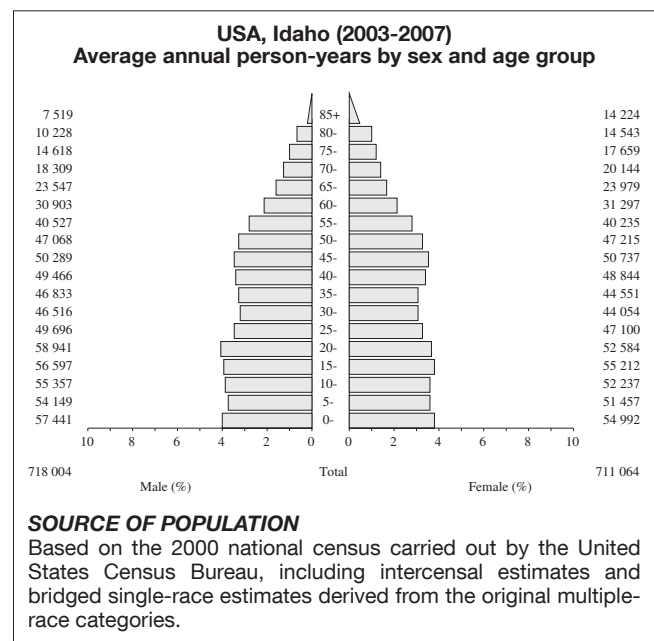
(for women aged 50–64 years). There are no other organized population screening programmes in Idaho; cancer screening is otherwise opportunistic, and the costs may not be fully covered by health insurance programmes.

## USE OF THE DATA

CDRI data are used for many purposes, including surveillance of cancer incidence rates, programme planning and evaluation, quality assurance, central registry systems development, responses to requests for information, and public health practice. CDRI data are also used in approved epidemiological and translational studies. Published reports on cancer incidence and mortality are available from the CDRI website (<https://www.idcancer.org/>).

## CONTRIBUTORS

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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.0 | Breast                     | 81.8  |
| Trachea, bronchus and lung | 40.8  | Trachea, bronchus and lung | 31.6  |
| Melanoma of skin           | 20.1  | Colon                      | 17.2  |
| Colon                      | 19.8  | Thyroid                    | 16.9  |
| Bladder                    | 19.8  | Corpus uteri               | 15.5  |
| Non-Hodgkin lymphoma       | 14.1  | Melanoma of skin           | 14.8  |
| Kidney                     | 12.1  | Non-Hodgkin lymphoma       | 10.7  |
| Rectum                     | 9.1   | Ovary                      | 9.0   |
| Pancreas                   | 8.4   | Kidney                     | 6.6   |
| Lymphoid leukaemia         | 7.0   | Pancreas                   | 6.4   |
| All sites                  | 346.2 | All sites                  | 278.1 |

## USA, Idaho (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 99        | 0.6       | 2.8                      | <b>1.9</b>   | 0.12                | 0.21                | 23        | 0.2       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05                | C00             |
| Tongue                       | 144       | 0.8       | 4.0                      | <b>3.0</b>   | 0.23                | 0.36                | 56        | 0.4       | 1.6                      | <b>1.0</b>   | 0.06                | 0.12                | C01-02          |
| Mouth                        | 73        | 0.4       | 2.0                      | <b>1.5</b>   | 0.11                | 0.20                | 58        | 0.4       | 1.6                      | <b>1.0</b>   | 0.05                | 0.11                | C03-06          |
| Salivary glands              | 56        | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                | 0.13                | 38        | 0.3       | 1.1                      | <b>0.8</b>   | 0.05                | 0.08                | C07-08          |
| Tonsil                       | 101       | 0.6       | 2.8                      | <b>2.2</b>   | 0.19                | 0.26                | 21        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05                | C09             |
| Other oropharynx             | 13        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.05                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 24        | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                | 0.06                | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C11             |
| Hypopharynx                  | 23        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.06                | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C12-13          |
| Pharynx unspecified          | 18        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | 3         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 279       | 1.6       | 7.8                      | <b>5.7</b>   | 0.31                | 0.71                | 58        | 0.4       | 1.6                      | <b>1.0</b>   | 0.06                | 0.12                | C15             |
| Stomach                      | 243       | 1.4       | 6.8                      | <b>4.8</b>   | 0.21                | 0.62                | 111       | 0.8       | 3.1                      | <b>1.9</b>   | 0.09                | 0.20                | C16             |
| Small intestine              | 82        | 0.5       | 2.3                      | <b>1.7</b>   | 0.11                | 0.22                | 65        | 0.4       | 1.8                      | <b>1.2</b>   | 0.08                | 0.13                | C17             |
| Colon                        | 1045      | 6.1       | 29.1                     | <b>19.8</b>  | 0.84                | 2.36                | 1068      | 7.3       | 30.0                     | <b>17.2</b>  | 0.75                | 1.99                | C18             |
| Rectum                       | 445       | 2.6       | 12.4                     | <b>9.1</b>   | 0.51                | 1.09                | 328       | 2.2       | 9.2                      | <b>6.1</b>   | 0.38                | 0.70                | C19-20          |
| Anus                         | 31        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08                | 65        | 0.4       | 1.8                      | <b>1.3</b>   | 0.09                | 0.17                | C21             |
| Liver                        | 201       | 1.2       | 5.6                      | <b>4.2</b>   | 0.26                | 0.51                | 91        | 0.6       | 2.6                      | <b>1.7</b>   | 0.08                | 0.20                | C22             |
| Gallbladder etc.             | 65        | 0.4       | 1.8                      | <b>1.2</b>   | 0.06                | 0.14                | 81        | 0.6       | 2.3                      | <b>1.3</b>   | 0.06                | 0.14                | C23-24          |
| Pancreas                     | 426       | 2.5       | 11.9                     | <b>8.4</b>   | 0.43                | 1.02                | 404       | 2.8       | 11.4                     | <b>6.4</b>   | 0.29                | 0.76                | C25             |
| Nose, sinuses etc.           | 31        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08                | 19        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | C30-31          |
| Larynx                       | 169       | 1.0       | 4.7                      | <b>3.5</b>   | 0.19                | 0.45                | 45        | 0.3       | 1.3                      | <b>0.9</b>   | 0.05                | 0.12                | C32             |
| Trachea, bronchus and lung   | 2130      | 12.5      | 59.3                     | <b>40.8</b>  | 1.59                | 5.04                | 1787      | 12.2      | 50.3                     | <b>31.6</b>  | 1.40                | 4.12                | C33-34          |
| Other thoracic organs        | 12        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | 15        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.04                | C37-38          |
| Bone                         | 58        | 0.3       | 1.6                      | <b>1.5</b>   | 0.10                | 0.13                | 39        | 0.3       | 1.1                      | <b>1.0</b>   | 0.06                | 0.07                | C40-41          |
| Melanoma of skin             | 950       | 5.6       | 26.5                     | <b>20.1</b>  | 1.22                | 2.27                | 686       | 4.7       | 19.3                     | <b>14.8</b>  | 1.07                | 1.47                | C43             |
| Other skin                   | 43        | 0.3       | 1.2                      | <b>0.8</b>   | 0.04                | 0.07                | 28        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.05                | C44             |
| Mesothelioma                 | 55        | 0.3       | 1.5                      | <b>1.0</b>   | 0.03                | 0.13                | 14        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 111       | 0.7       | 3.1                      | <b>2.5</b>   | 0.15                | 0.24                | 76        | 0.5       | 2.1                      | <b>1.7</b>   | 0.09                | 0.17                | C47+C49         |
| Breast                       | 52        | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                | 0.11                | 4136      | 28.3      | 116.3                    | <b>81.8</b>  | 5.51                | 9.70                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 87        | 0.6       | 2.4                      | <b>1.4</b>   | 0.08                | 0.13                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 28        | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                | 0.08                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 223       | 1.5       | 6.3                      | <b>5.2</b>   | 0.41                | 0.50                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 780       | 5.3       | 21.9                     | <b>15.5</b>  | 1.07                | 1.90                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 12        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 474       | 3.2       | 13.3                     | <b>9.0</b>   | 0.54                | 1.04                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 21        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.06                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 22        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.06                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 5378      | 31.5      | 149.8                    | <b>109.0</b> | 5.24                | 14.51               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 227       | 1.3       | 6.3                      | <b>6.0</b>   | 0.45                | 0.47                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 6         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 568       | 3.3       | 15.8                     | <b>12.1</b>  | 0.73                | 1.46                | 337       | 2.3       | 9.5                      | <b>6.6</b>   | 0.37                | 0.80                | C64             |
| Renal pelvis                 | 18        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | 20        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C65             |
| Ureter                       | 17        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.02                | 12        | 0.1       | 0.3                      | <b>0.1</b>   | 0.00                | 0.00                | C66             |
| Bladder                      | 1076      | 6.3       | 30.0                     | <b>19.8</b>  | 0.77                | 2.28                | 329       | 2.3       | 9.3                      | <b>5.0</b>   | 0.22                | 0.55                | C67             |
| Other urinary organs         | 13        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 39        | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                | 0.11                | 22        | 0.2       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05                | C69             |
| Brain, nervous system        | 283       | 1.7       | 7.9                      | <b>6.9</b>   | 0.47                | 0.70                | 256       | 1.8       | 7.2                      | <b>6.0</b>   | 0.35                | 0.55                | C70-72          |
| Thyroid                      | 191       | 1.1       | 5.3                      | <b>4.4</b>   | 0.34                | 0.46                | 701       | 4.8       | 19.7                     | <b>16.9</b>  | 1.30                | 1.61                | C73             |
| Adrenal gland                | 11        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C74             |
| Other endocrine              | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 90        | 0.5       | 2.5                      | <b>2.4</b>   | 0.15                | 0.22                | 100       | 0.7       | 2.8                      | <b>2.7</b>   | 0.17                | 0.23                | C81             |
| Non-Hodgkin lymphoma         | 698       | 4.1       | 19.4                     | <b>14.1</b>  | 0.73                | 1.57                | 625       | 4.3       | 17.6                     | <b>10.7</b>  | 0.56                | 1.23                | C82-85,C96      |
| Immunoproliferative diseases | 23        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05                | 8         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 230       | 1.3       | 6.4                      | <b>4.5</b>   | 0.21                | 0.55                | 144       | 1.0       | 4.1                      | <b>2.5</b>   | 0.11                | 0.32                | C90             |
| Lymphoid leukaemia           | 323       | 1.9       | 9.0                      | <b>7.0</b>   | 0.35                | 0.68                | 205       | 1.4       | 5.8                      | <b>4.2</b>   | 0.18                | 0.42                | C91             |
| Myeloid leukaemia            | 231       | 1.4       | 6.4                      | <b>4.7</b>   | 0.22                | 0.46                | 193       | 1.3       | 5.4                      | <b>3.7</b>   | 0.23                | 0.35                | C92-94          |
| Leukaemia unspecified        | 25        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                | 0.03                | 21        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 132       | 0.8       | 3.7                      | <b>2.7</b>   | 0.15                | 0.32                | 158       | 1.1       | 4.4                      | <b>2.7</b>   | 0.13                | 0.29                | MPD             |
| Myelodysplastic syndromes    | 173       | 1.0       | 4.8                      | <b>3.0</b>   | 0.06                | 0.34                | 133       | 0.9       | 3.7                      | <b>1.9</b>   | 0.06                | 0.21                | MDS             |
| Other and unspecified        | 345       | 2.0       | 9.6                      | <b>6.5</b>   | 0.28                | 0.72                | 389       | 2.7       | 10.9                     | <b>5.9</b>   | 0.26                | 0.61                | O&U             |
| All sites                    | 17103     |           | 476.4                    | <b>346.2</b> | 17.37               | 41.77               | 14619     |           | 411.2                    | <b>278.1</b> | 16.56               | 31.69               | C00-96          |
| All sites except C44         | 17060     | 100.0     | 475.2                    | <b>345.4</b> | 17.33               | 41.70               | 14591     | 100.0     | 410.4                    | <b>277.5</b> | 16.53               | 31.64               | C00-96 exc. C44 |

# USA, Illinois

## REGISTRATION AREA

The Illinois State Cancer Registry covers the population of the state of Illinois in the USA, which in 2010 was estimated at 12.8 million. At the time of this estimate, the population was 79% White, 15.3% Black, and 5.7% Asian or of other races; 15.9% of the population was Hispanic and 84.1% non-Hispanic. The state has both highly urban centres and rural areas.

## CANCER CARE FACILITIES

Illinois has 186 hospitals, 96 ambulatory surgical centres, 36 radiation treatment facilities, five Veterans Affairs facilities, and eight laboratories reporting cancer cases to the central registry. Physicians are also required to report any cancer cases diagnosed or treated in their offices.

## REGISTRY STRUCTURE AND METHODS

The Illinois State Cancer Registry is housed in the Illinois Department of Public Health's Division of Epidemiologic Studies, within the Office of Policy, Planning and Statistics. It is the only source of population-based cancer incidence data for the state of Illinois. Incidence data are currently available for more than 1.4 million invasive cancer cases diagnosed among Illinois residents in 1986–2010. The Illinois State Cancer Registry has achieved North American Association of Central Cancer Registries (NAACCR) Gold Certification for 15 consecutive years.

## INTERPRETING THE RESULTS

Differences in registry database completeness and data quality influence cancer incidence rates. Because the data for years before 1994 are less than 95% complete, some rates for those years, particularly the rates for all sites combined, underestimate the true rates for the Illinois population. Illinois has a breast and cervical cancer screening programme intended for women who could not otherwise afford those screenings. Most residents receive screening for

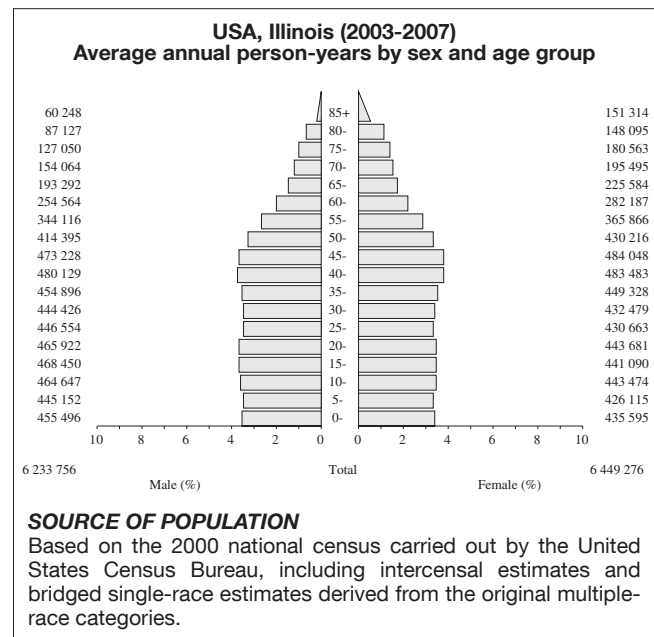
cancers through their physician, with the majority of the cost covered by their insurance.

## USE OF THE DATA

It is a core mission of the Illinois State Cancer Registry to promote high-quality research, to provide better information for cancer control, and to address public concerns and questions about cancer. The Illinois State Cancer Registry annually publishes a public-use dataset (along with state and county reports), responds to hundreds of requests for cancer information, and provides data for various research studies and cancer control programmes.

## CONTRIBUTORS

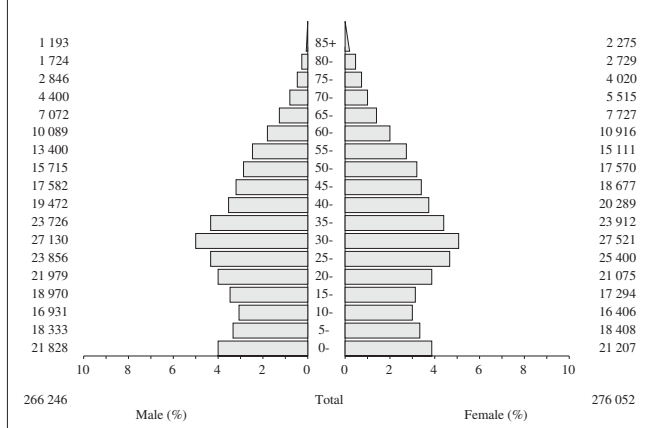
Lori Koch  
Tiefu Shen



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 107.1 | Breast                     | 86.8  |
| Trachea, bronchus and lung | 56.4  | Trachea, bronchus and lung | 38.7  |
| Colon                      | 27.0  | Colon                      | 20.9  |
| Bladder                    | 22.6  | Corpus uteri               | 19.2  |
| Non-Hodgkin lymphoma       | 15.9  | Thyroid                    | 12.8  |
| Kidney                     | 14.3  | Non-Hodgkin lymphoma       | 10.6  |
| Melanoma of skin           | 12.7  | Melanoma of skin           | 9.7   |
| Rectum                     | 12.6  | Ovary                      | 9.4   |
| Pancreas                   | 9.1   | Kidney                     | 7.7   |
| Stomach                    | 6.5   | Rectum                     | 7.5   |
| All sites                  | 375.5 | All sites                  | 295.1 |

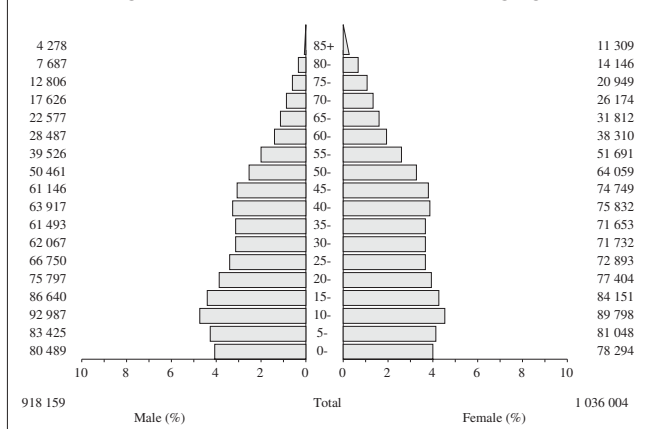
**USA, Illinois: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, ILLINOIS: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 30.7  | Breast                     | 46.5  |
| Trachea, bronchus and lung | 21.3  | Trachea, bronchus and lung | 11.4  |
| Colon                      | 12.4  | Colon                      | 11.2  |
| Liver                      | 9.4   | Thyroid                    | 9.8   |
| Rectum                     | 8.8   | Corpus uteri               | 8.4   |
| Stomach                    | 7.3   | Stomach                    | 5.8   |
| Non-Hodgkin lymphoma       | 6.0   | Rectum                     | 5.7   |
| Bladder                    | 4.8   | Ovary                      | 5.3   |
| Pancreas                   | 4.6   | Non-Hodgkin lymphoma       | 5.0   |
| Kidney                     | 4.3   | Other and unspecified      | 3.4   |
| All sites                  | 140.4 | All sites                  | 144.7 |

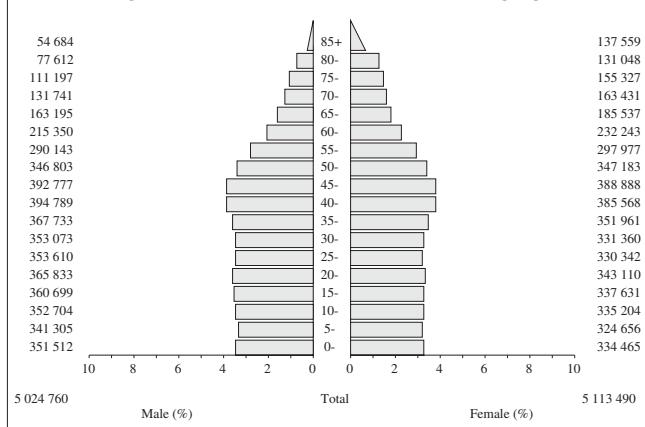
**USA, Illinois: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, ILLINOIS: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 164.8 | Breast                     | 85.0  |
| Trachea, bronchus and lung | 78.6  | Trachea, bronchus and lung | 43.4  |
| Colon                      | 37.0  | Colon                      | 28.9  |
| Kidney                     | 17.1  | Corpus uteri               | 15.5  |
| Rectum                     | 13.5  | Cervix uteri               | 10.3  |
| Pancreas                   | 12.7  | Pancreas                   | 9.3   |
| Non-Hodgkin lymphoma       | 12.1  | Kidney                     | 8.5   |
| Stomach                    | 11.5  | Rectum                     | 8.0   |
| Bladder                    | 11.4  | Non-Hodgkin lymphoma       | 7.9   |
| Liver                      | 9.7   | Other and unspecified      | 6.9   |
| All sites                  | 459.6 | All sites                  | 293.1 |

**USA, Illinois: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, ILLINOIS: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 98.4  | Breast                     | 87.5  |
| Trachea, bronchus and lung | 54.6  | Trachea, bronchus and lung | 38.9  |
| Colon                      | 25.9  | Corpus uteri               | 19.8  |
| Bladder                    | 24.0  | Colon                      | 19.6  |
| Non-Hodgkin lymphoma       | 16.4  | Thyroid                    | 13.8  |
| Kidney                     | 14.1  | Non-Hodgkin lymphoma       | 11.1  |
| Melanoma of skin           | 13.9  | Melanoma of skin           | 10.8  |
| Rectum                     | 12.4  | Ovary                      | 9.9   |
| Pancreas                   | 8.7   | Kidney                     | 7.8   |
| Brain, nervous system      | 6.5   | Rectum                     | 7.4   |
| All sites                  | 364.5 | All sites                  | 296.8 |



## USA, Illinois (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 277       | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.07      | 87        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 1342      | 0.9       | 4.3                      | <b>3.4</b>   | 0.25                     | 0.40      | 600       | 0.4                      | 1.9       | <b>1.2</b>               | 0.08   | 0.14  | C01-02          |
| Mouth                        | 892       | 0.6       | 2.9                      | <b>2.2</b>   | 0.15                     | 0.28      | 603       | 0.4                      | 1.9       | <b>1.1</b>               | 0.07   | 0.13  | C03-06          |
| Salivary glands              | 405       | 0.3       | 1.3                      | <b>0.9</b>   | 0.05                     | 0.10      | 321       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 807       | 0.5       | 2.6                      | <b>2.0</b>   | 0.17                     | 0.23      | 209       | 0.1                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 283       | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                     | 0.09      | 85        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 259       | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                     | 0.07      | 105       | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 438       | 0.3       | 1.4                      | <b>1.1</b>   | 0.08                     | 0.14      | 106       | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 102       | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 29        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 2646      | 1.7       | 8.5                      | <b>6.3</b>   | 0.35                     | 0.78      | 781       | 0.5                      | 2.4       | <b>1.4</b>               | 0.07   | 0.17  | C15             |
| Stomach                      | 2876      | 1.8       | 9.2                      | <b>6.5</b>   | 0.32                     | 0.75      | 1902      | 1.3                      | 5.9       | <b>3.2</b>               | 0.16   | 0.35  | C16             |
| Small intestine              | 715       | 0.5       | 2.3                      | <b>1.7</b>   | 0.10                     | 0.21      | 623       | 0.4                      | 1.9       | <b>1.2</b>               | 0.07   | 0.14  | C17             |
| Colon                        | 11960     | 7.6       | 38.4                     | <b>27.0</b>  | 1.21                     | 3.16      | 12887     | 8.6                      | 40.0      | <b>20.9</b>              | 0.97   | 2.39  | C18             |
| Rectum                       | 5352      | 3.4       | 17.2                     | <b>12.6</b>  | 0.71                     | 1.52      | 4097      | 2.7                      | 12.7      | <b>7.5</b>               | 0.45   | 0.86  | C19-20          |
| Anus                         | 421       | 0.3       | 1.4                      | <b>1.0</b>   | 0.07                     | 0.11      | 579       | 0.4                      | 1.8       | <b>1.2</b>               | 0.08   | 0.14  | C21             |
| Liver                        | 2567      | 1.6       | 8.2                      | <b>6.2</b>   | 0.38                     | 0.74      | 1129      | 0.8                      | 3.5       | <b>2.0</b>               | 0.10   | 0.23  | C22             |
| Gallbladder etc.             | 831       | 0.5       | 2.7                      | <b>1.8</b>   | 0.07                     | 0.21      | 1143      | 0.8                      | 3.5       | <b>1.8</b>               | 0.09   | 0.21  | C23-24          |
| Pancreas                     | 3975      | 2.5       | 12.8                     | <b>9.1</b>   | 0.45                     | 1.09      | 4076      | 2.7                      | 12.6      | <b>6.5</b>               | 0.28   | 0.76  | C25             |
| Nose, sinuses etc.           | 249       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07      | 177       | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 2198      | 1.4       | 7.1                      | <b>5.3</b>   | 0.34                     | 0.66      | 550       | 0.4                      | 1.7       | <b>1.2</b>               | 0.07   | 0.15  | C32             |
| Trachea, bronchus and lung   | 24475     | 15.6      | 78.5                     | <b>56.4</b>  | 2.52                     | 7.09      | 20931     | 14.0                     | 64.9      | <b>38.7</b>              | 1.88   | 5.03  | C33-34          |
| Other thoracic organs        | 180       | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05      | 123       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 357       | 0.2       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.09      | 276       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 5275      | 3.4       | 16.9                     | <b>12.7</b>  | 0.76                     | 1.41      | 4261      | 2.8                      | 13.2      | <b>9.7</b>               | 0.70   | 0.96  | C43             |
| Other skin                   | 437       | 0.3       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.10      | 440       | 0.3                      | 1.4       | <b>0.9</b>               | 0.05   | 0.09  | C44             |
| Mesothelioma                 | 582       | 0.4       | 1.9                      | <b>1.2</b>   | 0.04                     | 0.14      | 187       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C45             |
| Kaposi sarcoma               | 207       | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.05      | 19        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 1106      | 0.7       | 3.5                      | <b>2.8</b>   | 0.16                     | 0.28      | 976       | 0.7                      | 3.0       | <b>2.3</b>               | 0.14   | 0.22  | C47+C49         |
| Breast                       | 327       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.08      | 41584     | 27.8                     | 129.0     | <b>86.8</b>              | 6.16   | 9.99  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 857       | 0.6                      | 2.7       | <b>1.5</b>               | 0.09   | 0.16  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 252       | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 2912      | 1.9                      | 9.0       | <b>6.9</b>               | 0.53   | 0.69  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 8997      | 6.0                      | 27.9      | <b>19.2</b>              | 1.38   | 2.36  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 198       | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 4670      | 3.1                      | 14.5      | <b>9.4</b>               | 0.62   | 1.05  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 216       | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 25        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 223       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 43663     | 27.8      | 140.1                    | <b>107.1</b> | 5.49                     | 14.53     |           |                          |           |                          |        |       | C61             |
| Testis                       | 1644      | 1.0       | 5.3                      | <b>4.9</b>   | 0.36                     | 0.37      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 52        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 5870      | 3.7       | 18.8                     | <b>14.3</b>  | 0.87                     | 1.71      | 3804      | 2.5                      | 11.8      | <b>7.7</b>               | 0.47   | 0.92  | C64             |
| Renal pelvis                 | 320       | 0.2       | 1.0                      | <b>0.7</b>   | 0.03                     | 0.08      | 239       | 0.2                      | 0.7       | <b>0.4</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 217       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.05      | 154       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 10319     | 6.6       | 33.1                     | <b>22.6</b>  | 0.88                     | 2.63      | 3740      | 2.5                      | 11.6      | <b>6.2</b>               | 0.29   | 0.74  | C67             |
| Other urinary organs         | 96        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 59        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 287       | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.08      | 270       | 0.2                      | 0.8       | <b>0.6</b>               | 0.03   | 0.06  | C69             |
| Brain, nervous system        | 2221      | 1.4       | 7.1                      | <b>6.1</b>   | 0.37                     | 0.60      | 1916      | 1.3                      | 5.9       | <b>4.7</b>               | 0.29   | 0.45  | C70-72          |
| Thyroid                      | 1570      | 1.0       | 5.0                      | <b>4.1</b>   | 0.30                     | 0.43      | 5056      | 3.4                      | 15.7      | <b>12.8</b>              | 1.00   | 1.23  | C73             |
| Adrenal gland                | 100       | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 113       | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 56        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 42        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 1013      | 0.6       | 3.3                      | <b>2.9</b>   | 0.19                     | 0.25      | 812       | 0.5                      | 2.5       | <b>2.3</b>               | 0.15   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 6689      | 4.3       | 21.5                     | <b>15.9</b>  | 0.86                     | 1.75      | 5820      | 3.9                      | 18.0      | <b>10.6</b>              | 0.58   | 1.19  | C82-85,C96      |
| Immunoproliferative diseases | 137       | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 96        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 2026      | 1.3       | 6.5                      | <b>4.6</b>   | 0.22                     | 0.55      | 1802      | 1.2                      | 5.6       | <b>3.2</b>               | 0.17   | 0.39  | C90             |
| Lymphoid leukaemia           | 2313      | 1.5       | 7.4                      | <b>6.0</b>   | 0.28                     | 0.60      | 1598      | 1.1                      | 5.0       | <b>3.5</b>               | 0.16   | 0.31  | C91             |
| Myeloid leukaemia            | 2136      | 1.4       | 6.9                      | <b>5.0</b>   | 0.24                     | 0.50      | 1754      | 1.2                      | 5.4       | <b>3.4</b>               | 0.20   | 0.35  | C92-94          |
| Leukaemia unspecified        | 215       | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.03      | 199       | 0.1                      | 0.6       | <b>0.2</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 751       | 0.5       | 2.4                      | <b>1.7</b>   | 0.09                     | 0.19      | 792       | 0.5                      | 2.5       | <b>1.4</b>               | 0.07   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 1398      | 0.9       | 4.5                      | <b>2.8</b>   | 0.07                     | 0.28      | 1131      | 0.8                      | 3.5       | <b>1.7</b>               | 0.06   | 0.19  | MDS             |
| Other and unspecified        | 2897      | 1.8       | 9.3                      | <b>6.4</b>   | 0.31                     | 0.69      | 3714      | 2.5                      | 11.5      | <b>5.9</b>               | 0.27   | 0.65  | O&U             |
| All sites                    | 157754    |           | 506.1                    | <b>375.5</b> | 19.30                    | 45.48     | 150124    |                          | 465.6     | <b>295.1</b>             | 18.18  | 33.74 | C00-96          |
| All sites except C44         | 157317    | 100.0     | 504.7                    | <b>374.4</b> | 19.24                    | 45.38     | 149684    | 100.0                    | 464.2     | <b>294.2</b>             | 18.12  | 33.66 | C00-96 exc. C44 |

## USA, Illinois: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 20        | 1.1       | 1.5                      | <b>1.4</b>   | 0.11                | 0.16                | 11        | 0.5       | 0.8                      | <b>0.6</b>   | 0.05                | 0.05                | C01-02          |
| Mouth                        | 6         | 0.3       | 0.5                      | <b>0.5</b>   | 0.02                | 0.08                | 8         | 0.3       | 0.6                      | <b>0.4</b>   | 0.01                | 0.05                | C03-06          |
| Salivary glands              | 5         | 0.3       | 0.4                      | <b>0.3</b>   | 0.02                | 0.02                | 6         | 0.3       | 0.4                      | <b>0.4</b>   | 0.02                | 0.05                | C07-08          |
| Tonsil                       | 5         | 0.3       | 0.4                      | <b>0.4</b>   | 0.03                | 0.05                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C09             |
| Other oropharynx             | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 30        | 1.6       | 2.3                      | <b>1.9</b>   | 0.14                | 0.19                | 23        | 1.0       | 1.7                      | <b>1.4</b>   | 0.11                | 0.15                | C11             |
| Hypopharynx                  | 6         | 0.3       | 0.5                      | <b>0.4</b>   | 0.03                | 0.06                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 17        | 0.9       | 1.3                      | <b>1.3</b>   | 0.09                | 0.16                | 10        | 0.4       | 0.7                      | <b>0.5</b>   | 0.03                | 0.03                | C15             |
| Stomach                      | 96        | 5.1       | 7.2                      | <b>7.3</b>   | 0.35                | 0.86                | 96        | 4.0       | 7.0                      | <b>5.8</b>   | 0.24                | 0.69                | C16             |
| Small intestine              | 11        | 0.6       | 0.8                      | <b>0.8</b>   | 0.07                | 0.08                | 14        | 0.6       | 1.0                      | <b>0.9</b>   | 0.01                | 0.12                | C17             |
| Colon                        | 166       | 8.8       | 12.5                     | <b>12.4</b>  | 0.56                | 1.51                | 182       | 7.7       | 13.2                     | <b>11.2</b>  | 0.58                | 1.41                | C18             |
| Rectum                       | 123       | 6.5       | 9.2                      | <b>8.8</b>   | 0.40                | 0.97                | 94        | 4.0       | 6.8                      | <b>5.7</b>   | 0.29                | 0.68                | C19-20          |
| Anus                         | 4         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C21             |
| Liver                        | 131       | 6.9       | 9.8                      | <b>9.4</b>   | 0.50                | 1.19                | 46        | 1.9       | 3.3                      | <b>2.9</b>   | 0.16                | 0.34                | C22             |
| Gallbladder etc.             | 19        | 1.0       | 1.4                      | <b>1.4</b>   | 0.05                | 0.22                | 20        | 0.8       | 1.4                      | <b>1.2</b>   | 0.06                | 0.12                | C23-24          |
| Pancreas                     | 64        | 3.4       | 4.8                      | <b>4.6</b>   | 0.21                | 0.48                | 53        | 2.2       | 3.8                      | <b>2.9</b>   | 0.10                | 0.27                | C25             |
| Nose, sinuses etc.           | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 4         | 0.2       | 0.3                      | <b>0.3</b>   | 0.01                | 0.04                | C30-31          |
| Larynx                       | 12        | 0.6       | 0.9                      | <b>0.9</b>   | 0.04                | 0.13                | 4         | 0.2       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C32             |
| Trachea, bronchus and lung   | 287       | 15.2      | 21.6                     | <b>21.3</b>  | 0.77                | 2.40                | 191       | 8.0       | 13.8                     | <b>11.4</b>  | 0.50                | 1.36                | C33-34          |
| Other thoracic organs        | 7         | 0.4       | 0.5                      | <b>0.5</b>   | 0.04                | 0.06                | 4         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.04                | C37-38          |
| Bone                         | 10        | 0.5       | 0.8                      | <b>0.8</b>   | 0.04                | 0.07                | 6         | 0.3       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | C40-41          |
| Melanoma of skin             | 9         | 0.5       | 0.7                      | <b>0.6</b>   | 0.05                | 0.06                | 5         | 0.2       | 0.4                      | <b>0.2</b>   | 0.02                | 0.02                | C43             |
| Other skin                   | 12        | 0.6       | 0.9                      | <b>0.9</b>   | 0.05                | 0.07                | 9         | 0.4       | 0.7                      | <b>0.5</b>   | 0.01                | 0.04                | C44             |
| Mesothelioma                 | 5         | 0.3       | 0.4                      | <b>0.4</b>   | 0.01                | 0.03                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C45             |
| Kaposi sarcoma               | 4         | 0.2       | 0.3                      | <b>0.2</b>   | 0.01                | 0.04                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 15        | 0.8       | 1.1                      | <b>1.2</b>   | 0.05                | 0.13                | 21        | 0.9       | 1.5                      | <b>1.4</b>   | 0.07                | 0.13                | C47+C49         |
| Breast                       | 2         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.00                | 768       | 32.3      | 55.6                     | <b>46.5</b>  | 3.55                | 5.43                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 4         | 0.2       | 0.3                      | <b>0.2</b>   | 0.01                | 0.01                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 7         | 0.3       | 0.5                      | <b>0.4</b>   | 0.01                | 0.04                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 54        | 2.3       | 3.9                      | <b>3.2</b>   | 0.23                | 0.35                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 134       | 5.6       | 9.7                      | <b>8.4</b>   | 0.65                | 1.02                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 4         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                | 0.05                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 86        | 3.6       | 6.2                      | <b>5.3</b>   | 0.34                | 0.62                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 5         | 0.2       | 0.4                      | <b>0.3</b>   | 0.03                | 0.03                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 3         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                | 0.04                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 398       | 21.1      | 29.9                     | <b>30.7</b>  | 1.14                | 4.25                |           |           |                          |              |                     |                     | C61             |
| Testis                       | 14        | 0.7       | 1.1                      | <b>0.9</b>   | 0.06                | 0.06                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 61        | 3.2       | 4.6                      | <b>4.3</b>   | 0.26                | 0.44                | 34        | 1.4       | 2.5                      | <b>2.2</b>   | 0.10                | 0.31                | C64             |
| Renal pelvis                 | 2         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                | 0.00                | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.03                | C65             |
| Ureter                       | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.03                | 2         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.04                | C66             |
| Bladder                      | 64        | 3.4       | 4.8                      | <b>4.8</b>   | 0.13                | 0.49                | 30        | 1.3       | 2.2                      | <b>1.7</b>   | 0.08                | 0.17                | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C68             |
| Eye                          | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | 1         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C69             |
| Brain, nervous system        | 27        | 1.4       | 2.0                      | <b>1.9</b>   | 0.12                | 0.20                | 26        | 1.1       | 1.9                      | <b>1.6</b>   | 0.08                | 0.15                | C70-72          |
| Thyroid                      | 41        | 2.2       | 3.1                      | <b>3.0</b>   | 0.19                | 0.38                | 162       | 6.8       | 11.7                     | <b>9.8</b>   | 0.70                | 1.03                | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 12        | 0.6       | 0.9                      | <b>0.9</b>   | 0.04                | 0.10                | 9         | 0.4       | 0.7                      | <b>0.6</b>   | 0.04                | 0.04                | C81             |
| Non-Hodgkin lymphoma         | 84        | 4.5       | 6.3                      | <b>6.0</b>   | 0.30                | 0.62                | 81        | 3.4       | 5.9                      | <b>5.0</b>   | 0.28                | 0.59                | C82-85,C96      |
| Immunoproliferative diseases | 2         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C88             |
| Multiple myeloma             | 14        | 0.7       | 1.1                      | <b>1.1</b>   | 0.03                | 0.12                | 19        | 0.8       | 1.4                      | <b>1.2</b>   | 0.03                | 0.17                | C90             |
| Lymphoid leukaemia           | 16        | 0.8       | 1.2                      | <b>1.3</b>   | 0.04                | 0.09                | 17        | 0.7       | 1.2                      | <b>1.6</b>   | 0.09                | 0.12                | C91             |
| Myeloid leukaemia            | 18        | 1.0       | 1.4                      | <b>1.3</b>   | 0.06                | 0.12                | 33        | 1.4       | 2.4                      | <b>2.0</b>   | 0.12                | 0.17                | C92-94          |
| Leukaemia unspecified        | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 2         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C95             |
| Myeloproliferative disorders | 16        | 0.8       | 1.2                      | <b>1.1</b>   | 0.07                | 0.14                | 10        | 0.4       | 0.7                      | <b>0.6</b>   | 0.02                | 0.07                | MPD             |
| Myelodysplastic syndromes    | 19        | 1.0       | 1.4                      | <b>1.4</b>   | 0.05                | 0.09                | 14        | 0.6       | 1.0                      | <b>0.8</b>   | 0.03                | 0.07                | MDS             |
| Other and unspecified        | 33        | 1.7       | 2.5                      | <b>2.4</b>   | 0.12                | 0.26                | 62        | 2.6       | 4.5                      | <b>3.4</b>   | 0.15                | 0.30                | O&U             |
| All sites                    | 1899      |           | 142.6                    | <b>140.4</b> | 6.30                | 16.53               | 2385      |           | 172.8                    | <b>144.7</b> | 8.93                | 16.54               | C00-96          |
| All sites except C44         | 1887      | 100.0     | 141.7                    | <b>139.5</b> | 6.25                | 16.46               | 2376      | 100.0     | 172.1                    | <b>144.2</b> | 8.91                | 16.50               | C00-96 exc. C44 |

## USA, Illinois: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 157       | 0.7       | 3.4                      | <b>3.4</b>   | 0.26                     | 0.42      | 47        | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.08  | C01-02          |
| Mouth                        | 157       | 0.7       | 3.4                      | <b>3.5</b>   | 0.28                     | 0.42      | 73        | 0.4                      | 1.4       | <b>1.2</b>               | 0.08   | 0.13  | C03-06          |
| Salivary glands              | 41        | 0.2       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.09      | 44        | 0.2                      | 0.8       | <b>0.7</b>               | 0.06   | 0.08  | C07-08          |
| Tonsil                       | 106       | 0.5       | 2.3                      | <b>2.2</b>   | 0.18                     | 0.24      | 33        | 0.2                      | 0.6       | <b>0.6</b>               | 0.05   | 0.07  | C09             |
| Other oropharynx             | 62        | 0.3       | 1.4                      | <b>1.4</b>   | 0.11                     | 0.18      | 16        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.04  | C10             |
| Nasopharynx                  | 49        | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                     | 0.11      | 14        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 124       | 0.6       | 2.7                      | <b>2.8</b>   | 0.23                     | 0.35      | 19        | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C12-13          |
| Pharynx unspecified          | 20        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 349       | 1.7       | 7.6                      | <b>7.6</b>   | 0.47                     | 0.95      | 158       | 0.8                      | 3.1       | <b>2.4</b>               | 0.14   | 0.32  | C15             |
| Stomach                      | 544       | 2.6       | 11.8                     | <b>11.5</b>  | 0.61                     | 1.33      | 386       | 2.0                      | 7.5       | <b>5.2</b>               | 0.25   | 0.54  | C16             |
| Small intestine              | 116       | 0.6       | 2.5                      | <b>2.5</b>   | 0.15                     | 0.30      | 125       | 0.6                      | 2.4       | <b>1.8</b>               | 0.12   | 0.20  | C17             |
| Colon                        | 1728      | 8.2       | 37.6                     | <b>37.0</b>  | 1.90                     | 4.44      | 2015      | 10.5                     | 38.9      | <b>28.9</b>              | 1.53   | 3.48  | C18             |
| Rectum                       | 633       | 3.0       | 13.8                     | <b>13.5</b>  | 0.84                     | 1.64      | 539       | 2.8                      | 10.4      | <b>8.0</b>               | 0.54   | 0.94  | C19-20          |
| Anus                         | 89        | 0.4       | 1.9                      | <b>1.8</b>   | 0.15                     | 0.17      | 68        | 0.4                      | 1.3       | <b>1.1</b>               | 0.08   | 0.13  | C21             |
| Liver                        | 448       | 2.1       | 9.8                      | <b>9.7</b>   | 0.73                     | 1.19      | 198       | 1.0                      | 3.8       | <b>2.9</b>               | 0.15   | 0.33  | C22             |
| Gallbladder etc.             | 81        | 0.4       | 1.8                      | <b>1.7</b>   | 0.07                     | 0.22      | 121       | 0.6                      | 2.3       | <b>1.6</b>               | 0.06   | 0.15  | C23-24          |
| Pancreas                     | 595       | 2.8       | 13.0                     | <b>12.7</b>  | 0.70                     | 1.51      | 669       | 3.5                      | 12.9      | <b>9.3</b>               | 0.40   | 1.12  | C25             |
| Nose, sinuses etc.           | 29        | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.05      | 27        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C30-31          |
| Larynx                       | 418       | 2.0       | 9.1                      | <b>9.3</b>   | 0.66                     | 1.19      | 117       | 0.6                      | 2.3       | <b>1.8</b>               | 0.12   | 0.22  | C32             |
| Trachea, bronchus and lung   | 3615      | 17.2      | 78.7                     | <b>78.6</b>  | 4.23                     | 9.86      | 2917      | 15.2                     | 56.3      | <b>43.4</b>              | 2.38   | 5.48  | C33-34          |
| Other thoracic organs        | 29        | 0.1       | 0.6                      | <b>0.7</b>   | 0.05                     | 0.08      | 20        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C37-38          |
| Bone                         | 44        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.07      | 37        | 0.2                      | 0.7       | <b>0.7</b>               | 0.04   | 0.06  | C40-41          |
| Melanoma of skin             | 26        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.06      | 52        | 0.3                      | 1.0       | <b>0.7</b>               | 0.04   | 0.07  | C43             |
| Other skin                   | 41        | 0.2       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.10      | 60        | 0.3                      | 1.2       | <b>1.0</b>               | 0.08   | 0.10  | C44             |
| Mesothelioma                 | 21        | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.06      | 13        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 78        | 0.4       | 1.7                      | <b>1.5</b>   | 0.12                     | 0.12      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 123       | 0.6       | 2.7                      | <b>2.6</b>   | 0.16                     | 0.25      | 167       | 0.9                      | 3.2       | <b>2.8</b>               | 0.18   | 0.28  | C47+C49         |
| Breast                       | 51        | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.10      | 5435      | 28.2                     | 104.9     | <b>85.0</b>              | 6.13   | 9.75  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 83        | 0.4                      | 1.6       | <b>1.3</b>               | 0.10   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 59        | 0.3                      | 1.1       | <b>0.8</b>               | 0.04   | 0.08  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 648       | 3.4                      | 12.5      | <b>10.3</b>              | 0.77   | 1.04  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 977       | 5.1                      | 18.9      | <b>15.5</b>              | 0.96   | 1.97  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 51        | 0.3                      | 1.0       | <b>0.8</b>               | 0.05   | 0.09  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 452       | 2.3                      | 8.7       | <b>6.8</b>               | 0.42   | 0.75  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 25        | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 32        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 7334      | 34.9      | 159.8                    | <b>164.8</b> | 9.35                     | 21.78     |           |                          |           |                          |        |       | C61             |
| Testis                       | 56        | 0.3       | 1.2                      | <b>1.1</b>   | 0.09                     | 0.09      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 787       | 3.7       | 17.1                     | <b>17.1</b>  | 1.11                     | 2.01      | 536       | 2.8                      | 10.3      | <b>8.5</b>               | 0.56   | 1.02  | C64             |
| Renal pelvis                 | 15        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03      | 12        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 13        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 10        | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 538       | 2.6       | 11.7                     | <b>11.4</b>  | 0.54                     | 1.27      | 304       | 1.6                      | 5.9       | <b>4.2</b>               | 0.17   | 0.51  | C67             |
| Other urinary organs         | 17        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.05      | 23        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C68             |
| Eye                          | 6         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 173       | 0.8       | 3.8                      | <b>3.8</b>   | 0.22                     | 0.38      | 168       | 0.9                      | 3.2       | <b>2.9</b>               | 0.17   | 0.28  | C70-72          |
| Thyroid                      | 87        | 0.4       | 1.9                      | <b>1.9</b>   | 0.13                     | 0.21      | 387       | 2.0                      | 7.5       | <b>6.4</b>               | 0.51   | 0.67  | C73             |
| Adrenal gland                | 11        | 0.1       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.02      | 18        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 7         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 10        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 139       | 0.7       | 3.0                      | <b>2.9</b>   | 0.20                     | 0.26      | 111       | 0.6                      | 2.1       | <b>1.9</b>               | 0.14   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 575       | 2.7       | 12.5                     | <b>12.1</b>  | 0.82                     | 1.30      | 515       | 2.7                      | 9.9       | <b>7.9</b>               | 0.48   | 0.88  | C82-85,C96      |
| Immunoproliferative diseases | 8         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 445       | 2.1       | 9.7                      | <b>9.5</b>   | 0.48                     | 1.19      | 454       | 2.4                      | 8.8       | <b>6.7</b>               | 0.38   | 0.85  | C90             |
| Lymphoid leukaemia           | 205       | 1.0       | 4.5                      | <b>4.8</b>   | 0.25                     | 0.55      | 150       | 0.8                      | 2.9       | <b>2.4</b>               | 0.12   | 0.24  | C91             |
| Myeloid leukaemia            | 198       | 0.9       | 4.3                      | <b>4.1</b>   | 0.21                     | 0.39      | 212       | 1.1                      | 4.1       | <b>3.2</b>               | 0.19   | 0.30  | C92-94          |
| Leukaemia unspecified        | 24        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.03      | 15        | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 67        | 0.3       | 1.5                      | <b>1.4</b>   | 0.07                     | 0.15      | 93        | 0.5                      | 1.8       | <b>1.4</b>               | 0.09   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 98        | 0.5       | 2.1                      | <b>2.1</b>   | 0.08                     | 0.25      | 97        | 0.5                      | 1.9       | <b>1.3</b>               | 0.06   | 0.15  | MDS             |
| Other and unspecified        | 424       | 2.0       | 9.2                      | <b>8.9</b>   | 0.45                     | 1.05      | 499       | 2.6                      | 9.6       | <b>6.9</b>               | 0.33   | 0.78  | O&U             |
| All sites                    | 21043     |           | 458.4                    | <b>459.6</b> | 26.52                    | 56.74     | 19312     |                          | 372.8     | <b>293.1</b>             | 18.24  | 34.04 | C00-96          |
| All sites except C44         | 21002     | 100.0     | 457.5                    | <b>458.7</b> | 26.45                    | 56.64     | 19252     | 100.0                    | 371.7     | <b>292.1</b>             | 18.16  | 33.94 | C00-96 exc. C44 |

## USA, Illinois: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 266       | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.08      | 79        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 1126      | 0.9       | 4.5                      | <b>3.3</b>   | 0.25                     | 0.40      | 524       | 0.4                      | 2.0       | <b>1.3</b>               | 0.08   | 0.15  | C01-02          |
| Mouth                        | 692       | 0.5       | 2.8                      | <b>2.0</b>   | 0.13                     | 0.25      | 506       | 0.4                      | 2.0       | <b>1.1</b>               | 0.07   | 0.13  | C03-06          |
| Salivary glands              | 352       | 0.3       | 1.4                      | <b>0.9</b>   | 0.04                     | 0.10      | 265       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 689       | 0.5       | 2.7                      | <b>2.1</b>   | 0.17                     | 0.24      | 173       | 0.1                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 217       | 0.2       | 0.9                      | <b>0.6</b>   | 0.05                     | 0.08      | 68        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 175       | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 61        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 305       | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                     | 0.11      | 86        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 81        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 21        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 2267      | 1.7       | 9.0                      | <b>6.3</b>   | 0.34                     | 0.78      | 603       | 0.5                      | 2.4       | <b>1.2</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 2187      | 1.7       | 8.7                      | <b>5.7</b>   | 0.27                     | 0.65      | 1399      | 1.1                      | 5.5       | <b>2.7</b>               | 0.14   | 0.29  | C16             |
| Small intestine              | 577       | 0.4       | 2.3                      | <b>1.6</b>   | 0.10                     | 0.20      | 473       | 0.4                      | 1.9       | <b>1.0</b>               | 0.06   | 0.12  | C17             |
| Colon                        | 9929      | 7.6       | 39.5                     | <b>25.9</b>  | 1.13                     | 3.02      | 10568     | 8.4                      | 41.3      | <b>19.6</b>              | 0.88   | 2.22  | C18             |
| Rectum                       | 4484      | 3.4       | 17.8                     | <b>12.4</b>  | 0.69                     | 1.48      | 3398      | 2.7                      | 13.3      | <b>7.4</b>               | 0.43   | 0.84  | C19-20          |
| Anus                         | 319       | 0.2       | 1.3                      | <b>0.9</b>   | 0.06                     | 0.10      | 505       | 0.4                      | 2.0       | <b>1.2</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 1962      | 1.5       | 7.8                      | <b>5.5</b>   | 0.32                     | 0.65      | 871       | 0.7                      | 3.4       | <b>1.8</b>               | 0.09   | 0.21  | C22             |
| Gallbladder etc.             | 721       | 0.6       | 2.9                      | <b>1.8</b>   | 0.07                     | 0.21      | 990       | 0.8                      | 3.9       | <b>1.9</b>               | 0.09   | 0.22  | C23-24          |
| Pancreas                     | 3282      | 2.5       | 13.1                     | <b>8.7</b>   | 0.43                     | 1.04      | 3346      | 2.7                      | 13.1      | <b>6.2</b>               | 0.27   | 0.72  | C25             |
| Nose, sinuses etc.           | 215       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07      | 145       | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 1743      | 1.3       | 6.9                      | <b>4.9</b>   | 0.30                     | 0.61      | 424       | 0.3                      | 1.7       | <b>1.1</b>               | 0.07   | 0.14  | C32             |
| Trachea, bronchus and lung   | 20429     | 15.6      | 81.3                     | <b>54.6</b>  | 2.35                     | 6.87      | 17742     | 14.1                     | 69.4      | <b>38.9</b>              | 1.86   | 5.09  | C33-34          |
| Other thoracic organs        | 141       | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05      | 98        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 290       | 0.2       | 1.2                      | <b>1.1</b>   | 0.06                     | 0.08      | 225       | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 4892      | 3.7       | 19.5                     | <b>13.9</b>  | 0.83                     | 1.55      | 3865      | 3.1                      | 15.1      | <b>10.8</b>              | 0.78   | 1.07  | C43             |
| Other skin                   | 372       | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.10      | 351       | 0.3                      | 1.4       | <b>0.8</b>               | 0.05   | 0.08  | C44             |
| Mesothelioma                 | 553       | 0.4       | 2.2                      | <b>1.3</b>   | 0.04                     | 0.15      | 169       | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 114       | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.03      | 15        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 942       | 0.7       | 3.7                      | <b>2.8</b>   | 0.16                     | 0.28      | 771       | 0.6                      | 3.0       | <b>2.2</b>               | 0.14   | 0.20  | C47+C49         |
| Breast                       | 269       | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.08      | 34809     | 27.7                     | 136.1     | <b>87.5</b>              | 6.19   | 10.08 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 748       | 0.6                      | 2.9       | <b>1.6</b>               | 0.09   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 182       | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 2130      | 1.7                      | 8.3       | <b>6.3</b>               | 0.49   | 0.63  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 7685      | 6.1                      | 30.1      | <b>19.8</b>              | 1.45   | 2.43  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 142       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 4062      | 3.2                      | 15.9      | <b>9.9</b>               | 0.66   | 1.11  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 181       | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 17        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 182       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 34298     | 26.2      | 136.5                    | <b>98.4</b>  | 4.96                     | 13.41     |           |                          |           |                          |        |       | C61             |
| Testis                       | 1521      | 1.2       | 6.1                      | <b>5.6</b>   | 0.41                     | 0.42      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 43        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 4943      | 3.8       | 19.7                     | <b>14.1</b>  | 0.85                     | 1.70      | 3200      | 2.5                      | 12.5      | <b>7.8</b>               | 0.47   | 0.92  | C64             |
| Renal pelvis                 | 303       | 0.2       | 1.2                      | <b>0.8</b>   | 0.03                     | 0.08      | 223       | 0.2                      | 0.9       | <b>0.4</b>               | 0.01   | 0.05  | C65             |
| Ureter                       | 201       | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06      | 138       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 9447      | 7.2       | 37.6                     | <b>24.0</b>  | 0.92                     | 2.82      | 3322      | 2.6                      | 13.0      | <b>6.6</b>               | 0.31   | 0.78  | C67             |
| Other urinary organs         | 76        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 35        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 276       | 0.2       | 1.1                      | <b>0.9</b>   | 0.05                     | 0.09      | 259       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.07  | C69             |
| Brain, nervous system        | 1982      | 1.5       | 7.9                      | <b>6.5</b>   | 0.40                     | 0.64      | 1688      | 1.3                      | 6.6       | <b>5.1</b>               | 0.32   | 0.49  | C70-72          |
| Thyroid                      | 1386      | 1.1       | 5.5                      | <b>4.3</b>   | 0.32                     | 0.45      | 4362      | 3.5                      | 17.1      | <b>13.8</b>              | 1.08   | 1.31  | C73             |
| Adrenal gland                | 88        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 89        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 47        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 30        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 837       | 0.6       | 3.3                      | <b>3.0</b>   | 0.19                     | 0.25      | 672       | 0.5                      | 2.6       | <b>2.4</b>               | 0.16   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 5901      | 4.5       | 23.5                     | <b>16.4</b>  | 0.87                     | 1.82      | 5125      | 4.1                      | 20.0      | <b>11.1</b>              | 0.60   | 1.25  | C82-85,C96      |
| Immunoproliferative diseases | 124       | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.04      | 87        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 1537      | 1.2       | 6.1                      | <b>4.0</b>   | 0.18                     | 0.47      | 1308      | 1.0                      | 5.1       | <b>2.6</b>               | 0.13   | 0.32  | C90             |
| Lymphoid leukaemia           | 2023      | 1.5       | 8.1                      | <b>6.3</b>   | 0.29                     | 0.61      | 1379      | 1.1                      | 5.4       | <b>3.7</b>               | 0.17   | 0.32  | C91             |
| Myeloid leukaemia            | 1885      | 1.4       | 7.5                      | <b>5.2</b>   | 0.24                     | 0.53      | 1481      | 1.2                      | 5.8       | <b>3.5</b>               | 0.19   | 0.36  | C92-94          |
| Leukaemia unspecified        | 185       | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.02      | 181       | 0.1                      | 0.7       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 651       | 0.5       | 2.6                      | <b>1.8</b>   | 0.09                     | 0.20      | 679       | 0.5                      | 2.7       | <b>1.4</b>               | 0.07   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 1267      | 1.0       | 5.0                      | <b>2.9</b>   | 0.07                     | 0.29      | 1008      | 0.8                      | 3.9       | <b>1.8</b>               | 0.06   | 0.19  | MDS             |
| Other and unspecified        | 2410      | 1.8       | 9.6                      | <b>6.1</b>   | 0.29                     | 0.66      | 3129      | 2.5                      | 12.2      | <b>5.8</b>               | 0.27   | 0.63  | O&U             |
| All sites                    | 131204    |           | 522.2                    | <b>364.5</b> | 18.38                    | 44.03     | 126092    |                          | 493.2     | <b>296.8</b>             | 18.24  | 33.87 | C00-96          |
| All sites except C44         | 130832    | 100.0     | 520.7                    | <b>363.5</b> | 18.33                    | 43.93     | 125741    | 100.0                    | 491.8     | <b>296.0</b>             | 18.19  | 33.79 | C00-96 exc. C44 |

# USA, Indiana

## REGISTRATION AREA

The Indiana State Cancer Registry (ISCR) covers the entire population of Indiana, which ranks 15th in population size among the states of the USA, with nearly 6.5 million residents. The population is predominately White, urban, and middle-class. Indiana is divided into 92 counties, and a total of 62% of the state's residents live in the 18 counties that have more than 100 000 residents each; 48 counties have fewer than 35 000 residents each, and 11 counties have fewer than 15 000 residents each.

## CANCER CARE FACILITIES

Currently, 15 non-hospital sources report to the ISCR electronically (by either FTP or eMaRC), and 36 report non-electronically. A total of 109 hospitals report cancer data to the registry.

## REGISTRY STRUCTURE AND METHODS

The ISCR was established by state law (Public Law 174-1985) in 1985 and began to collect cases on 1 January 1987. As Indiana's central cancer registry, the ISCR carries the burden of cancer consolidation and record-keeping for the state. The Indiana Cancer Registry was established in 1985 by the statute Indiana Code 16-38-2, which became effective for all cases diagnosed in Indiana residents on 1 January 1987 or later. Rule 410 IAC 21 sets forth the standards for maintaining a state cancer registry pursuant to the original Public Law and Indiana Code in greater detail. The ISCR is supported by state and federal funds. The state of Indiana matches federal funding from the National Program of Cancer Registries (NPCR) with a 1:3 match, and contributes maintenance-of-effort funding. The ISCR is staffed by a director, two full-time certified tumour registrars (CTRs) – one of whom serves as the quality control manager – a software programmer, a cancer epidemiologist, an administrative assistant, an education trainer, and numerous contracted CTRs. The ISCR uses the database management software Rocky Mountain Cancer Data Systems (RMCDS).

## INTERPRETING THE RESULTS

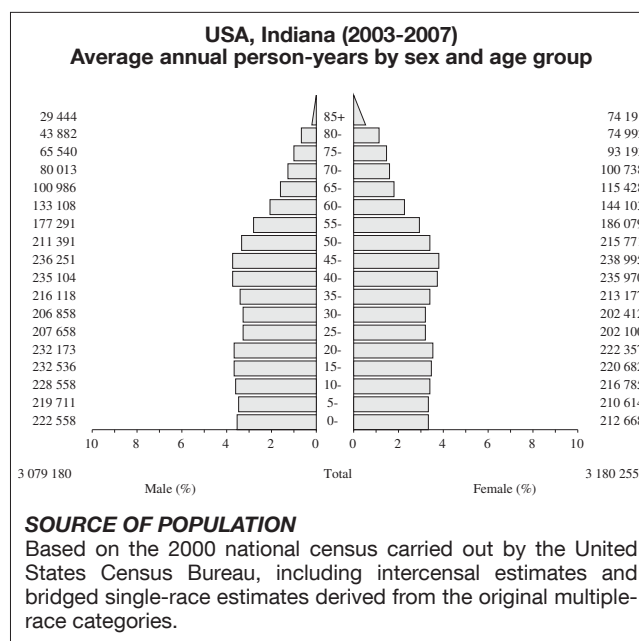
The Indiana Breast and Cervical Cancer Program (BCCP) targets women aged 40–64 years with a family income at or below 200% of the federal poverty level. Some hospitals hold screening events (for cancers of the breast, colorectum, etc.), and there are also individual clinics/organizations (such as the Susan G. Komen foundation) that hold events.

## USE OF THE DATA

The ISCR has data exchange agreements in place with 18 other states, including the four states bordering Indiana. Data exchange with each state occurs at least annually. The ISCR also links annually with the BCCP to identify missing cases.

## CONTRIBUTOR

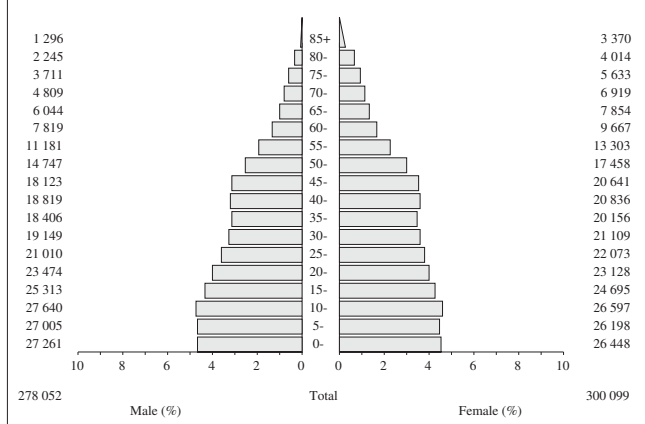
Laura P. Ruppert



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 92.1  | Breast                     | 81.4  |
| Trachea, bronchus and lung | 63.1  | Trachea, bronchus and lung | 42.5  |
| Colon                      | 25.4  | Colon                      | 20.5  |
| Bladder                    | 21.8  | Corpus uteri               | 18.7  |
| Non-Hodgkin lymphoma       | 15.1  | Non-Hodgkin lymphoma       | 11.5  |
| Kidney                     | 14.3  | Thyroid                    | 11.0  |
| Melanoma of skin           | 13.8  | Melanoma of skin           | 10.9  |
| Rectum                     | 11.7  | Ovary                      | 8.7   |
| Pancreas                   | 8.3   | Kidney                     | 8.4   |
| Other and unspecified      | 7.4   | Rectum                     | 7.2   |
| All sites                  | 359.3 | All sites                  | 290.0 |

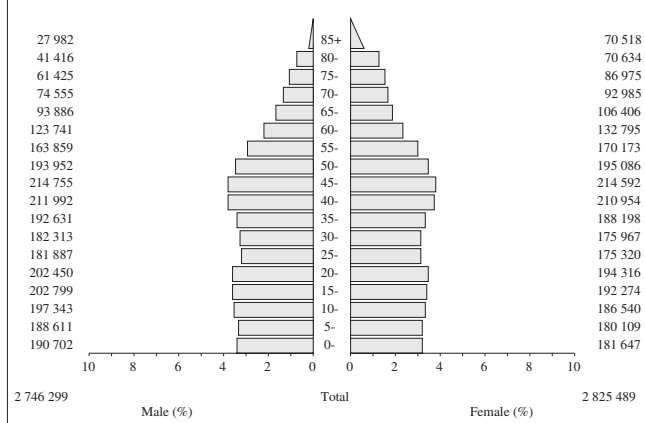
**USA, Indiana: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, INDIANA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 139.2 | Breast                     | 80.8  |
| Trachea, bronchus and lung | 75.6  | Trachea, bronchus and lung | 43.4  |
| Colon                      | 30.2  | Colon                      | 28.7  |
| Kidney                     | 15.5  | Corpus uteri               | 14.6  |
| Rectum                     | 12.5  | Non-Hodgkin lymphoma       | 9.6   |
| Bladder                    | 11.7  | Pancreas                   | 9.0   |
| Pancreas                   | 11.3  | Kidney                     | 8.3   |
| Liver                      | 10.7  | Other and unspecified      | 8.1   |
| Non-Hodgkin lymphoma       | 9.6   | Cervix uteri               | 7.7   |
| Other and unspecified      | 9.1   | Ovary                      | 6.9   |
| All sites                  | 405.9 | All sites                  | 283.5 |

**USA, Indiana: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, INDIANA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 86.4  | Breast                     | 81.0  |
| Trachea, bronchus and lung | 62.5  | Trachea, bronchus and lung | 42.6  |
| Colon                      | 24.9  | Colon                      | 19.7  |
| Bladder                    | 21.9  | Corpus uteri               | 19.0  |
| Non-Hodgkin lymphoma       | 15.3  | Non-Hodgkin lymphoma       | 11.4  |
| Kidney                     | 14.2  | Thyroid                    | 11.3  |
| Melanoma of skin           | 13.9  | Melanoma of skin           | 11.1  |
| Rectum                     | 11.5  | Ovary                      | 8.8   |
| Pancreas                   | 8.2   | Kidney                     | 8.3   |
| Other and unspecified      | 7.3   | Rectum                     | 7.1   |
| All sites                  | 351.6 | All sites                  | 288.7 |

## USA, Indiana (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 106       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.05                | 42         | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01                | C00             |
| Tongue                       | 629       | 0.8       | 4.1                      | <b>3.1</b>   | 0.24                | 0.37                | 283        | 0.4       | 1.8                      | <b>1.1</b>   | 0.07                | 0.12                | C01-02          |
| Mouth                        | 422       | 0.5       | 2.7                      | <b>2.0</b>   | 0.13                | 0.24                | 291        | 0.4       | 1.8                      | <b>1.0</b>   | 0.06                | 0.12                | C03-06          |
| Salivary glands              | 228       | 0.3       | 1.5                      | <b>1.0</b>   | 0.06                | 0.11                | 158        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.06                | C07-08          |
| Tonsil                       | 488       | 0.6       | 3.2                      | <b>2.4</b>   | 0.21                | 0.28                | 107        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | C09             |
| Other oropharynx             | 110       | 0.1       | 0.7                      | <b>0.6</b>   | 0.03                | 0.07                | 43         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 97        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.05                | 46         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C11             |
| Hypopharynx                  | 175       | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.11                | 47         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C12-13          |
| Pharynx unspecified          | 63        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.04                | 15         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 1356      | 1.8       | 8.8                      | <b>6.4</b>   | 0.36                | 0.81                | 368        | 0.5       | 2.3                      | <b>1.3</b>   | 0.07                | 0.16                | C15             |
| Stomach                      | 1095      | 1.4       | 7.1                      | <b>4.9</b>   | 0.24                | 0.57                | 654        | 0.9       | 4.1                      | <b>2.1</b>   | 0.11                | 0.24                | C16             |
| Small intestine              | 349       | 0.5       | 2.3                      | <b>1.6</b>   | 0.09                | 0.19                | 332        | 0.5       | 2.1                      | <b>1.3</b>   | 0.08                | 0.15                | C17             |
| Colon                        | 5761      | 7.5       | 37.4                     | <b>25.4</b>  | 1.14                | 2.99                | 6299       | 8.6       | 39.6                     | <b>20.5</b>  | 0.95                | 2.37                | C18             |
| Rectum                       | 2516      | 3.3       | 16.3                     | <b>11.7</b>  | 0.68                | 1.40                | 1899       | 2.6       | 11.9                     | <b>7.2</b>   | 0.43                | 0.85                | C19-20          |
| Anus                         | 177       | 0.2       | 1.1                      | <b>0.8</b>   | 0.06                | 0.09                | 376        | 0.5       | 2.4                      | <b>1.5</b>   | 0.12                | 0.17                | C21             |
| Liver                        | 1095      | 1.4       | 7.1                      | <b>5.2</b>   | 0.32                | 0.63                | 492        | 0.7       | 3.1                      | <b>1.8</b>   | 0.09                | 0.21                | C22             |
| Gallbladder etc.             | 381       | 0.5       | 2.5                      | <b>1.6</b>   | 0.07                | 0.17                | 537        | 0.7       | 3.4                      | <b>1.7</b>   | 0.08                | 0.21                | C23-24          |
| Pancreas                     | 1858      | 2.4       | 12.1                     | <b>8.3</b>   | 0.43                | 1.01                | 1892       | 2.6       | 11.9                     | <b>6.1</b>   | 0.28                | 0.72                | C25             |
| Nose, sinuses etc.           | 134       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.07                | 100        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 1131      | 1.5       | 7.3                      | <b>5.5</b>   | 0.36                | 0.69                | 334        | 0.5       | 2.1                      | <b>1.4</b>   | 0.10                | 0.17                | C32             |
| Trachea, bronchus and lung   | 13933     | 18.2      | 90.5                     | <b>63.1</b>  | 2.83                | 8.06                | 11460      | 15.6      | 72.1                     | <b>42.5</b>  | 2.11                | 5.55                | C33-34          |
| Other thoracic organs        | 75        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | 53         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C37-38          |
| Bone                         | 157       | 0.2       | 1.0                      | <b>1.0</b>   | 0.06                | 0.08                | 115        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                | 0.05                | C40-41          |
| Melanoma of skin             | 2892      | 3.8       | 18.8                     | <b>13.8</b>  | 0.83                | 1.57                | 2353       | 3.2       | 14.8                     | <b>10.9</b>  | 0.78                | 1.11                | C43             |
| Other skin                   | 209       | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                | 0.08                | 182        | 0.3       | 1.1                      | <b>0.7</b>   | 0.04                | 0.07                | C44             |
| Mesothelioma                 | 278       | 0.4       | 1.8                      | <b>1.2</b>   | 0.04                | 0.13                | 81         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 52        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 7          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 509       | 0.7       | 3.3                      | <b>2.5</b>   | 0.13                | 0.25                | 459        | 0.6       | 2.9                      | <b>2.2</b>   | 0.13                | 0.20                | C47+C49         |
| Breast                       | 144       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.09                | 19701      | 26.8      | 123.9                    | <b>81.4</b>  | 5.69                | 9.45                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 479        | 0.7       | 3.0                      | <b>1.8</b>   | 0.11                | 0.19                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 126        | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 1312       | 1.8       | 8.3                      | <b>6.4</b>   | 0.50                | 0.63                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 4459       | 6.1       | 28.0                     | <b>18.7</b>  | 1.34                | 2.27                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 105        | 0.1       | 0.7                      | <b>0.3</b>   | 0.02                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 2202       | 3.0       | 13.8                     | <b>8.7</b>   | 0.57                | 0.97                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 99         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 14         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 123       | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.07                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 19462     | 25.4      | 126.4                    | <b>92.1</b>  | 4.56                | 12.48               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 822       | 1.1       | 5.3                      | <b>5.0</b>   | 0.37                | 0.38                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 37        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 2993      | 3.9       | 19.4                     | <b>14.3</b>  | 0.89                | 1.71                | 2065       | 2.8       | 13.0                     | <b>8.4</b>   | 0.50                | 0.99                | C64             |
| Renal pelvis                 | 178       | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                | 0.09                | 120        | 0.2       | 0.8                      | <b>0.4</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 121       | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                | 0.06                | 75         | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 4965      | 6.5       | 32.2                     | <b>21.8</b>  | 0.90                | 2.61                | 1734       | 2.4       | 10.9                     | <b>5.9</b>   | 0.27                | 0.72                | C67             |
| Other urinary organs         | 44        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | 36         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C68             |
| Eye                          | 146       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08                | 124        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.05                | C69             |
| Brain, nervous system        | 1189      | 1.5       | 7.7                      | <b>6.5</b>   | 0.40                | 0.64                | 1060       | 1.4       | 6.7                      | <b>5.2</b>   | 0.32                | 0.50                | C70-72          |
| Thyroid                      | 677       | 0.9       | 4.4                      | <b>3.6</b>   | 0.25                | 0.37                | 2113       | 2.9       | 13.3                     | <b>11.0</b>  | 0.86                | 1.05                | C73             |
| Adrenal gland                | 54        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | 48         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | C74             |
| Other endocrine              | 32        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 17         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 517       | 0.7       | 3.4                      | <b>3.1</b>   | 0.21                | 0.26                | 402        | 0.5       | 2.5                      | <b>2.4</b>   | 0.16                | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 3236      | 4.2       | 21.0                     | <b>15.1</b>  | 0.83                | 1.68                | 3094       | 4.2       | 19.5                     | <b>11.5</b>  | 0.64                | 1.32                | C82-85,C96      |
| Immunoproliferative diseases | 53        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | 41         | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 1022      | 1.3       | 6.6                      | <b>4.5</b>   | 0.21                | 0.54                | 827        | 1.1       | 5.2                      | <b>2.8</b>   | 0.15                | 0.34                | C90             |
| Lymphoid leukaemia           | 1077      | 1.4       | 7.0                      | <b>5.6</b>   | 0.26                | 0.52                | 783        | 1.1       | 4.9                      | <b>3.4</b>   | 0.16                | 0.29                | C91             |
| Myeloid leukaemia            | 1033      | 1.3       | 6.7                      | <b>4.9</b>   | 0.25                | 0.52                | 831        | 1.1       | 5.2                      | <b>3.3</b>   | 0.19                | 0.34                | C92-94          |
| Leukaemia unspecified        | 90        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.03                | 82         | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.01                | C95             |
| Myeloproliferative disorders | 286       | 0.4       | 1.9                      | <b>1.3</b>   | 0.08                | 0.14                | 314        | 0.4       | 2.0                      | <b>1.1</b>   | 0.06                | 0.13                | MPD             |
| Myelodysplastic syndromes    | 698       | 0.9       | 4.5                      | <b>2.8</b>   | 0.07                | 0.29                | 612        | 0.8       | 3.8                      | <b>1.9</b>   | 0.07                | 0.21                | MDS             |
| Other and unspecified        | 1696      | 2.2       | 11.0                     | <b>7.4</b>   | 0.36                | 0.80                | 1913       | 2.6       | 12.0                     | <b>6.0</b>   | 0.27                | 0.68                | O&U             |
| All sites                    | 76971     |           | 499.9                    | <b>359.3</b> | 18.46               | 43.67               | 73813      |           | 464.2                    | <b>290.0</b> | 17.75               | 33.40               | C00-96          |
| All sites except C44         | 76762     | 100.0     | 498.6                    | <b>358.3</b> | 18.42               | 43.59               | 73631      | 100.0     | 463.1                    | <b>289.3</b> | 17.71               | 33.33               | C00-96 exc. C44 |

§Includes 1 case of unknown age

## USA, Indiana: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 29        | 0.6       | 2.1                      | <b>2.3</b>   | 0.18                | 0.28                | 12        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                | 0.07                | C01-02          |
| Mouth                        | 26        | 0.5       | 1.9                      | <b>2.0</b>   | 0.15                | 0.24                | 19        | 0.4       | 1.3                      | <b>1.0</b>   | 0.07                | 0.11                | C03-06          |
| Salivary glands              | 13        | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                | 0.10                | 9         | 0.2       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05                | C07-08          |
| Tonsil                       | 26        | 0.5       | 1.9                      | <b>2.0</b>   | 0.12                | 0.25                | 5         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | C09             |
| Other oropharynx             | 11        | 0.2       | 0.8                      | <b>0.9</b>   | 0.06                | 0.11                | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.05                | C10             |
| Nasopharynx                  | 9         | 0.2       | 0.6                      | <b>0.7</b>   | 0.04                | 0.09                | 6         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.05                | C11             |
| Hypopharynx                  | 24        | 0.5       | 1.7                      | <b>1.8</b>   | 0.11                | 0.24                | 8         | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                | 0.04                | C12-13          |
| Pharynx unspecified          | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 4         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.04                | C14             |
| Oesophagus                   | 85        | 1.6       | 6.1                      | <b>6.9</b>   | 0.39                | 0.93                | 45        | 0.9       | 3.0                      | <b>2.5</b>   | 0.13                | 0.36                | C15             |
| Stomach                      | 115       | 2.2       | 8.3                      | <b>8.7</b>   | 0.45                | 1.06                | 83        | 1.7       | 5.5                      | <b>3.8</b>   | 0.16                | 0.40                | C16             |
| Small intestine              | 35        | 0.7       | 2.5                      | <b>2.6</b>   | 0.17                | 0.28                | 45        | 0.9       | 3.0                      | <b>2.7</b>   | 0.20                | 0.34                | C17             |
| Colon                        | 404       | 7.7       | 29.1                     | <b>30.2</b>  | 1.48                | 3.48                | 537       | 10.8      | 35.8                     | <b>28.7</b>  | 1.49                | 3.41                | C18             |
| Rectum                       | 167       | 3.2       | 12.0                     | <b>12.5</b>  | 0.91                | 1.36                | 127       | 2.6       | 8.5                      | <b>6.9</b>   | 0.45                | 0.75                | C19-20          |
| Anus                         | 15        | 0.3       | 1.1                      | <b>1.0</b>   | 0.10                | 0.10                | 22        | 0.4       | 1.5                      | <b>1.3</b>   | 0.11                | 0.14                | C21             |
| Liver                        | 139       | 2.7       | 10.0                     | <b>10.7</b>  | 0.88                | 1.27                | 49        | 1.0       | 3.3                      | <b>2.8</b>   | 0.18                | 0.33                | C22             |
| Gallbladder etc.             | 23        | 0.4       | 1.7                      | <b>1.6</b>   | 0.08                | 0.17                | 30        | 0.6       | 2.0                      | <b>1.6</b>   | 0.10                | 0.19                | C23-24          |
| Pancreas                     | 145       | 2.8       | 10.4                     | <b>11.3</b>  | 0.71                | 1.47                | 173       | 3.5       | 11.5                     | <b>9.0</b>   | 0.42                | 1.05                | C25             |
| Nose, sinuses etc.           | 6         | 0.1       | 0.4                      | <b>0.5</b>   | 0.04                | 0.06                | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C30-31          |
| Larynx                       | 105       | 2.0       | 7.6                      | <b>8.2</b>   | 0.55                | 0.98                | 32        | 0.6       | 2.1                      | <b>1.9</b>   | 0.14                | 0.23                | C32             |
| Trachea, bronchus and lung   | 986       | 18.8      | 70.9                     | <b>75.6</b>  | 3.88                | 9.35                | 773       | 15.5      | 51.5                     | <b>43.4</b>  | 2.32                | 5.49                | C33-34          |
| Other thoracic organs        | 9         | 0.2       | 0.6                      | <b>0.7</b>   | 0.04                | 0.08                | 7         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.03                | C37-38          |
| Bone                         | 15        | 0.3       | 1.1                      | <b>1.1</b>   | 0.06                | 0.10                | 6         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                | 0.03                | C40-41          |
| Melanoma of skin             | 9         | 0.2       | 0.6                      | <b>0.6</b>   | 0.03                | 0.03                | 13        | 0.3       | 0.9                      | <b>0.7</b>   | 0.04                | 0.09                | C43             |
| Other skin                   | 13        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                | 0.10                | 15        | 0.3       | 1.0                      | <b>1.0</b>   | 0.08                | 0.09                | C44             |
| Mesothelioma                 | 10        | 0.2       | 0.7                      | <b>0.7</b>   | 0.02                | 0.08                | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C45             |
| Kaposi sarcoma               | 15        | 0.3       | 1.1                      | <b>1.0</b>   | 0.09                | 0.09                | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C46             |
| Connective and soft tissue   | 32        | 0.6       | 2.3                      | <b>2.4</b>   | 0.14                | 0.27                | 43        | 0.9       | 2.9                      | <b>2.6</b>   | 0.16                | 0.23                | C47+C49         |
| Breast                       | 11        | 0.2       | 0.8                      | <b>0.8</b>   | 0.06                | 0.09                | 1384      | 27.8      | 92.2                     | <b>80.8</b>  | 5.80                | 9.36                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 24        | 0.5       | 1.6                      | <b>1.4</b>   | 0.11                | 0.15                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 13        | 0.3       | 0.9                      | <b>0.7</b>   | 0.04                | 0.08                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 130       | 2.6       | 8.7                      | <b>7.7</b>   | 0.59                | 0.79                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 234       | 4.7       | 15.6                     | <b>14.6</b>  | 0.93                | 2.01                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 10        | 0.2       | 0.7                      | <b>0.5</b>   | 0.04                | 0.06                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 125       | 2.5       | 8.3                      | <b>6.9</b>   | 0.41                | 0.83                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 9         | 0.2       | 0.6                      | <b>0.5</b>   | 0.02                | 0.06                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 5         | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                | 0.05                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 1716      | 32.8      | 123.4                    | <b>139.2</b> | 7.47                | 18.93               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 15        | 0.3       | 1.1                      | <b>1.0</b>   | 0.07                | 0.07                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 210       | 4.0       | 15.1                     | <b>15.5</b>  | 1.05                | 1.68                | 139       | 2.8       | 9.3                      | <b>8.3</b>   | 0.53                | 0.99                | C64             |
| Renal pelvis                 | 11        | 0.2       | 0.8                      | <b>0.9</b>   | 0.07                | 0.10                | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C65             |
| Ureter                       | 3         | 0.1       | 0.2                      | <b>0.3</b>   | 0.02                | 0.04                | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C66             |
| Bladder                      | 151       | 2.9       | 10.9                     | <b>11.7</b>  | 0.49                | 1.37                | 76        | 1.5       | 5.1                      | <b>3.8</b>   | 0.16                | 0.43                | C67             |
| Other urinary organs         | 3         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.05                | 6         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                | 0.03                | C68             |
| Eye                          | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.03                | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C69             |
| Brain, nervous system        | 52        | 1.0       | 3.7                      | <b>3.9</b>   | 0.21                | 0.34                | 44        | 0.9       | 2.9                      | <b>3.1</b>   | 0.18                | 0.26                | C70-72          |
| Thyroid                      | 28        | 0.5       | 2.0                      | <b>1.9</b>   | 0.15                | 0.16                | 103       | 2.1       | 6.9                      | <b>6.3</b>   | 0.50                | 0.62                | C73             |
| Adrenal gland                | 6         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                | 0.02                | 5         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | C74             |
| Other endocrine              | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 43        | 0.8       | 3.1                      | <b>3.0</b>   | 0.21                | 0.27                | 28        | 0.6       | 1.9                      | <b>1.7</b>   | 0.12                | 0.15                | C81             |
| Non-Hodgkin lymphoma         | 132       | 2.5       | 9.5                      | <b>9.6</b>   | 0.56                | 1.05                | 162       | 3.3       | 10.8                     | <b>9.6</b>   | 0.59                | 1.11                | C82-85,C96      |
| Immunoproliferative diseases | 2         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                | 0.03                | 3         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | C88             |
| Multiple myeloma             | 115       | 2.2       | 8.3                      | <b>8.9</b>   | 0.46                | 1.03                | 108       | 2.2       | 7.2                      | <b>5.7</b>   | 0.34                | 0.64                | C90             |
| Lymphoid leukaemia           | 49        | 0.9       | 3.5                      | <b>3.5</b>   | 0.12                | 0.32                | 41        | 0.8       | 2.7                      | <b>2.5</b>   | 0.12                | 0.22                | C91             |
| Myeloid leukaemia            | 59        | 1.1       | 4.2                      | <b>4.3</b>   | 0.26                | 0.45                | 47        | 0.9       | 3.1                      | <b>2.6</b>   | 0.15                | 0.28                | C92-94          |
| Leukaemia unspecified        | 6         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.02                | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C95             |
| Myeloproliferative disorders | 11        | 0.2       | 0.8                      | <b>0.8</b>   | 0.02                | 0.10                | 21        | 0.4       | 1.4                      | <b>1.1</b>   | 0.06                | 0.11                | MPD             |
| Myelodysplastic syndromes    | 22        | 0.4       | 1.6                      | <b>1.5</b>   | 0.06                | 0.10                | 31        | 0.6       | 2.1                      | <b>1.7</b>   | 0.06                | 0.26                | MDS             |
| Other and unspecified        | 121       | 2.3       | 8.7                      | <b>9.1</b>   | 0.51                | 1.03                | 158       | 3.2       | 10.5                     | <b>8.1</b>   | 0.36                | 0.93                | O&U             |
| All sites                    | 5246      |           | 377.3                    | <b>405.9</b> | 22.70               | 49.90               | 4990      |           | 332.6                    | <b>283.5</b> | 17.54               | 33.11               | C00-96          |
| All sites except C44         | 5233      | 100.0     | 376.4                    | <b>405.0</b> | 22.65               | 49.80               | 4975      | 100.0     | 331.6                    | <b>282.5</b> | 17.47               | 33.02               | C00-96 exc. C44 |



## USA, Indiana: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 102       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.05       | 40        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 588       | 0.8       | 4.3                      | <b>3.1</b>   | 0.25                     | 0.37       | 262       | 0.4                      | 1.9       | <b>1.1</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 391       | 0.6       | 2.8                      | <b>2.0</b>   | 0.13                     | 0.24       | 264       | 0.4                      | 1.9       | <b>1.0</b>               | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 211       | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.11       | 147       | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 460       | 0.7       | 3.3                      | <b>2.5</b>   | 0.21                     | 0.29       | 101       | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 98        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.07       | 38        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 83        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05       | 39        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 150       | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.10       | 38        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 60        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04       | 11        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 1262      | 1.8       | 9.2                      | <b>6.4</b>   | 0.36                     | 0.81       | 320       | 0.5                      | 2.3       | <b>1.2</b>               | 0.06   | 0.14  | C15             |
| Stomach                      | 956       | 1.4       | 7.0                      | <b>4.5</b>   | 0.22                     | 0.53       | 556       | 0.8                      | 3.9       | <b>2.0</b>               | 0.10   | 0.22  | C16             |
| Small intestine              | 308       | 0.4       | 2.2                      | <b>1.6</b>   | 0.09                     | 0.19       | 277       | 0.4                      | 2.0       | <b>1.2</b>               | 0.07   | 0.13  | C17             |
| Colon                        | 5257      | 7.5       | 38.3                     | <b>24.9</b>  | 1.10                     | 2.93       | 5664      | 8.4                      | 40.1      | <b>19.7</b>              | 0.89   | 2.27  | C18             |
| Rectum                       | 2306      | 3.3       | 16.8                     | <b>11.5</b>  | 0.66                     | 1.40       | 1745      | 2.6                      | 12.4      | <b>7.1</b>               | 0.42   | 0.85  | C19-20          |
| Anus                         | 160       | 0.2       | 1.2                      | <b>0.8</b>   | 0.06                     | 0.09       | 353       | 0.5                      | 2.5       | <b>1.6</b>               | 0.12   | 0.18  | C21             |
| Liver                        | 947       | 1.4       | 6.9                      | <b>4.9</b>   | 0.28                     | 0.59       | 437       | 0.6                      | 3.1       | <b>1.7</b>               | 0.08   | 0.20  | C22             |
| Gallbladder etc.             | 350       | 0.5       | 2.5                      | <b>1.6</b>   | 0.07                     | 0.17       | 504       | 0.7                      | 3.6       | <b>1.8</b>               | 0.08   | 0.21  | C23-24          |
| Pancreas                     | 1703      | 2.4       | 12.4                     | <b>8.2</b>   | 0.41                     | 0.98       | 1707      | 2.5                      | 12.1      | <b>5.9</b>               | 0.27   | 0.70  | C25             |
| Nose, sinuses etc.           | 127       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07       | 95        | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.05  | C30-31          |
| Larynx                       | 1016      | 1.5       | 7.4                      | <b>5.3</b>   | 0.35                     | 0.68       | 297       | 0.4                      | 2.1       | <b>1.3</b>               | 0.09   | 0.16  | C32             |
| Trachea, bronchus and lung   | 12869     | 18.4      | 93.7                     | <b>62.5</b>  | 2.78                     | 8.01       | 10619     | 15.7                     | 75.2      | <b>42.6</b>              | 2.11   | 5.58  | C33-34          |
| Other thoracic organs        | 64        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04       | 46        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 138       | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.08       | 104       | 0.2                      | 0.7       | <b>0.7</b>               | 0.04   | 0.05  | C40-41          |
| Melanoma of skin             | 2688      | 3.9       | 19.6                     | <b>13.9</b>  | 0.83                     | 1.57       | 2184      | 3.2                      | 15.5      | <b>11.1</b>              | 0.81   | 1.13  | C43             |
| Other skin                   | 185       | 0.3       | 1.3                      | <b>0.9</b>   | 0.04                     | 0.08       | 158       | 0.2                      | 1.1       | <b>0.6</b>               | 0.03   | 0.06  | C44             |
| Mesothelioma                 | 265       | 0.4       | 1.9                      | <b>1.2</b>   | 0.04                     | 0.13       | 78        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 33        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 4         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 463       | 0.7       | 3.4                      | <b>2.5</b>   | 0.13                     | 0.25       | 407       | 0.6                      | 2.9       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 129       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.08       | 18005     | 26.7                     | 127.4     | <b>81.0</b>              | 5.66   | 9.41  | C50             |
| Vulva                        |           |           |                          |              |                          |            | 446       | 0.7                      | 3.2       | <b>1.8</b>               | 0.11   | 0.19  | C51             |
| Vagina                       |           |           |                          |              |                          |            | 112       | 0.2                      | 0.8       | <b>0.4</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |            | 1144      | 1.7                      | 8.1       | <b>6.2</b>               | 0.49   | 0.60  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |            | 4156      | 6.2                      | 29.4      | <b>19.0</b>              | 1.37   | 2.29  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |            | 93        | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |            | 2059      | 3.1                      | 14.6      | <b>8.8</b>               | 0.59   | 0.98  | C56             |
| Other female genital organs  |           |           |                          |              |                          |            | 90        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |            | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 118       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 17009     | 24.4      | 123.9                    | <b>86.4</b>  | 4.28                     | 11.73      |           |                          |           |                          |        |       | C61             |
| Testis                       | 775       | 1.1       | 5.6                      | <b>5.3</b>   | 0.39                     | 0.41       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 31        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2734      | 3.9       | 19.9                     | <b>14.2</b>  | 0.87                     | 1.70       | 1885      | 2.8                      | 13.3      | <b>8.3</b>               | 0.49   | 0.99  | C64             |
| Renal pelvis                 | 164       | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                     | 0.09       | 115       | 0.2                      | 0.8       | <b>0.4</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 112       | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06       | 69        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 4668      | 6.7       | 34.0                     | <b>21.9</b>  | 0.91                     | 2.62       | 1620      | 2.4                      | 11.5      | <b>5.9</b>               | 0.27   | 0.73  | C67             |
| Other urinary organs         | 40        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03       | 29        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C68             |
| Eye                          | 137       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.08       | 117       | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 1123      | 1.6       | 8.2                      | <b>6.7</b>   | 0.41                     | 0.67       | 1005      | 1.5                      | 7.1       | <b>5.4</b>               | 0.33   | 0.52  | C70-72          |
| Thyroid                      | 632       | 0.9       | 4.6                      | <b>3.7</b>   | 0.25                     | 0.39       | 1945      | 2.9                      | 13.8      | <b>11.3</b>              | 0.89   | 1.07  | C73             |
| Adrenal gland                | 47        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.03       | 42        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 31        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 14        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 466       | 0.7       | 3.4                      | <b>3.1</b>   | 0.21                     | 0.26       | 366       | 0.5                      | 2.6       | <b>2.4</b>               | 0.17   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 3039      | 4.4       | 22.1                     | <b>15.3</b>  | 0.83                     | 1.71       | 2867      | 4.3                      | 20.3      | <b>11.4</b>              | 0.63   | 1.32  | C82-85,C96      |
| Immunoproliferative diseases | 50        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.03       | 37        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 894       | 1.3       | 6.5                      | <b>4.3</b>   | 0.20                     | 0.51       | 711       | 1.1                      | 5.0       | <b>2.6</b>               | 0.13   | 0.31  | C90             |
| Lymphoid leukaemia           | 984       | 1.4       | 7.2                      | <b>5.6</b>   | 0.26                     | 0.52       | 720       | 1.1                      | 5.1       | <b>3.4</b>               | 0.16   | 0.29  | C91             |
| Myeloid leukaemia            | 959       | 1.4       | 7.0                      | <b>4.9</b>   | 0.25                     | 0.52       | 769       | 1.1                      | 5.4       | <b>3.4</b>               | 0.19   | 0.35  | C92-94          |
| Leukaemia unspecified        | 81        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.03       | 79        | 0.1                      | 0.6       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 268       | 0.4       | 2.0                      | <b>1.3</b>   | 0.08                     | 0.14       | 277       | 0.4                      | 2.0       | <b>1.0</b>               | 0.05   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 665       | 1.0       | 4.8                      | <b>2.8</b>   | 0.08                     | 0.30       | 565       | 0.8                      | 4.0       | <b>1.9</b>               | 0.07   | 0.21  | MDS             |
| Other and unspecified        | 1562      | 2.2       | 11.4                     | <b>7.3</b>   | 0.35                     | 0.79       | 1742      | 2.6                      | 12.3      | <b>5.9</b>               | 0.27   | 0.66  | O&U             |
| All sites                    | 69958     |           | 509.5                    | <b>351.6</b> | 17.97                    | 42.69      | 67587     |                          | 478.4     | <b>288.7</b>             | 17.65  | 33.21 | C00-96          |
| All sites except C44         | 69773     | 100.0     | 508.1                    | <b>350.7</b> | 17.93                    | 42.61      | 67429     | 100.0                    | 477.3     | <b>288.0</b>             | 17.61  | 33.15 | C00-96 exc. C44 |

§Includes 1 case of unknown age



# USA, Iowa

## REGISTRATION AREA

The Iowa Registry covers the state of Iowa, which is located near the geographical middle of the USA, and is part of the country's so-called agricultural heartland. Iowa's climate is classified as humid continental, with an average annual temperature of 9.5 °C and average annual precipitation of approximately 80 cm. A total of 92% of the state's land area is devoted to agriculture, ranking highest in the USA.

## CANCER CARE FACILITIES

Cancer diagnostic and treatment services are widely available to the entire Iowa population, through both in-state and out-of-state facilities. These services include surgery, radiation therapy, chemotherapy, and other treatment modalities (such as immunotherapy).

## REGISTRY STRUCTURE AND METHODS

Iowa cancer data collection began statewide in 1969 with the National Cancer Institute's (NCI's) Third National Cancer Survey, and resumed in 1973 as part of NCI's SEER Program. The Iowa Registry is located at the University of Iowa and works in collaboration with the Iowa Department of Public Health. Cancer became a reportable disease in Iowa in 1982. Cancer data for Iowa residents are obtained from 158 hospitals, clinics, and pathology laboratories located both within and bordering the state. Employees of the Iowa Registry also abstract data on laptop computers in specified geographical areas not covered by hospital cancer registrars. Quality control activities are carried out daily and constitute a significant portion of the central registry's operation. Cancer data are exchanged with 13 other states. The registry uses active and passive follow-up to obtain survival data. Passive follow-up activities include computerized linkage of data with death certificate information, driver's licence files from the Iowa Department of Transportation, and epidemiological vital status data from the United States Social Security Administration. Active patient follow-up is conducted periodically to track patients previously lost to follow-up. The registry successfully follows more than 98% of all patients into the current year.

## INTERPRETING THE RESULTS

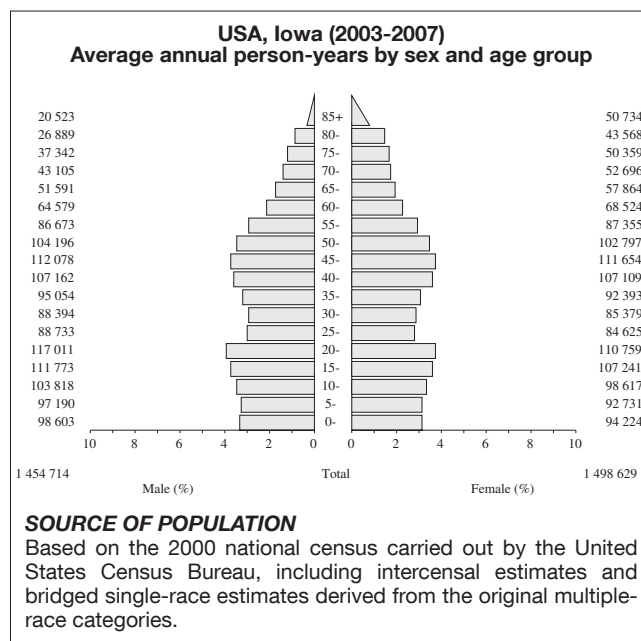
Although some Iowans who leave the state for cancer care are not identified, ascertainment is thought to be about 99%. Screening programmes are not monitored by the registry, but rather by the state through the Behavioral Risk Factor Surveillance System, in conjunction with the United States Centers for Disease Control and Prevention (CDC).

## USE OF THE DATA

Policy-makers look to the registry to provide information about cancer burden and time trends in cancer incidence, stage of disease at diagnosis, survival, and mortality. Annual census counts for cancer rate calculations are based on data prepared by the United States Census Bureau.

## CONTRIBUTORS

Charles F. Lynch  
Kathleen M. McKeen  
Charles E. Platz



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 96.8  | Breast                     | 86.4  |
| Trachea, bronchus and lung | 55.5  | Trachea, bronchus and lung | 36.2  |
| Colon                      | 25.2  | Colon                      | 20.6  |
| Bladder                    | 23.8  | Corpus uteri               | 20.4  |
| Non-Hodgkin lymphoma       | 16.6  | Melanoma of skin           | 12.8  |
| Melanoma of skin           | 15.0  | Thyroid                    | 12.4  |
| Kidney                     | 14.3  | Non-Hodgkin lymphoma       | 12.0  |
| Rectum                     | 12.1  | Ovary                      | 9.6   |
| Pancreas                   | 8.0   | Kidney                     | 7.6   |
| Lymphoid leukaemia         | 7.4   | Rectum                     | 7.4   |
| All sites                  | 365.6 | All sites                  | 295.6 |

## USA, Iowa (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 219       | 0.5       | 3.0                      | 1.7       | 0.06                     | 0.18      | 49        | 0.1                      | 0.7       | 0.3                      | 0.02   | 0.03  | C00             |
| Tongue                       | 304       | 0.7       | 4.2                      | 3.0       | 0.24                     | 0.36      | 167       | 0.4                      | 2.2       | 1.4                      | 0.10   | 0.15  | C01-02          |
| Mouth                        | 243       | 0.6       | 3.3                      | 2.2       | 0.14                     | 0.27      | 141       | 0.4                      | 1.9       | 0.9                      | 0.05   | 0.10  | C03-06          |
| Salivary glands              | 121       | 0.3       | 1.7                      | 1.0       | 0.04                     | 0.10      | 91        | 0.2                      | 1.2       | 0.7                      | 0.05   | 0.08  | C07-08          |
| Tonsil                       | 236       | 0.6       | 3.2                      | 2.4       | 0.20                     | 0.28      | 47        | 0.1                      | 0.6       | 0.4                      | 0.03   | 0.04  | C09             |
| Other oropharynx             | 33        | 0.1       | 0.5                      | 0.3       | 0.02                     | 0.04      | 13        | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 44        | 0.1       | 0.6                      | 0.4       | 0.03                     | 0.05      | 30        | 0.1                      | 0.4       | 0.3                      | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 84        | 0.2       | 1.2                      | 0.8       | 0.04                     | 0.10      | 15        | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 14        | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      | 11        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C14             |
| Oesophagus                   | 752       | 1.8       | 10.3                     | 6.6       | 0.35                     | 0.83      | 189       | 0.5                      | 2.5       | 1.2                      | 0.06   | 0.16  | C15             |
| Stomach                      | 615       | 1.5       | 8.5                      | 5.1       | 0.26                     | 0.58      | 345       | 0.9                      | 4.6       | 2.1                      | 0.10   | 0.24  | C16             |
| Small intestine              | 216       | 0.5       | 3.0                      | 1.9       | 0.09                     | 0.23      | 180       | 0.5                      | 2.4       | 1.3                      | 0.08   | 0.15  | C17             |
| Colon                        | 3136      | 7.5       | 43.1                     | 25.2      | 1.10                     | 2.95      | 3609      | 9.3                      | 48.2      | 20.6                     | 0.84   | 2.39  | C18             |
| Rectum                       | 1363      | 3.3       | 18.7                     | 12.1      | 0.69                     | 1.47      | 1072      | 2.8                      | 14.3      | 7.4                      | 0.44   | 0.85  | C19-20          |
| Anus                         | 75        | 0.2       | 1.0                      | 0.7       | 0.05                     | 0.08      | 165       | 0.4                      | 2.2       | 1.4                      | 0.11   | 0.15  | C21             |
| Liver                        | 485       | 1.2       | 6.7                      | 4.3       | 0.27                     | 0.48      | 242       | 0.6                      | 3.2       | 1.6                      | 0.08   | 0.16  | C22             |
| Gallbladder etc.             | 196       | 0.5       | 2.7                      | 1.5       | 0.05                     | 0.16      | 268       | 0.7                      | 3.6       | 1.6                      | 0.07   | 0.20  | C23-24          |
| Pancreas                     | 959       | 2.3       | 13.2                     | 8.0       | 0.39                     | 0.94      | 1007      | 2.6                      | 13.4      | 6.0                      | 0.27   | 0.69  | C25             |
| Nose, sinuses etc.           | 56        | 0.1       | 0.8                      | 0.5       | 0.04                     | 0.05      | 59        | 0.2                      | 0.8       | 0.4                      | 0.03   | 0.04  | C30-31          |
| Larynx                       | 561       | 1.4       | 7.7                      | 5.2       | 0.30                     | 0.69      | 132       | 0.3                      | 1.8       | 1.2                      | 0.09   | 0.15  | C32             |
| Trachea, bronchus and lung   | 6673      | 16.1      | 91.7                     | 55.5      | 2.51                     | 6.98      | 5097      | 13.2                     | 68.0      | 36.2                     | 1.82   | 4.71  | C33-34          |
| Other thoracic organs        | 29        | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.03      | 25        | 0.1                      | 0.3       | 0.3                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 76        | 0.2       | 1.0                      | 1.0       | 0.06                     | 0.08      | 88        | 0.2                      | 1.2       | 1.1                      | 0.07   | 0.09  | C40-41          |
| Melanoma of skin             | 1610      | 3.9       | 22.1                     | 15.0      | 0.98                     | 1.63      | 1313      | 3.4                      | 17.5      | 12.8                     | 0.95   | 1.24  | C43             |
| Other skin                   | 138       | 0.3       | 1.9                      | 1.1       | 0.05                     | 0.10      | 130       | 0.3                      | 1.7       | 0.9                      | 0.04   | 0.09  | C44             |
| Mesothelioma                 | 101       | 0.2       | 1.4                      | 0.8       | 0.03                     | 0.08      | 31        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 15        | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01      | 2         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 284       | 0.7       | 3.9                      | 2.7       | 0.16                     | 0.28      | 223       | 0.6                      | 3.0       | 2.0                      | 0.12   | 0.19  | C47+C49         |
| Breast                       | 67        | 0.2       | 0.9                      | 0.5       | 0.02                     | 0.07      | 10565     | 27.3                     | 141.0     | 86.4                     | 6.04   | 9.95  | C50             |
| Vulva                        |           |           |                          |           |                          |           | 280       | 0.7                      | 3.7       | 1.9                      | 0.11   | 0.21  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 65        | 0.2                      | 0.9       | 0.4                      | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 524       | 1.4                      | 7.0       | 5.6                      | 0.44   | 0.53  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 2423      | 6.3                      | 32.3      | 20.4                     | 1.46   | 2.52  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 61        | 0.2                      | 0.8       | 0.4                      | 0.04   | 0.04  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 1232      | 3.2                      | 16.4      | 9.6                      | 0.64   | 1.09  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 73        | 0.2                      | 1.0       | 0.6                      | 0.03   | 0.08  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 8         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C58             |
| Penis                        | 76        | 0.2       | 1.0                      | 0.6       | 0.03                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 10839     | 26.1      | 149.0                    | 96.8      | 4.92                     | 13.02     |           |                          |           |                          |        |       | C61             |
| Testis                       | 456       | 1.1       | 6.3                      | 6.1       | 0.45                     | 0.46      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 20        | 0.0       | 0.3                      | 0.2       | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1541      | 3.7       | 21.2                     | 14.3      | 0.90                     | 1.68      | 974       | 2.5                      | 13.0      | 7.6                      | 0.46   | 0.89  | C64             |
| Renal pelvis                 | 94        | 0.2       | 1.3                      | 0.7       | 0.03                     | 0.08      | 74        | 0.2                      | 1.0       | 0.4                      | 0.02   | 0.04  | C65             |
| Ureter                       | 58        | 0.1       | 0.8                      | 0.5       | 0.01                     | 0.06      | 49        | 0.1                      | 0.7       | 0.3                      | 0.01   | 0.03  | C66             |
| Bladder                      | 2991      | 7.2       | 41.1                     | 23.8      | 0.97                     | 2.80      | 898       | 2.3                      | 12.0      | 5.5                      | 0.27   | 0.65  | C67             |
| Other urinary organs         | 42        | 0.1       | 0.6                      | 0.3       | 0.01                     | 0.04      | 21        | 0.1                      | 0.3       | 0.1                      | 0.01   | 0.02  | C68             |
| Eye                          | 91        | 0.2       | 1.3                      | 0.9       | 0.05                     | 0.09      | 80        | 0.2                      | 1.1       | 0.7                      | 0.04   | 0.08  | C69             |
| Brain, nervous system        | 663       | 1.6       | 9.1                      | 7.3       | 0.44                     | 0.72      | 523       | 1.3                      | 7.0       | 5.1                      | 0.31   | 0.48  | C70-72          |
| Thyroid                      | 419       | 1.0       | 5.8                      | 4.4       | 0.33                     | 0.48      | 1104      | 2.8                      | 14.7      | 12.4                     | 0.96   | 1.16  | C73             |
| Adrenal gland                | 26        | 0.1       | 0.4                      | 0.4       | 0.02                     | 0.03      | 18        | 0.0                      | 0.2       | 0.3                      | 0.01   | 0.02  | C74             |
| Other endocrine              | 9         | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 253       | 0.6       | 3.5                      | 3.1       | 0.21                     | 0.26      | 220       | 0.6                      | 2.9       | 2.6                      | 0.17   | 0.22  | C81             |
| Non-Hodgkin lymphoma         | 1872      | 4.5       | 25.7                     | 16.6      | 0.90                     | 1.87      | 1692      | 4.4                      | 22.6      | 12.0                     | 0.67   | 1.37  | C82-85,C96      |
| Immunoproliferative diseases | 53        | 0.1       | 0.7                      | 0.4       | 0.01                     | 0.04      | 35        | 0.1                      | 0.5       | 0.2                      | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 533       | 1.3       | 7.3                      | 4.4       | 0.20                     | 0.52      | 424       | 1.1                      | 5.7       | 2.8                      | 0.14   | 0.34  | C90             |
| Lymphoid leukaemia           | 809       | 1.9       | 11.1                     | 7.4       | 0.32                     | 0.79      | 561       | 1.4                      | 7.5       | 4.3                      | 0.19   | 0.40  | C91             |
| Myeloid leukaemia            | 562       | 1.4       | 7.7                      | 4.8       | 0.23                     | 0.50      | 495       | 1.3                      | 6.6       | 3.6                      | 0.21   | 0.37  | C92-94          |
| Leukaemia unspecified        | 36        | 0.1       | 0.5                      | 0.3       | 0.01                     | 0.03      | 33        | 0.1                      | 0.4       | 0.2                      | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 289       | 0.7       | 4.0                      | 2.6       | 0.14                     | 0.30      | 310       | 0.8                      | 4.1       | 1.9                      | 0.07   | 0.22  | MPD             |
| Myelodysplastic syndromes    | 515       | 1.2       | 7.1                      | 3.6       | 0.10                     | 0.35      | 405       | 1.0                      | 5.4       | 2.0                      | 0.06   | 0.21  | MDS             |
| Other and unspecified        | 739       | 1.8       | 10.2                     | 5.9       | 0.28                     | 0.63      | 988       | 2.5                      | 13.2      | 5.7                      | 0.27   | 0.62  | O&U             |
| All sites                    | 41691     |           | 573.2                    | 365.6     | 18.82                    | 43.96     | 38877     |                          | 518.8     | 295.6                    | 18.17  | 33.65 | C00-96          |
| All sites except C44         | 41553     | 100.0     | 571.3                    | 364.5     | 18.78                    | 43.85     | 38747     | 100.0                    | 517.1     | 294.7                    | 18.13  | 33.56 | C00-96 exc. C44 |

# USA, Kentucky

## REGISTRATION AREA

The Kentucky Cancer Registry (KCR) is a population-based central cancer registry for the state of Kentucky in the USA. The population (4.4 million) is 78.1% White, 13.1% Black, and 8.8% American Indian, Alaska Native, Asian, and of other races.

## CANCER CARE FACILITIES

All health care facilities in Kentucky that diagnose or treat cancer are required to report all cancer cases to the KCR. These facilities include hospitals, free-standing treatment centres, non-hospital (private) pathology laboratories, and physicians' offices.

## REGISTRY STRUCTURE AND METHODS

The KCR is the official population-based cancer registry for Kentucky. In 1991, the Kentucky General Assembly approved legislation requiring that all cancer cases be reported to the registry. The KCR is located at the University of Kentucky and receives funding from the state, the United States Centers for Disease Control and Prevention (CDC), the National Program of Cancer Registries (NPCR), and the National Cancer Institute's (NCI's) SEER Program. The state's larger hospitals (those treating more than 100 new primary cancer cases annually) are required to have their own tumour registrar(s). Regional coordinators employed by the KCR visit these facilities to provide additional training and case re-abstracting for quality control. The smaller hospitals (treating fewer than 100 new primary cancer cases annually) are assigned to one of four KCR regional abstractors, who record and report information on all cancer cases seen in these institutions.

## INTERPRETING THE RESULTS

There has been no change in the area covered or the types of facilities reporting to the KCR. The registry follows the NCI/SEER reporting rules, and its data are believed to be complete and accurate. KCR data have been submitted to the North American Association of Central Cancer Registries (NAACCR) for evaluation of completeness and accuracy, and the registry has

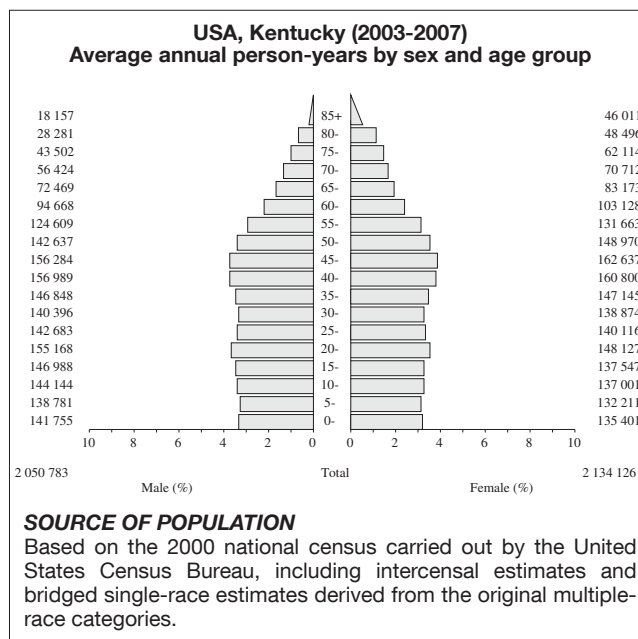
achieved NAACCR Gold Certification every year from 1997 to 2010. Screening programmes for breast, cervical, and colorectal cancer in Kentucky are provided through the local public health departments, and education efforts to encourage age-eligible individuals to have a screening test are conducted by the Kentucky Cancer Program. These efforts are guided by data from the KCR, which are combined with data from other population-based sources to create an index of the burden associated with the major types of cancer in 15 geographical regions of Kentucky.

## USE OF THE DATA

KCR data are used to initiate cancer control programmes, evaluate intervention activities, and conduct epidemiological research.

## CONTRIBUTOR

Thomas C. Tucker



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 95.2  | Breast                     | 85.6  |
| Trachea, bronchus and lung | 84.9  | Trachea, bronchus and lung | 53.6  |
| Colon                      | 28.1  | Colon                      | 21.5  |
| Bladder                    | 22.5  | Corpus uteri               | 17.5  |
| Melanoma of skin           | 17.8  | Melanoma of skin           | 14.2  |
| Non-Hodgkin lymphoma       | 15.7  | Thyroid                    | 12.7  |
| Kidney                     | 15.1  | Non-Hodgkin lymphoma       | 11.4  |
| Rectum                     | 13.9  | Rectum                     | 9.0   |
| Pancreas                   | 8.3   | Ovary                      | 8.6   |
| Other and unspecified      | 8.0   | Kidney                     | 8.4   |
| All sites                  | 402.8 | All sites                  | 316.0 |

## USA, Kentucky (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 202       | 0.3       | 2.0                      | 1.3       | 0.07                     | 0.15      | 69        | 0.1                      | 0.6       | 0.3                      | 0.01   | 0.03  | C00             |
| Tongue                       | 436       | 0.7       | 4.3                      | 3.1       | 0.23                     | 0.38      | 172       | 0.3                      | 1.6       | 1.0                      | 0.07   | 0.12  | C01-02          |
| Mouth                        | 398       | 0.7       | 3.9                      | 2.8       | 0.19                     | 0.35      | 213       | 0.4                      | 2.0       | 1.1                      | 0.07   | 0.13  | C03-06          |
| Salivary glands              | 147       | 0.3       | 1.4                      | 1.0       | 0.05                     | 0.10      | 99        | 0.2                      | 0.9       | 0.6                      | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 384       | 0.7       | 3.7                      | 2.8       | 0.24                     | 0.33      | 108       | 0.2                      | 1.0       | 0.7                      | 0.06   | 0.07  | C09             |
| Other oropharynx             | 85        | 0.1       | 0.8                      | 0.6       | 0.04                     | 0.07      | 28        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 79        | 0.1       | 0.8                      | 0.6       | 0.05                     | 0.06      | 36        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 150       | 0.3       | 1.5                      | 1.0       | 0.06                     | 0.13      | 42        | 0.1                      | 0.4       | 0.2                      | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 32        | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02      | 13        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C14             |
| Oesophagus                   | 938       | 1.6       | 9.1                      | 6.5       | 0.41                     | 0.79      | 234       | 0.4                      | 2.2       | 1.2                      | 0.05   | 0.14  | C15             |
| Stomach                      | 755       | 1.3       | 7.4                      | 5.0       | 0.27                     | 0.60      | 505       | 0.9                      | 4.7       | 2.4                      | 0.11   | 0.27  | C16             |
| Small intestine              | 254       | 0.4       | 2.5                      | 1.7       | 0.10                     | 0.21      | 234       | 0.4                      | 2.2       | 1.3                      | 0.08   | 0.16  | C17             |
| Colon                        | 4260      | 7.3       | 41.5                     | 28.1      | 1.34                     | 3.34      | 4362      | 8.0                      | 40.9      | 21.5                     | 1.07   | 2.50  | C18             |
| Rectum                       | 2026      | 3.5       | 19.8                     | 13.9      | 0.79                     | 1.69      | 1606      | 3.0                      | 15.1      | 9.0                      | 0.57   | 1.04  | C19-20          |
| Anus                         | 135       | 0.2       | 1.3                      | 1.0       | 0.07                     | 0.11      | 268       | 0.5                      | 2.5       | 1.6                      | 0.11   | 0.17  | C21             |
| Liver                        | 742       | 1.3       | 7.2                      | 5.1       | 0.32                     | 0.59      | 349       | 0.6                      | 3.3       | 1.9                      | 0.10   | 0.22  | C22             |
| Gallbladder etc.             | 239       | 0.4       | 2.3                      | 1.5       | 0.06                     | 0.17      | 348       | 0.6                      | 3.3       | 1.6                      | 0.08   | 0.19  | C23-24          |
| Pancreas                     | 1258      | 2.1       | 12.3                     | 8.3       | 0.40                     | 1.04      | 1287      | 2.4                      | 12.1      | 6.1                      | 0.29   | 0.71  | C25             |
| Nose, sinuses etc.           | 125       | 0.2       | 1.2                      | 0.9       | 0.05                     | 0.11      | 75        | 0.1                      | 0.7       | 0.4                      | 0.02   | 0.05  | C30-31          |
| Larynx                       | 988       | 1.7       | 9.6                      | 7.0       | 0.45                     | 0.88      | 305       | 0.6                      | 2.9       | 2.0                      | 0.13   | 0.26  | C32             |
| Trachea, bronchus and lung   | 12648     | 21.6      | 123.3                    | 84.9      | 4.08                     | 10.97     | 9632      | 17.8                     | 90.3      | 53.6                     | 2.86   | 7.09  | C33-34          |
| Other thoracic organs        | 52        | 0.1       | 0.5                      | 0.4       | 0.02                     | 0.04      | 42        | 0.1                      | 0.4       | 0.3                      | 0.02   | 0.03  | C37-38          |
| Bone                         | 119       | 0.2       | 1.2                      | 1.1       | 0.06                     | 0.09      | 93        | 0.2                      | 0.9       | 0.8                      | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 2554      | 4.4       | 24.9                     | 17.8      | 1.13                     | 2.01      | 2082      | 3.8                      | 19.5      | 14.2                     | 1.04   | 1.42  | C43             |
| Other skin                   | 152       | 0.3       | 1.5                      | 1.1       | 0.06                     | 0.10      | 115       | 0.2                      | 1.1       | 0.7                      | 0.05   | 0.07  | C44             |
| Mesothelioma                 | 126       | 0.2       | 1.2                      | 0.8       | 0.03                     | 0.09      | 39        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 36        | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.02      | 8         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 363       | 0.6       | 3.5                      | 2.7       | 0.16                     | 0.27      | 291       | 0.5                      | 2.7       | 1.9                      | 0.12   | 0.18  | C47+C49         |
| Breast                       | 91        | 0.2       | 0.9                      | 0.6       | 0.03                     | 0.07      | 14098     | 26.0                     | 132.1     | 85.6                     | 6.13   | 9.84  | C50             |
| Vulva                        |           |           |                          |           |                          |           | 384       | 0.7                      | 3.6       | 2.2                      | 0.14   | 0.23  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 105       | 0.2                      | 1.0       | 0.6                      | 0.03   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 1025      | 1.9                      | 9.6       | 7.3                      | 0.58   | 0.72  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 2830      | 5.2                      | 26.5      | 17.5                     | 1.30   | 2.09  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 63        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.02  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 1456      | 2.7                      | 13.6      | 8.6                      | 0.58   | 0.97  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 55        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 4         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C58             |
| Penis                        | 119       | 0.2       | 1.2                      | 0.8       | 0.04                     | 0.10      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 13961     | 23.8      | 136.2                    | 95.2      | 4.82                     | 12.78     |           |                          |           |                          |        |       | C61             |
| Testis                       | 487       | 0.8       | 4.7                      | 4.4       | 0.32                     | 0.34      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 12        | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2157      | 3.7       | 21.0                     | 15.1      | 0.97                     | 1.77      | 1407      | 2.6                      | 13.2      | 8.4                      | 0.53   | 0.98  | C64             |
| Renal pelvis                 | 128       | 0.2       | 1.2                      | 0.8       | 0.03                     | 0.09      | 114       | 0.2                      | 1.1       | 0.5                      | 0.02   | 0.06  | C65             |
| Ureter                       | 83        | 0.1       | 0.8                      | 0.5       | 0.03                     | 0.06      | 62        | 0.1                      | 0.6       | 0.3                      | 0.01   | 0.03  | C66             |
| Bladder                      | 3514      | 6.0       | 34.3                     | 22.5      | 0.95                     | 2.66      | 1221      | 2.3                      | 11.4      | 6.1                      | 0.29   | 0.74  | C67             |
| Other urinary organs         | 30        | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02      | 22        | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 116       | 0.2       | 1.1                      | 1.0       | 0.06                     | 0.09      | 93        | 0.2                      | 0.9       | 0.6                      | 0.04   | 0.07  | C69             |
| Brain, nervous system        | 856       | 1.5       | 8.3                      | 7.0       | 0.45                     | 0.68      | 673       | 1.2                      | 6.3       | 4.9                      | 0.31   | 0.46  | C70-72          |
| Thyroid                      | 520       | 0.9       | 5.1                      | 4.0       | 0.29                     | 0.42      | 1695      | 3.1                      | 15.9      | 12.7                     | 0.98   | 1.21  | C73             |
| Adrenal gland                | 31        | 0.1       | 0.3                      | 0.4       | 0.02                     | 0.02      | 40        | 0.1                      | 0.4       | 0.4                      | 0.02   | 0.03  | C74             |
| Other endocrine              | 10        | 0.0       | 0.1                      | 0.1       | 0.00                     | 0.01      | 12        | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C75             |
| Hodgkin lymphoma             | 344       | 0.6       | 3.4                      | 3.0       | 0.20                     | 0.26      | 237       | 0.4                      | 2.2       | 2.0                      | 0.13   | 0.15  | C81             |
| Non-Hodgkin lymphoma         | 2262      | 3.9       | 22.1                     | 15.7      | 0.87                     | 1.76      | 2085      | 3.8                      | 19.5      | 11.4                     | 0.64   | 1.33  | C82-85,C96      |
| Immunoproliferative diseases | 33        | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02      | 14        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 683       | 1.2       | 6.7                      | 4.4       | 0.21                     | 0.50      | 583       | 1.1                      | 5.5       | 3.0                      | 0.16   | 0.36  | C90             |
| Lymphoid leukaemia           | 869       | 1.5       | 8.5                      | 6.7       | 0.32                     | 0.67      | 579       | 1.1                      | 5.4       | 3.5                      | 0.15   | 0.35  | C91             |
| Myeloid leukaemia            | 629       | 1.1       | 6.1                      | 4.6       | 0.25                     | 0.48      | 566       | 1.0                      | 5.3       | 3.4                      | 0.18   | 0.34  | C92-94          |
| Leukaemia unspecified        | 60        | 0.1       | 0.6                      | 0.4       | 0.01                     | 0.03      | 67        | 0.1                      | 0.6       | 0.3                      | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 388       | 0.7       | 3.8                      | 2.8       | 0.18                     | 0.31      | 270       | 0.5                      | 2.5       | 1.5                      | 0.09   | 0.17  | MPD             |
| Myelodysplastic syndromes    | 488       | 0.8       | 4.8                      | 2.9       | 0.09                     | 0.30      | 496       | 0.9                      | 4.6       | 2.2                      | 0.08   | 0.23  | MDS             |
| Other and unspecified        | 1211      | 2.1       | 11.8                     | 8.0       | 0.41                     | 0.89      | 1423      | 2.6                      | 13.3      | 6.9                      | 0.33   | 0.79  | O&U             |
| All sites                    | 58765     |           | 573.1                    | 402.8     | 21.35                    | 49.02     | 54334     |                          | 509.2     | 316.0                    | 19.87  | 36.41 | C00-96          |
| All sites except C44         | 58613     | 100.0     | 571.6                    | 401.7     | 21.30                    | 48.92     | 54219     | 100.0                    | 508.1     | 315.2                    | 19.82  | 36.34 | C00-96 exc. C44 |

# USA, Louisiana

## REGISTRATION AREA

The Louisiana Tumor Registry (LTR) covers the state of Louisiana, with a population of 4.4 million (63.9% White, 32.5% Black, 1.2% Asian, and 2.4% Latin American). About 25% of residents live in rural areas. One unique subpopulation in Louisiana is the Cajuns (descendants of French Canadians). Louisiana has a lower socioeconomic status than the USA average.

## CANCER CARE FACILITIES

Approximately 125 hospitals provide cancer care, and most have accredited cancer programmes. The number of free-standing outpatient surgery facilities has been increasing. Louisiana offers free medical care to indigent residents through 10 public hospitals.

## REGISTRY STRUCTURE AND METHODS

The LTR is based at Louisiana State University (LSU) and has eight regional offices. It is funded by LSU and through federal grants. The LTR has about 50 employees. Louisiana law mandates all licensed health care facilities and providers who diagnose and/or treat cancer to report all new cases to the LTR. It also requires data confidentiality and exempts providers from liability for reporting. About 70% of incident cases are submitted electronically and the rest are abstracted by LTR staff members. Non-hospital data sources include pathology laboratories and radiation and dermatology clinics. Quality control is routinely conducted. The LTR collects all SEER- and National Program of Cancer Registries (NPCR)-required items and follows SEER coding guidelines.

## INTERPRETING THE RESULTS

Hurricanes Katrina and Rita hit southern Louisiana in 2005, resulting in major flooding, evacuation, and disruption of medical care. As a result, inaccurate population estimates and incomplete case capture may influence incidence rates. Louisiana has a breast and cervical health programme (<http://lbchp.org/>), and the Mary Bird Perkins Cancer Center (<http://www.marybird.org/calendar-of-events>) offers screening for colorectal, breast, prostate, skin, and oral cancers. The Feist-Weiller Cancer Center operates a mobile

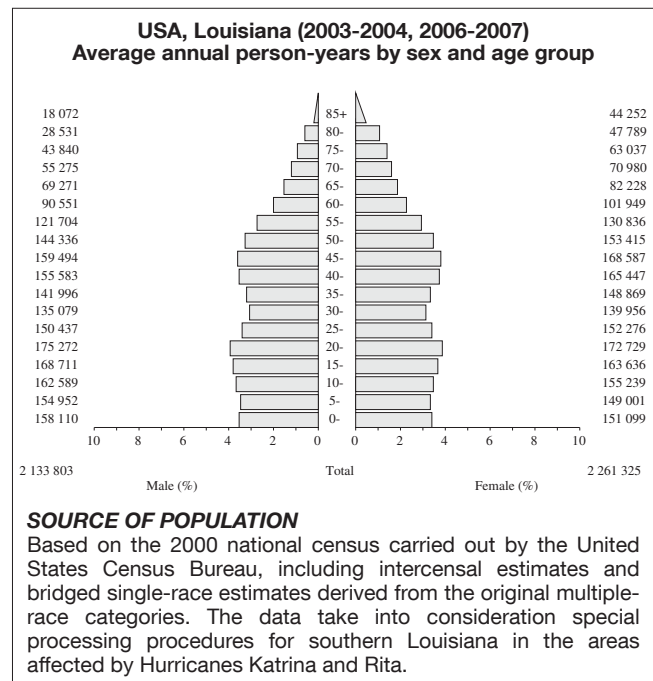
cancer screening unit that travels to 15 rural communities. Partners in Wellness cancer screening is free to financially qualified uninsured or underinsured individuals.

## USE OF THE DATA

Incidence data are published annually in the *Cancer in Louisiana* series, available from the registry website (<http://louisianatumorregistry.lsuhs.edu/>). The data are included in several databases for public use. Registry data are used for research, cancer control planning, and health services evaluation.

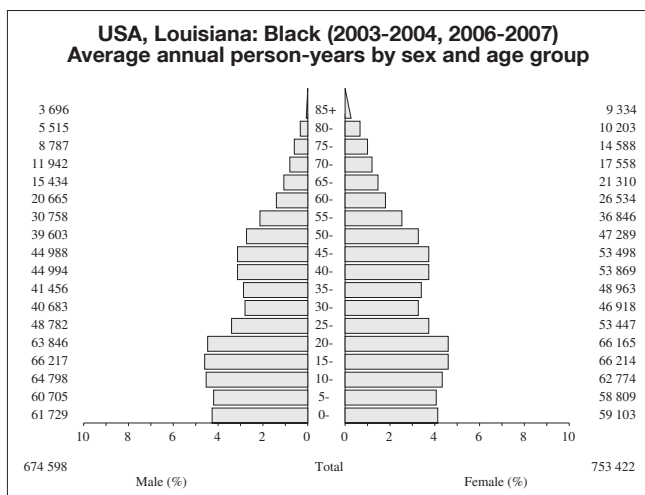
## CONTRIBUTORS

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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

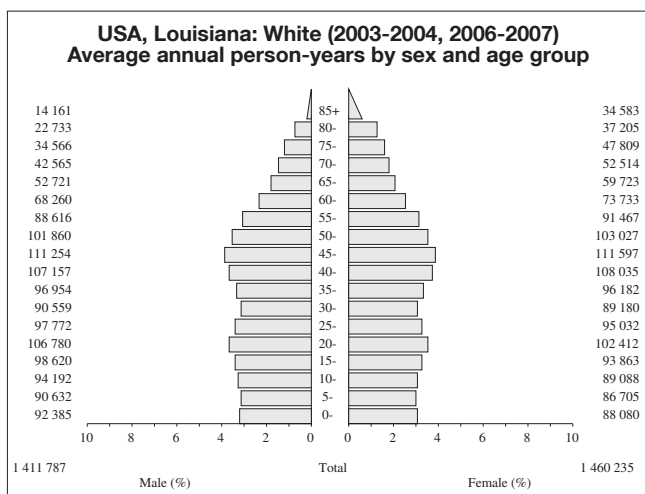
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 119.0 | Breast                     | 84.4  |
| Trachea, bronchus and lung | 68.7  | Trachea, bronchus and lung | 39.2  |
| Colon                      | 28.9  | Colon                      | 21.4  |
| Bladder                    | 20.6  | Corpus uteri               | 12.0  |
| Non-Hodgkin lymphoma       | 16.3  | Non-Hodgkin lymphoma       | 11.1  |
| Kidney                     | 15.8  | Thyroid                    | 9.6   |
| Rectum                     | 13.2  | Kidney                     | 8.9   |
| Melanoma of skin           | 11.2  | Rectum                     | 8.0   |
| Pancreas                   | 9.0   | Ovary                      | 7.9   |
| Other and unspecified      | 8.4   | Cervix uteri               | 7.4   |
| All sites                  | 408.8 | All sites                  | 282.5 |



NOTES ON THE DATA: \*No official mortality data.

**USA, LOUISIANA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 165.2 | Breast                     | 88.0  |
| Trachea, bronchus and lung | 83.5  | Trachea, bronchus and lung | 35.5  |
| Colon                      | 35.9  | Colon                      | 26.9  |
| Kidney                     | 15.6  | Corpus uteri               | 13.0  |
| Rectum                     | 13.8  | Cervix uteri               | 10.2  |
| Stomach                    | 13.4  | Rectum                     | 9.3   |
| Non-Hodgkin lymphoma       | 13.2  | Pancreas                   | 9.1   |
| Bladder                    | 12.6  | Kidney                     | 8.6   |
| Liver                      | 11.4  | Non-Hodgkin lymphoma       | 8.3   |
| Pancreas                   | 11.4  | Multiple myeloma           | 6.9   |
| All sites                  | 473.5 | All sites                  | 285.6 |



NOTES ON THE DATA: \*No official mortality data.

**USA, LOUISIANA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 105.4 | Breast                     | 83.6  |
| Trachea, bronchus and lung | 64.5  | Trachea, bronchus and lung | 41.0  |
| Colon                      | 27.2  | Colon                      | 19.4  |
| Bladder                    | 23.1  | Non-Hodgkin lymphoma       | 12.2  |
| Non-Hodgkin lymphoma       | 17.2  | Corpus uteri               | 11.9  |
| Kidney                     | 16.0  | Thyroid                    | 11.4  |
| Melanoma of skin           | 14.9  | Melanoma of skin           | 9.7   |
| Rectum                     | 13.0  | Kidney                     | 9.2   |
| Pancreas                   | 8.4   | Ovary                      | 8.5   |
| Other and unspecified      | 7.7   | Rectum                     | 7.7   |
| All sites                  | 392.6 | All sites                  | 284.5 |



## USA, Louisiana (2003-2004, 2006-2007)

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 99        | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                | 0.12                | 24        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C00                 |
| Tongue                       | 380       | 0.8       | 4.5                      | <b>3.4</b>   | 0.23                | 0.43                | 169       | 0.4       | 1.9                      | <b>1.2</b>   | 0.08   | 0.13                | C01-02              |
| Mouth                        | 296       | 0.6       | 3.5                      | <b>2.6</b>   | 0.19                | 0.32                | 168       | 0.4       | 1.9                      | <b>1.1</b>   | 0.06   | 0.13                | C03-06              |
| Salivary glands              | 118       | 0.3       | 1.4                      | <b>1.0</b>   | 0.04                | 0.11                | 83        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04   | 0.06                | C07-08              |
| Tonsil                       | 313       | 0.7       | 3.7                      | <b>2.8</b>   | 0.24                | 0.34                | 65        | 0.2       | 0.7                      | <b>0.5</b>   | 0.04   | 0.06                | C09                 |
| Other oropharynx             | 68        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.08                | 15        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C10                 |
| Nasopharynx                  | 91        | 0.2       | 1.1                      | <b>0.9</b>   | 0.06                | 0.10                | 41        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.03                | C11                 |
| Hypopharynx                  | 162       | 0.3       | 1.9                      | <b>1.4</b>   | 0.09                | 0.19                | 32        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.04                | C12-13              |
| Pharynx unspecified          | 40        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C14                 |
| Oesophagus                   | 699       | 1.5       | 8.2                      | <b>6.1</b>   | 0.37                | 0.77                | 207       | 0.5       | 2.3                      | <b>1.3</b>   | 0.07   | 0.16                | C15                 |
| Stomach                      | 877       | 1.9       | 10.3                     | <b>7.4</b>   | 0.37                | 0.89                | 574       | 1.5       | 6.3                      | <b>3.5</b>   | 0.17   | 0.37                | C16                 |
| Small intestine              | 191       | 0.4       | 2.2                      | <b>1.7</b>   | 0.08                | 0.21                | 203       | 0.5       | 2.2                      | <b>1.4</b>   | 0.09   | 0.17                | C17                 |
| Colon                        | 3460      | 7.4       | 40.5                     | <b>28.9</b>  | 1.46                | 3.49                | 3339      | 8.5       | 36.9                     | <b>21.4</b>  | 1.12   | 2.52                | C18                 |
| Rectum                       | 1505      | 3.2       | 17.6                     | <b>13.2</b>  | 0.84                | 1.59                | 1151      | 2.9       | 12.7                     | <b>8.0</b>   | 0.51   | 0.92                | C19-20              |
| Anus                         | 110       | 0.2       | 1.3                      | <b>1.0</b>   | 0.07                | 0.11                | 161       | 0.4       | 1.8                      | <b>1.1</b>   | 0.07   | 0.13                | C21                 |
| Liver                        | 883       | 1.9       | 10.3                     | <b>7.7</b>   | 0.52                | 0.89                | 317       | 0.8       | 3.5                      | <b>2.2</b>   | 0.12   | 0.26                | C22                 |
| Gallbladder etc.             | 210       | 0.4       | 2.5                      | <b>1.7</b>   | 0.06                | 0.19                | 229       | 0.6       | 2.5                      | <b>1.5</b>   | 0.07   | 0.19                | C23-24              |
| Pancreas                     | 1083      | 2.3       | 12.7                     | <b>9.0</b>   | 0.47                | 1.07                | 1168      | 3.0       | 12.9                     | <b>7.0</b>   | 0.34   | 0.82                | C25                 |
| Nose, sinuses etc.           | 87        | 0.2       | 1.0                      | <b>0.8</b>   | 0.06                | 0.09                | 47        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.03                | C30-31              |
| Larynx                       | 815       | 1.7       | 9.5                      | <b>7.3</b>   | 0.46                | 0.93                | 206       | 0.5       | 2.3                      | <b>1.6</b>   | 0.10   | 0.19                | C32                 |
| Trachea, bronchus and lung   | 8120      | 17.3      | 95.1                     | <b>68.7</b>  | 3.33                | 8.65                | 5796      | 14.8      | 64.1                     | <b>39.2</b>  | 2.01   | 5.05                | C33-34              |
| Other thoracic organs        | 42        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04                | 40        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02   | 0.04                | C37-38              |
| Bone                         | 74        | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                | 0.06                | 67        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04   | 0.06                | C40-41              |
| Melanoma of skin             | 1286      | 2.7       | 15.1                     | <b>11.2</b>  | 0.66                | 1.25                | 872       | 2.2       | 9.6                      | <b>6.9</b>   | 0.49   | 0.69                | C43                 |
| Other skin                   | 144       | 0.4       | 1.7                      | <b>1.2</b>   | 0.06                | 0.12                | 113       | 0.3       | 1.2                      | <b>0.9</b>   | 0.05   | 0.08                | C44                 |
| Mesothelioma                 | 184       | 0.4       | 2.2                      | <b>1.5</b>   | 0.07                | 0.16                | 56        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02   | 0.04                | C45                 |
| Kaposi sarcoma               | 70        | 0.1       | 0.8                      | <b>0.7</b>   | 0.04                | 0.06                | 20        | 0.1       | 0.2                      | <b>0.1</b>   | 0.00   | 0.01                | C46                 |
| Connective and soft tissue   | 343       | 0.7       | 4.0                      | <b>3.2</b>   | 0.19                | 0.32                | 280       | 0.7       | 3.1                      | <b>2.3</b>   | 0.14   | 0.22                | C47+C49             |
| Breast                       | 105       | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                | 0.11                | 11233     | 28.6      | 124.2                    | <b>84.4</b>  | 5.95   | 9.74                | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 262       | 0.7       | 2.9                      | <b>1.8</b>   | 0.12   | 0.18                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 82        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04   | 0.07                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 841       | 2.1       | 9.3                      | <b>7.4</b>   | 0.60   | 0.71                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 1584      | 4.0       | 17.5                     | <b>12.0</b>  | 0.87   | 1.45                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 59        | 0.2       | 0.7                      | <b>0.4</b>   | 0.02   | 0.04                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 1088      | 2.8       | 12.0                     | <b>7.9</b>   | 0.49   | 0.92                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 46        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.05                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 11        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C58                 |
| Penis                        | 76        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.07                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 13591     | 29.0      | 159.2                    | <b>119.0</b> | 6.04                | 16.15               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 369       | 0.8       | 4.3                      | <b>4.0</b>   | 0.30                | 0.32                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 1767      | 3.8       | 20.7                     | <b>15.8</b>  | 1.00                | 1.87                | 1210      | 3.1       | 13.4                     | <b>8.9</b>   | 0.55   | 1.06                | C64                 |
| Renal pelvis                 | 71        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.07                | 67        | 0.2       | 0.7                      | <b>0.4</b>   | 0.01   | 0.04                | C65                 |
| Ureter                       | 61        | 0.1       | 0.7                      | <b>0.5</b>   | 0.01                | 0.05                | 40        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.02                | C66                 |
| Bladder                      | 2528      | 5.4       | 29.6                     | <b>20.6</b>  | 0.81                | 2.45                | 810       | 2.1       | 9.0                      | <b>5.0</b>   | 0.24   | 0.57                | C67                 |
| Other urinary organs         | 20        | 0.0       | 0.2                      | <b>0.2</b>   | 0.00                | 0.02                | 25        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C68                 |
| Eye                          | 72        | 0.2       | 0.8                      | <b>0.7</b>   | 0.04                | 0.07                | 70        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03   | 0.06                | C69                 |
| Brain, nervous system        | 593       | 1.3       | 6.9                      | <b>5.9</b>   | 0.39                | 0.57                | 469       | 1.2       | 5.2                      | <b>4.1</b>   | 0.25   | 0.38                | C70-72              |
| Thyroid                      | 340       | 0.7       | 4.0                      | <b>3.2</b>   | 0.22                | 0.34                | 1066      | 2.7       | 11.8                     | <b>9.6</b>   | 0.75   | 0.94                | C73                 |
| Adrenal gland                | 32        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | 23        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74                 |
| Other endocrine              | 14        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 17        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C75                 |
| Hodgkin lymphoma             | 288       | 0.6       | 3.4                      | <b>3.1</b>   | 0.21                | 0.25                | 229       | 0.6       | 2.5                      | <b>2.2</b>   | 0.15   | 0.19                | C81                 |
| Non-Hodgkin lymphoma         | 1835      | 3.9       | 21.5                     | <b>16.3</b>  | 0.94                | 1.83                | 1611      | 4.1       | 17.8                     | <b>11.1</b>  | 0.62   | 1.30                | C82-85,C96          |
| Immunoproliferative diseases | 24        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 12        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C88                 |
| Multiple myeloma             | 638       | 1.4       | 7.5                      | <b>5.3</b>   | 0.26                | 0.66                | 550       | 1.4       | 6.1                      | <b>3.6</b>   | 0.18   | 0.44                | C90                 |
| Lymphoid leukaemia           | 580       | 1.2       | 6.8                      | <b>5.6</b>   | 0.28                | 0.56                | 372       | 0.9       | 4.1                      | <b>2.9</b>   | 0.14   | 0.27                | C91                 |
| Myeloid leukaemia            | 535       | 1.1       | 6.3                      | <b>4.7</b>   | 0.24                | 0.49                | 448       | 1.1       | 5.0                      | <b>3.3</b>   | 0.19   | 0.34                | C92-94              |
| Leukaemia unspecified        | 78        | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                | 0.06                | 63        | 0.2       | 0.7                      | <b>0.3</b>   | 0.01   | 0.03                | C95                 |
| Myeloproliferative disorders | 267       | 0.6       | 3.1                      | <b>2.3</b>   | 0.13                | 0.29                | 242       | 0.6       | 2.7                      | <b>1.7</b>   | 0.10   | 0.19                | MPD                 |
| Myelodysplastic syndromes    | 439       | 0.9       | 5.1                      | <b>3.4</b>   | 0.10                | 0.34                | 406       | 1.0       | 4.5                      | <b>2.4</b>   | 0.09   | 0.26                | MDS                 |
| Other and unspecified        | 1001      | 2.1       | 11.7                     | <b>8.4</b>   | 0.47                | 0.94                | 998       | 2.5       | 11.0                     | <b>6.0</b>   | 0.31   | 0.64                | O&U                 |
| All sites                    | 47084     |           | 551.6                    | <b>408.8</b> | 21.78               | 50.22               | 39384     |           | 435.4                    | <b>282.5</b> | 17.52  | 32.41               | C00-96              |
| All sites except C44         | 46940     | 100.0     | 550.0                    | <b>407.6</b> | 21.72               | 50.11               | 39271     | 100.0     | 434.2                    | <b>281.6</b> | 17.47  | 32.33               | C00-96 exc. C44     |

## \*USA, Louisiana: Black (2003-2004, 2006-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 4         | 0.0       | 0.1                      | <b>0.2</b>   | 0.02                     | 0.02      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 68        | 0.5       | 2.5                      | <b>2.6</b>   | 0.17                     | 0.35      | 32        | 0.3                      | 1.1       | <b>0.8</b>               | 0.06   | 0.08  | C01-02          |
| Mouth                        | 89        | 0.7       | 3.3                      | <b>3.2</b>   | 0.28                     | 0.36      | 41        | 0.4                      | 1.4       | <b>1.1</b>               | 0.07   | 0.12  | C03-06          |
| Salivary glands              | 22        | 0.2       | 0.8                      | <b>0.9</b>   | 0.03                     | 0.12      | 24        | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 83        | 0.7       | 3.1                      | <b>3.0</b>   | 0.24                     | 0.38      | 18        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.05  | C09             |
| Other oropharynx             | 34        | 0.3       | 1.3                      | <b>1.3</b>   | 0.11                     | 0.16      | 6         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 43        | 0.3       | 1.6                      | <b>1.5</b>   | 0.09                     | 0.16      | 10        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 65        | 0.5       | 2.4                      | <b>2.5</b>   | 0.13                     | 0.37      | 9         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.04  | C12-13          |
| Pharynx unspecified          | 10        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 204       | 1.6       | 7.6                      | <b>7.9</b>   | 0.48                     | 1.06      | 74        | 0.7                      | 2.5       | <b>2.0</b>               | 0.11   | 0.25  | C15             |
| Stomach                      | 362       | 2.9       | 13.4                     | <b>13.4</b>  | 0.64                     | 1.60      | 257       | 2.4                      | 8.5       | <b>6.2</b>               | 0.30   | 0.67  | C16             |
| Small intestine              | 59        | 0.5       | 2.2                      | <b>2.3</b>   | 0.10                     | 0.31      | 78        | 0.7                      | 2.6       | <b>2.0</b>               | 0.12   | 0.25  | C17             |
| Colon                        | 970       | 7.7       | 35.9                     | <b>35.9</b>  | 1.86                     | 4.38      | 1044      | 9.9                      | 34.6      | <b>26.9</b>              | 1.51   | 3.16  | C18             |
| Rectum                       | 377       | 3.0       | 14.0                     | <b>13.8</b>  | 0.94                     | 1.63      | 349       | 3.3                      | 11.6      | <b>9.3</b>               | 0.59   | 1.07  | C19-20          |
| Anus                         | 31        | 0.2       | 1.1                      | <b>1.1</b>   | 0.08                     | 0.13      | 37        | 0.4                      | 1.2       | <b>1.0</b>               | 0.06   | 0.11  | C21             |
| Liver                        | 311       | 2.5       | 11.5                     | <b>11.4</b>  | 0.84                     | 1.38      | 102       | 1.0                      | 3.4       | <b>2.9</b>               | 0.18   | 0.36  | C22             |
| Gallbladder etc.             | 56        | 0.4       | 2.1                      | <b>2.0</b>   | 0.07                     | 0.25      | 61        | 0.6                      | 2.0       | <b>1.5</b>               | 0.08   | 0.18  | C23-24          |
| Pancreas                     | 309       | 2.5       | 11.5                     | <b>11.4</b>  | 0.62                     | 1.39      | 382       | 3.6                      | 12.7      | <b>9.1</b>               | 0.45   | 1.05  | C25             |
| Nose, sinuses etc.           | 27        | 0.2       | 1.0                      | <b>1.0</b>   | 0.09                     | 0.11      | 13        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C30-31          |
| Larynx                       | 293       | 2.3       | 10.9                     | <b>11.1</b>  | 0.73                     | 1.42      | 53        | 0.5                      | 1.8       | <b>1.5</b>               | 0.11   | 0.17  | C32             |
| Trachea, bronchus and lung   | 2235      | 17.8      | 82.8                     | <b>83.5</b>  | 4.47                     | 10.46     | 1324      | 12.6                     | 43.9      | <b>35.5</b>              | 2.03   | 4.46  | C33-34          |
| Other thoracic organs        | 11        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 17        | 0.2                      | 0.6       | <b>0.6</b>               | 0.04   | 0.06  | C37-38          |
| Bone                         | 17        | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.05      | 20        | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C40-41          |
| Melanoma of skin             | 22        | 0.2       | 0.8                      | <b>0.7</b>   | 0.03                     | 0.06      | 25        | 0.2                      | 0.8       | <b>0.6</b>               | 0.03   | 0.06  | C43             |
| Other skin                   | 23        | 0.2       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.08      | 31        | 0.3                      | 1.0       | <b>0.9</b>               | 0.08   | 0.09  | C44             |
| Mesothelioma                 | 36        | 0.3       | 1.3                      | <b>1.2</b>   | 0.06                     | 0.12      | 13        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C45             |
| Kaposi sarcoma               | 29        | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.09      | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 79        | 0.6       | 2.9                      | <b>2.9</b>   | 0.19                     | 0.31      | 110       | 1.0                      | 3.7       | <b>3.2</b>               | 0.19   | 0.32  | C47+C49         |
| Breast                       | 31        | 0.2       | 1.1                      | <b>1.2</b>   | 0.07                     | 0.14      | 3159      | 30.0                     | 104.8     | <b>88.0</b>              | 6.45   | 10.05 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 52        | 0.5                      | 1.7       | <b>1.4</b>               | 0.10   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 23        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 359       | 3.4                      | 11.9      | <b>10.2</b>              | 0.79   | 0.99  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 462       | 4.4                      | 15.3      | <b>13.0</b>              | 0.84   | 1.64  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 25        | 0.2                      | 0.8       | <b>0.6</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 250       | 2.4                      | 8.3       | <b>6.5</b>               | 0.35   | 0.74  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 12        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C58             |
| Penis                        | 23        | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 4257      | 33.9      | 157.8                    | <b>165.2</b> | 8.62                     | 22.44     |           |                          |           |                          |        |       | C61             |
| Testis                       | 29        | 0.2       | 1.1                      | <b>1.0</b>   | 0.08                     | 0.08      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 422       | 3.4       | 15.6                     | <b>15.6</b>  | 1.00                     | 1.75      | 309       | 2.9                      | 10.3      | <b>8.6</b>               | 0.51   | 1.04  | C64             |
| Renal pelvis                 | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.01      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C65             |
| Ureter                       | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.03      | 10        | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 341       | 2.7       | 12.6                     | <b>12.6</b>  | 0.52                     | 1.54      | 151       | 1.4                      | 5.0       | <b>3.7</b>               | 0.17   | 0.43  | C67             |
| Other urinary organs         | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.02      | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.03  | C68             |
| Eye                          | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 7         | 0.1                      | 0.2       | <b>0.3</b>               | 0.01   | 0.03  | C69             |
| Brain, nervous system        | 121       | 1.0       | 4.5                      | <b>4.5</b>   | 0.30                     | 0.43      | 98        | 0.9                      | 3.3       | <b>3.1</b>               | 0.18   | 0.29  | C70-72          |
| Thyroid                      | 37        | 0.3       | 1.4                      | <b>1.3</b>   | 0.10                     | 0.14      | 209       | 2.0                      | 6.9       | <b>6.1</b>               | 0.49   | 0.64  | C73             |
| Adrenal gland                | 9         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.03      | 6         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 10        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C75             |
| Hodgkin lymphoma             | 71        | 0.6       | 2.6                      | <b>2.5</b>   | 0.19                     | 0.20      | 57        | 0.5                      | 1.9       | <b>1.8</b>               | 0.13   | 0.15  | C81             |
| Non-Hodgkin lymphoma         | 364       | 2.9       | 13.5                     | <b>13.2</b>  | 0.88                     | 1.42      | 307       | 2.9                      | 10.2      | <b>8.3</b>               | 0.57   | 0.92  | C82-85,C96      |
| Immunoproliferative diseases | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 295       | 2.3       | 10.9                     | <b>10.9</b>  | 0.54                     | 1.37      | 261       | 2.5                      | 8.7       | <b>6.9</b>               | 0.35   | 0.88  | C90             |
| Lymphoid leukaemia           | 114       | 0.9       | 4.2                      | <b>4.4</b>   | 0.23                     | 0.48      | 64        | 0.6                      | 2.1       | <b>1.8</b>               | 0.09   | 0.17  | C91             |
| Myeloid leukaemia            | 120       | 1.0       | 4.4                      | <b>4.4</b>   | 0.25                     | 0.48      | 120       | 1.1                      | 4.0       | <b>3.2</b>               | 0.22   | 0.34  | C92-94          |
| Leukaemia unspecified        | 27        | 0.2       | 1.0                      | <b>0.9</b>   | 0.04                     | 0.08      | 22        | 0.2                      | 0.7       | <b>0.5</b>               | 0.01   | 0.04  | C95             |
| Myeloproliferative disorders | 56        | 0.4       | 2.1                      | <b>2.0</b>   | 0.10                     | 0.23      | 60        | 0.6                      | 2.0       | <b>1.5</b>               | 0.09   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 75        | 0.6       | 2.8                      | <b>2.7</b>   | 0.09                     | 0.31      | 91        | 0.9                      | 3.0       | <b>2.3</b>               | 0.11   | 0.26  | MDS             |
| Other and unspecified        | 297       | 2.4       | 11.0                     | <b>10.7</b>  | 0.66                     | 1.17      | 267       | 2.5                      | 8.9       | <b>6.7</b>               | 0.38   | 0.74  | O&U             |
| All sites                    | 12586     |           | 466.4                    | <b>473.5</b> | 26.25                    | 59.31     | 10552     |                          | 350.1     | <b>285.6</b>             | 18.29  | 32.75 | C00-96          |
| All sites except C44         | 12563     | 100.0     | 465.6                    | <b>472.6</b> | 26.18                    | 59.22     | 10521     | 100.0                    | 349.1     | <b>284.6</b>             | 18.22  | 32.66 | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, Louisiana: White (2003-2004, 2006-2007)**

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 94        | 0.3       | 1.7                      | <b>1.1</b>   | 0.07                | 0.15                | 22        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 311       | 0.9       | 5.5                      | <b>3.8</b>   | 0.25                | 0.47                | 136       | 0.5       | 2.3                      | <b>1.3</b>   | 0.09                | 0.15                | C01-02          |
| Mouth                        | 203       | 0.6       | 3.6                      | <b>2.4</b>   | 0.16                | 0.30                | 125       | 0.4       | 2.1                      | <b>1.1</b>   | 0.06                | 0.12                | C03-06          |
| Salivary glands              | 94        | 0.3       | 1.7                      | <b>1.1</b>   | 0.05                | 0.11                | 58        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.06                | C07-08          |
| Tonsil                       | 229       | 0.7       | 4.1                      | <b>2.9</b>   | 0.24                | 0.34                | 47        | 0.2       | 0.8                      | <b>0.5</b>   | 0.04                | 0.06                | C09             |
| Other oropharynx             | 34        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05                | 9         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 43        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.07                | 30        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | C11             |
| Hypopharynx                  | 97        | 0.3       | 1.7                      | <b>1.1</b>   | 0.08                | 0.14                | 22        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.04                | C12-13          |
| Pharynx unspecified          | 28        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | 4         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 490       | 1.4       | 8.7                      | <b>5.6</b>   | 0.33                | 0.70                | 133       | 0.5       | 2.3                      | <b>1.1</b>   | 0.05                | 0.13                | C15             |
| Stomach                      | 502       | 1.5       | 8.9                      | <b>5.5</b>   | 0.27                | 0.68                | 310       | 1.1       | 5.3                      | <b>2.4</b>   | 0.12                | 0.26                | C16             |
| Small intestine              | 129       | 0.4       | 2.3                      | <b>1.5</b>   | 0.08                | 0.18                | 125       | 0.4       | 2.1                      | <b>1.2</b>   | 0.07                | 0.15                | C17             |
| Colon                        | 2471      | 7.3       | 43.8                     | <b>27.2</b>  | 1.35                | 3.25                | 2272      | 8.0       | 38.9                     | <b>19.4</b>  | 0.98                | 2.31                | C18             |
| Rectum                       | 1113      | 3.3       | 19.7                     | <b>13.0</b>  | 0.82                | 1.58                | 795       | 2.8       | 13.6                     | <b>7.7</b>   | 0.48                | 0.88                | C19-20          |
| Anus                         | 78        | 0.2       | 1.4                      | <b>1.0</b>   | 0.07                | 0.10                | 123       | 0.4       | 2.1                      | <b>1.2</b>   | 0.08                | 0.14                | C21             |
| Liver                        | 546       | 1.6       | 9.7                      | <b>6.3</b>   | 0.40                | 0.72                | 205       | 0.7       | 3.5                      | <b>1.8</b>   | 0.09                | 0.22                | C22             |
| Gallbladder etc.             | 150       | 0.4       | 2.7                      | <b>1.5</b>   | 0.05                | 0.17                | 165       | 0.6       | 2.8                      | <b>1.4</b>   | 0.06                | 0.19                | C23-24          |
| Pancreas                     | 772       | 2.3       | 13.7                     | <b>8.4</b>   | 0.42                | 0.98                | 775       | 2.7       | 13.3                     | <b>6.3</b>   | 0.30                | 0.74                | C25             |
| Nose, sinuses etc.           | 60        | 0.2       | 1.1                      | <b>0.7</b>   | 0.05                | 0.09                | 33        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C30-31          |
| Larynx                       | 517       | 1.5       | 9.2                      | <b>6.1</b>   | 0.37                | 0.79                | 152       | 0.5       | 2.6                      | <b>1.6</b>   | 0.10                | 0.20                | C32             |
| Trachea, bronchus and lung   | 5831      | 17.2      | 103.3                    | <b>64.5</b>  | 2.97                | 8.17                | 4438      | 15.6      | 76.0                     | <b>41.0</b>  | 2.03                | 5.32                | C33-34          |
| Other thoracic organs        | 31        | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                | 0.04                | 21        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03                | C37-38          |
| Bone                         | 57        | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                | 0.07                | 46        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                | 0.06                | C40-41          |
| Melanoma of skin             | 1251      | 3.7       | 22.2                     | <b>14.9</b>  | 0.91                | 1.66                | 832       | 2.9       | 14.2                     | <b>9.7</b>   | 0.70                | 0.96                | C43             |
| Other skin                   | 120       | 0.4       | 2.1                      | <b>1.3</b>   | 0.06                | 0.13                | 80        | 0.3       | 1.4                      | <b>0.8</b>   | 0.04                | 0.08                | C44             |
| Mesothelioma                 | 148       | 0.4       | 2.6                      | <b>1.6</b>   | 0.07                | 0.18                | 43        | 0.2       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | C45             |
| Kaposi sarcoma               | 38        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | 13        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C46             |
| Connective and soft tissue   | 260       | 0.8       | 4.6                      | <b>3.2</b>   | 0.20                | 0.33                | 170       | 0.6       | 2.9                      | <b>1.9</b>   | 0.12                | 0.18                | C47+C49         |
| Breast                       | 73        | 0.2       | 1.3                      | <b>0.9</b>   | 0.05                | 0.10                | 7992      | 28.1      | 136.8                    | <b>83.6</b>  | 5.81                | 9.70                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 207       | 0.7       | 3.5                      | <b>2.0</b>   | 0.13                | 0.20                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 59        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.07                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 473       | 1.7       | 8.1                      | <b>6.4</b>   | 0.53                | 0.60                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 1109      | 3.9       | 19.0                     | <b>11.9</b>  | 0.90                | 1.41                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 34        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 827       | 2.9       | 14.2                     | <b>8.5</b>   | 0.55                | 1.00                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 34        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.05                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 3         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 53        | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                | 0.07                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 9171      | 27.0      | 162.4                    | <b>105.4</b> | 5.25                | 14.30               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 338       | 1.0       | 6.0                      | <b>5.5</b>   | 0.41                | 0.43                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 8         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 1333      | 3.9       | 23.6                     | <b>16.0</b>  | 1.01                | 1.93                | 893       | 3.1       | 15.3                     | <b>9.2</b>   | 0.58                | 1.09                | C64             |
| Renal pelvis                 | 66        | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.10                | 62        | 0.2       | 1.1                      | <b>0.4</b>   | 0.02                | 0.05                | C65             |
| Ureter                       | 54        | 0.2       | 1.0                      | <b>0.5</b>   | 0.01                | 0.06                | 30        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C66             |
| Bladder                      | 2173      | 6.4       | 38.5                     | <b>23.1</b>  | 0.91                | 2.76                | 653       | 2.3       | 11.2                     | <b>5.5</b>   | 0.27                | 0.63                | C67             |
| Other urinary organs         | 18        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 17        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C68             |
| Eye                          | 66        | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                | 0.09                | 63        | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                | 0.08                | C69             |
| Brain, nervous system        | 469       | 1.4       | 8.3                      | <b>6.4</b>   | 0.43                | 0.63                | 368       | 1.3       | 6.3                      | <b>4.7</b>   | 0.29                | 0.43                | C70-72          |
| Thyroid                      | 297       | 0.9       | 5.3                      | <b>3.8</b>   | 0.27                | 0.41                | 838       | 2.9       | 14.3                     | <b>11.4</b>  | 0.89                | 1.09                | C73             |
| Adrenal gland                | 22        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | 17        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 8         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01                | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 215       | 0.6       | 3.8                      | <b>3.3</b>   | 0.22                | 0.28                | 166       | 0.6       | 2.8                      | <b>2.5</b>   | 0.16                | 0.20                | C81             |
| Non-Hodgkin lymphoma         | 1459      | 4.3       | 25.8                     | <b>17.2</b>  | 0.96                | 1.97                | 1292      | 4.5       | 22.1                     | <b>12.2</b>  | 0.65                | 1.45                | C82-85,C96      |
| Immunoproliferative diseases | 20        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | 9         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C88             |
| Multiple myeloma             | 336       | 1.0       | 5.9                      | <b>3.7</b>   | 0.17                | 0.44                | 285       | 1.0       | 4.9                      | <b>2.4</b>   | 0.12                | 0.28                | C90             |
| Lymphoid leukaemia           | 465       | 1.4       | 8.2                      | <b>6.2</b>   | 0.32                | 0.60                | 306       | 1.1       | 5.2                      | <b>3.4</b>   | 0.16                | 0.31                | C91             |
| Myeloid leukaemia            | 413       | 1.2       | 7.3                      | <b>4.8</b>   | 0.24                | 0.50                | 324       | 1.1       | 5.5                      | <b>3.4</b>   | 0.18                | 0.34                | C92-94          |
| Leukaemia unspecified        | 50        | 0.1       | 0.9                      | <b>0.5</b>   | 0.02                | 0.05                | 41        | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 209       | 0.6       | 3.7                      | <b>2.5</b>   | 0.14                | 0.31                | 181       | 0.6       | 3.1                      | <b>1.7</b>   | 0.10                | 0.20                | MPD             |
| Myelodysplastic syndromes    | 362       | 1.1       | 6.4                      | <b>3.6</b>   | 0.11                | 0.35                | 311       | 1.1       | 5.3                      | <b>2.4</b>   | 0.09                | 0.27                | MDS             |
| Other and unspecified        | 691       | 2.0       | 12.2                     | <b>7.7</b>   | 0.41                | 0.87                | 725       | 2.6       | 12.4                     | <b>5.8</b>   | 0.28                | 0.61                | O&U             |
| All sites                    | 34066     |           | 603.2                    | <b>392.6</b> | 20.56               | 47.88               | 28510     |           | 488.1                    | <b>284.5</b> | 17.46               | 32.64               | C00-96          |
| All sites except C44         | 33946     | 100.0     | 601.1                    | <b>391.3</b> | 20.50               | 47.75               | 28430     | 100.0     | 486.7                    | <b>283.8</b> | 17.42               | 32.56               | C00-96 exc. C44 |

\*See note following population pyramid



# USA, Louisiana, New Orleans

## REGISTRATION AREA

The New Orleans Regional Tumor Registry covers New Orleans, the largest metropolitan area in the state of Louisiana. The population is 55% White, 41% Black, 4% Asian, and 9% Hispanic (of all races). The per capita income is slightly higher than the state average. In 2005, the population was 99% urban.

## CANCER CARE FACILITIES

Cancer care is provided by 12 hospitals; almost all have accredited cancer programmes. The state's largest public hospital is in New Orleans and provides free care to indigent residents.

## REGISTRY STRUCTURE AND METHODS

The registry is based at Louisiana State University (LSU), along with the central office of the Louisiana Tumor Registry (LTR). The New Orleans Regional Tumor Registry has 15 employees. It is funded by LSU and through federal grants. Louisiana law mandates all licensed health care facilities and providers who diagnose and/or treat cancer to report all new cases to the LTR. It also requires data confidentiality and exempts providers from liability for reporting. About 99% of incident cases are submitted electronically and the rest are abstracted by regional staff members. The LTR exchanges cases with 19 other states under case-sharing agreements, so missed cases are minimal. Quality control is routinely conducted. The LTR collects all SEER- and National Program of Cancer Registries (NPCR)-required items and follows SEER coding guidelines.

## INTERPRETING THE RESULTS

Hurricane Katrina hit New Orleans in 2005, resulting in major flooding, evacuation, disruption of medical care, and destruction of records. As a result, inaccurate population estimates and incomplete case capture may influence incidence rates. Louisiana has a breast and cervical health programme (<http://lbchp.org/>), and the Mary Bird Perkins Cancer Center (<http://www.marybird.org/calendar-of-events>) offers screening for colorectal, breast, prostate, skin, and oral cancers. The Feist-Weiller Cancer Center operates a mobile cancer screening

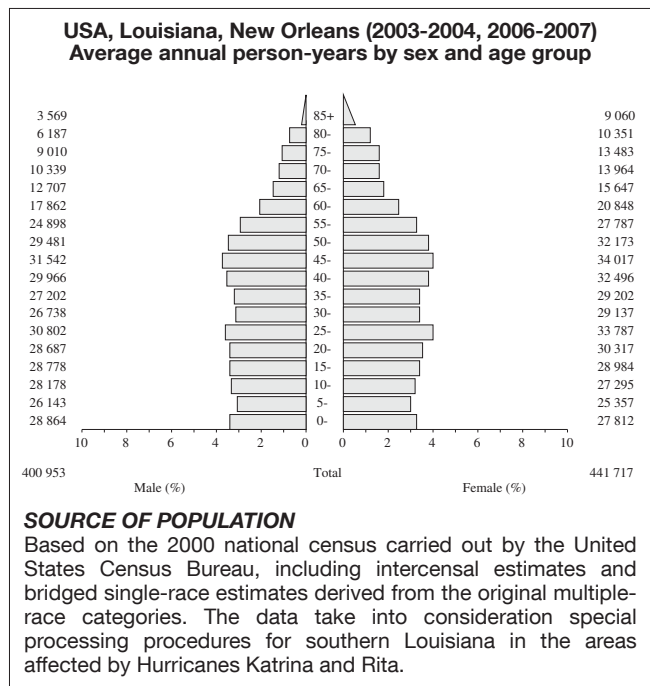
unit that travels to 15 rural communities. Partners in Wellness cancer screening is free to financially qualified uninsured or underinsured individuals.

## USE OF THE DATA

Incidence data are published annually in the *Cancer in Louisiana* series, available from the LTR website (<http://louisianatumorregistry.lsuhsu.edu/>). The data are included in several databases for public use. Registry data are used for research, cancer control planning, and health services evaluation.

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## SOURCE OF POPULATION

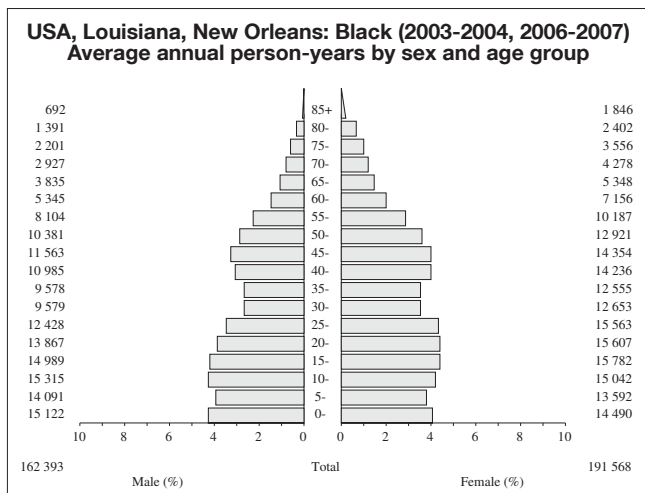
Based on the 2000 national census carried out by the United States Census Bureau, including intercensal estimates and bridged single-race estimates derived from the original multiple-race categories. The data take into consideration special processing procedures for southern Louisiana in the areas affected by Hurricanes Katrina and Rita.

## NOTES ON THE DATA

\*No official mortality data.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

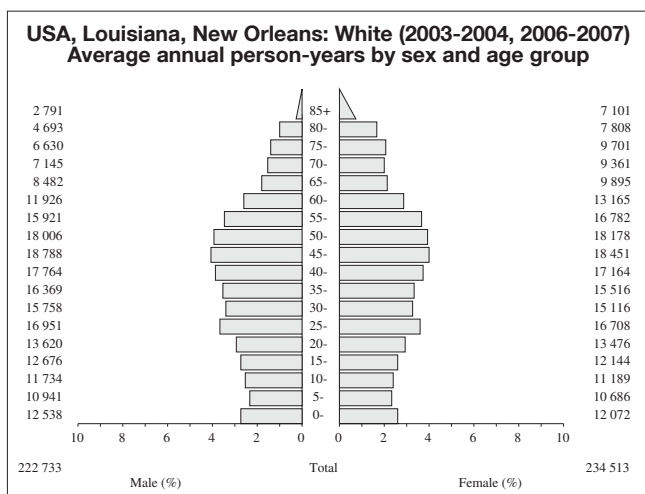
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 99.1  | Breast                     | 85.6  |
| Trachea, bronchus and lung | 65.2  | Trachea, bronchus and lung | 36.5  |
| Colon                      | 27.4  | Colon                      | 19.3  |
| Bladder                    | 20.0  | Corpus uteri               | 12.8  |
| Kidney                     | 16.7  | Non-Hodgkin lymphoma       | 10.9  |
| Non-Hodgkin lymphoma       | 16.0  | Ovary                      | 8.2   |
| Rectum                     | 12.6  | Thyroid                    | 8.2   |
| Liver                      | 10.9  | Kidney                     | 7.9   |
| Melanoma of skin           | 9.2   | Rectum                     | 7.8   |
| Pancreas                   | 9.2   | Cervix uteri               | 7.0   |
| All sites                  | 385.4 | All sites                  | 274.3 |



NOTES ON THE DATA: \*No official mortality data.

**USA, LOUISIANA, NEW ORLEANS: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 137.9 | Breast                     | 85.9  |
| Trachea, bronchus and lung | 80.5  | Trachea, bronchus and lung | 36.5  |
| Colon                      | 34.2  | Colon                      | 23.4  |
| Kidney                     | 18.0  | Corpus uteri               | 12.8  |
| Bladder                    | 15.3  | Rectum                     | 9.0   |
| Non-Hodgkin lymphoma       | 15.1  | Cervix uteri               | 8.8   |
| Stomach                    | 13.9  | Non-Hodgkin lymphoma       | 8.7   |
| Liver                      | 13.6  | Pancreas                   | 8.6   |
| Rectum                     | 13.4  | Other and unspecified      | 7.9   |
| Other and unspecified      | 11.3  | Kidney                     | 7.3   |
| All sites                  | 443.8 | All sites                  | 278.7 |



NOTES ON THE DATA: \*No official mortality data.

**USA, LOUISIANA, NEW ORLEANS: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 82.0  | Breast                     | 86.6  |
| Trachea, bronchus and lung | 59.5  | Trachea, bronchus and lung | 36.9  |
| Colon                      | 25.4  | Colon                      | 17.0  |
| Bladder                    | 22.4  | Corpus uteri               | 13.5  |
| Non-Hodgkin lymphoma       | 16.7  | Non-Hodgkin lymphoma       | 12.2  |
| Kidney                     | 16.3  | Thyroid                    | 9.9   |
| Melanoma of skin           | 14.1  | Ovary                      | 9.4   |
| Rectum                     | 12.0  | Kidney                     | 9.0   |
| Liver                      | 9.5   | Melanoma of skin           | 9.0   |
| Pancreas                   | 9.2   | Rectum                     | 7.3   |
| All sites                  | 368.5 | All sites                  | 278.8 |

**\*USA, Louisiana, New Orleans (2003-2004, 2006-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 11        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.07      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 74        | 0.8       | 4.6                      | <b>3.5</b>   | 0.25                     | 0.42      | 27        | 0.3                      | 1.5       | <b>0.9</b>               | 0.07   | 0.09  | C01-02          |
| Mouth                        | 72        | 0.8       | 4.5                      | <b>3.3</b>   | 0.25                     | 0.43      | 36        | 0.5                      | 2.0       | <b>1.2</b>               | 0.08   | 0.14  | C03-06          |
| Salivary glands              | 22        | 0.3       | 1.4                      | <b>1.0</b>   | 0.04                     | 0.12      | 13        | 0.2                      | 0.7       | <b>0.6</b>               | 0.03   | 0.07  | C07-08          |
| Tonsil                       | 52        | 0.6       | 3.2                      | <b>2.4</b>   | 0.18                     | 0.32      | 6         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C09             |
| Other oropharynx             | 10        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C10             |
| Nasopharynx                  | 22        | 0.3       | 1.4                      | <b>1.0</b>   | 0.07                     | 0.10      | 7         | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 40        | 0.5       | 2.5                      | <b>1.8</b>   | 0.11                     | 0.25      | 10        | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.06  | C12-13          |
| Pharynx unspecified          | 15        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.09      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 143       | 1.6       | 8.9                      | <b>6.2</b>   | 0.33                     | 0.77      | 48        | 0.6                      | 2.7       | <b>1.5</b>               | 0.07   | 0.19  | C15             |
| Stomach                      | 209       | 2.4       | 13.0                     | <b>9.0</b>   | 0.37                     | 1.15      | 131       | 1.7                      | 7.4       | <b>3.7</b>               | 0.19   | 0.40  | C16             |
| Small intestine              | 40        | 0.5       | 2.5                      | <b>1.8</b>   | 0.12                     | 0.20      | 45        | 0.6                      | 2.5       | <b>1.4</b>               | 0.07   | 0.15  | C17             |
| Colon                        | 658       | 7.6       | 41.0                     | <b>27.4</b>  | 1.36                     | 3.33      | 628       | 8.0                      | 35.5      | <b>19.3</b>              | 0.96   | 2.28  | C18             |
| Rectum                       | 279       | 3.2       | 17.4                     | <b>12.6</b>  | 0.82                     | 1.54      | 230       | 2.9                      | 13.0      | <b>7.8</b>               | 0.45   | 0.89  | C19-20          |
| Anus                         | 26        | 0.3       | 1.6                      | <b>1.3</b>   | 0.09                     | 0.17      | 31        | 0.4                      | 1.8       | <b>1.1</b>               | 0.08   | 0.13  | C21             |
| Liver                        | 250       | 2.9       | 15.6                     | <b>10.9</b>  | 0.77                     | 1.28      | 87        | 1.1                      | 4.9       | <b>2.9</b>               | 0.12   | 0.35  | C22             |
| Gallbladder etc.             | 43        | 0.5       | 2.7                      | <b>1.8</b>   | 0.07                     | 0.24      | 47        | 0.6                      | 2.7       | <b>1.5</b>               | 0.06   | 0.20  | C23-24          |
| Pancreas                     | 221       | 2.5       | 13.8                     | <b>9.2</b>   | 0.47                     | 1.10      | 209       | 2.7                      | 11.8      | <b>6.1</b>               | 0.31   | 0.67  | C25             |
| Nose, sinuses etc.           | 12        | 0.1       | 0.7                      | <b>0.5</b>   | 0.05                     | 0.06      | 11        | 0.1                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C30-31          |
| Larynx                       | 176       | 2.0       | 11.0                     | <b>8.2</b>   | 0.51                     | 1.04      | 47        | 0.6                      | 2.7       | <b>1.8</b>               | 0.13   | 0.23  | C32             |
| Trachea, bronchus and lung   | 1523      | 17.5      | 95.0                     | <b>65.2</b>  | 3.24                     | 8.31      | 1131      | 14.4                     | 64.0      | <b>36.5</b>              | 1.80   | 4.73  | C33-34          |
| Other thoracic organs        | 12        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.06      | 14        | 0.2                      | 0.8       | <b>0.6</b>               | 0.03   | 0.06  | C37-38          |
| Bone                         | 15        | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.07      | 15        | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.08  | C40-41          |
| Melanoma of skin             | 208       | 2.4       | 13.0                     | <b>9.2</b>   | 0.51                     | 1.04      | 133       | 1.7                      | 7.5       | <b>5.3</b>               | 0.36   | 0.52  | C43             |
| Other skin                   | 22        | 0.2       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.10      | 24        | 0.3                      | 1.4       | <b>1.0</b>               | 0.07   | 0.09  | C44             |
| Mesothelioma                 | 50        | 0.6       | 3.1                      | <b>1.9</b>   | 0.10                     | 0.21      | 31        | 0.4                      | 1.8       | <b>1.0</b>               | 0.09   | 0.10  | C45             |
| Kaposi sarcoma               | 28        | 0.3       | 1.7                      | <b>1.5</b>   | 0.10                     | 0.15      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 67        | 0.8       | 4.2                      | <b>3.1</b>   | 0.17                     | 0.30      | 45        | 0.6                      | 2.5       | <b>2.1</b>               | 0.10   | 0.17  | C47+C49         |
| Breast                       | 21        | 0.2       | 1.3                      | <b>0.9</b>   | 0.04                     | 0.11      | 2356      | 30.1                     | 133.3     | <b>85.6</b>              | 6.00   | 9.87  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 50        | 0.6                      | 2.8       | <b>1.7</b>               | 0.11   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 17        | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 161       | 2.1                      | 9.1       | <b>7.0</b>               | 0.57   | 0.68  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 332       | 4.2                      | 18.8      | <b>12.8</b>              | 0.90   | 1.58  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 14        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 227       | 2.9                      | 12.8      | <b>8.2</b>               | 0.46   | 0.94  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 8         | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 12        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 2219      | 25.5      | 138.4                    | <b>99.1</b>  | 5.31                     | 13.55     |           |                          |           |                          |        |       | C61             |
| Testis                       | 92        | 1.1       | 5.7                      | <b>5.2</b>   | 0.39                     | 0.40      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 366       | 4.2       | 22.8                     | <b>16.7</b>  | 0.99                     | 2.01      | 221       | 2.8                      | 12.5      | <b>7.9</b>               | 0.44   | 0.94  | C64             |
| Renal pelvis                 | 10        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 11        | 0.1                      | 0.6       | <b>0.2</b>               | 0.00   | 0.02  | C65             |
| Ureter                       | 14        | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.07      | 8         | 0.1                      | 0.5       | <b>0.2</b>               | 0.00   | 0.03  | C66             |
| Bladder                      | 489       | 5.6       | 30.5                     | <b>20.0</b>  | 0.79                     | 2.32      | 194       | 2.5                      | 11.0      | <b>5.4</b>               | 0.23   | 0.62  | C67             |
| Other urinary organs         | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 14        | 0.2       | 0.9                      | <b>0.9</b>   | 0.04                     | 0.09      | 7         | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.03  | C69             |
| Brain, nervous system        | 92        | 1.1       | 5.7                      | <b>4.4</b>   | 0.26                     | 0.46      | 79        | 1.0                      | 4.5       | <b>3.7</b>               | 0.22   | 0.36  | C70-72          |
| Thyroid                      | 57        | 0.7       | 3.6                      | <b>2.7</b>   | 0.18                     | 0.30      | 184       | 2.3                      | 10.4      | <b>8.2</b>               | 0.65   | 0.78  | C73             |
| Adrenal gland                | 5         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.03      | 4         | 0.1                      | 0.2       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 7         | 0.1                      | 0.4       | <b>0.5</b>               | 0.03   | 0.04  | C75             |
| Hodgkin lymphoma             | 43        | 0.5       | 2.7                      | <b>2.5</b>   | 0.16                     | 0.20      | 39        | 0.5                      | 2.2       | <b>1.8</b>               | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 350       | 4.0       | 21.8                     | <b>16.0</b>  | 0.91                     | 1.79      | 324       | 4.1                      | 18.3      | <b>10.9</b>              | 0.65   | 1.30  | C82-85,C96      |
| Immunoproliferative diseases | 5         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 4         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 118       | 1.4       | 7.4                      | <b>4.9</b>   | 0.28                     | 0.55      | 114       | 1.5                      | 6.5       | <b>3.8</b>               | 0.22   | 0.49  | C90             |
| Lymphoid leukaemia           | 84        | 1.0       | 5.2                      | <b>4.3</b>   | 0.25                     | 0.50      | 53        | 0.7                      | 3.0       | <b>2.4</b>               | 0.13   | 0.20  | C91             |
| Myeloid leukaemia            | 93        | 1.1       | 5.8                      | <b>4.1</b>   | 0.21                     | 0.43      | 92        | 1.2                      | 5.2       | <b>3.2</b>               | 0.17   | 0.34  | C92-94          |
| Leukaemia unspecified        | 15        | 0.2       | 0.9                      | <b>0.6</b>   | 0.01                     | 0.05      | 11        | 0.1                      | 0.6       | <b>0.3</b>               | 0.00   | 0.05  | C95             |
| Myeloproliferative disorders | 44        | 0.5       | 2.7                      | <b>1.9</b>   | 0.11                     | 0.26      | 47        | 0.6                      | 2.7       | <b>1.7</b>               | 0.09   | 0.20  | MPD             |
| Myelodysplastic syndromes    | 75        | 0.9       | 4.7                      | <b>3.0</b>   | 0.10                     | 0.28      | 53        | 0.7                      | 3.0       | <b>1.7</b>               | 0.06   | 0.21  | MDS             |
| Other and unspecified        | 211       | 2.4       | 13.2                     | <b>9.0</b>   | 0.55                     | 1.00      | 223       | 2.8                      | 12.6      | <b>6.3</b>               | 0.31   | 0.63  | O&U             |
| All sites                    | 8735      |           | 544.6                    | <b>385.4</b> | 20.92                    | 47.51     | 7860      |                          | 444.9     | <b>274.3</b>             | 16.74  | 31.56 | C00-96          |
| All sites except C44         | 8713      | 100.0     | 543.3                    | <b>384.4</b> | 20.86                    | 47.40     | 7836      | 100.0                    | 443.5     | <b>273.3</b>             | 16.68  | 31.47 | C00-96 exc. C44 |

\*See note following population pyramid

**\*USA, Louisiana, New Orleans: Black (2003-2004, 2006-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 15        | 0.5       | 2.3                      | <b>2.3</b>   | 0.17                     | 0.32      | 9         | 0.3                      | 1.2       | <b>0.8</b>               | 0.06   | 0.06  | C01-02          |
| Mouth                        | 29        | 1.0       | 4.5                      | <b>4.3</b>   | 0.32                     | 0.55      | 9         | 0.3                      | 1.2       | <b>0.9</b>               | 0.08   | 0.10  | C03-06          |
| Salivary glands              | 7         | 0.2       | 1.1                      | <b>1.1</b>   | 0.05                     | 0.12      | 6         | 0.2                      | 0.8       | <b>0.8</b>               | 0.06   | 0.08  | C07-08          |
| Tonsil                       | 19        | 0.6       | 2.9                      | <b>2.5</b>   | 0.22                     | 0.29      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C09             |
| Other oropharynx             | 3         | 0.1       | 0.5                      | <b>0.5</b>   | 0.04                     | 0.08      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C10             |
| Nasopharynx                  | 10        | 0.3       | 1.5                      | <b>1.4</b>   | 0.08                     | 0.14      | 2         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 17        | 0.6       | 2.6                      | <b>2.4</b>   | 0.09                     | 0.37      | 2         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.04  | C12-13          |
| Pharynx unspecified          | 4         | 0.1       | 0.6                      | <b>0.5</b>   | 0.05                     | 0.05      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.02   | 0.02  | C14             |
| Oesophagus                   | 49        | 1.7       | 7.5                      | <b>7.3</b>   | 0.42                     | 0.93      | 22        | 0.8                      | 2.9       | <b>2.3</b>               | 0.09   | 0.30  | C15             |
| Stomach                      | 93        | 3.2       | 14.3                     | <b>13.9</b>  | 0.60                     | 1.75      | 67        | 2.6                      | 8.7       | <b>6.5</b>               | 0.33   | 0.75  | C16             |
| Small intestine              | 15        | 0.5       | 2.3                      | <b>2.2</b>   | 0.12                     | 0.29      | 22        | 0.8                      | 2.9       | <b>2.2</b>               | 0.09   | 0.28  | C17             |
| Colon                        | 232       | 7.9       | 35.7                     | <b>34.2</b>  | 1.68                     | 3.95      | 232       | 8.8                      | 30.3      | <b>23.4</b>              | 1.30   | 2.75  | C18             |
| Rectum                       | 91        | 3.1       | 14.0                     | <b>13.4</b>  | 0.90                     | 1.66      | 84        | 3.2                      | 11.0      | <b>9.0</b>               | 0.52   | 1.13  | C19-20          |
| Anus                         | 10        | 0.3       | 1.5                      | <b>1.4</b>   | 0.11                     | 0.15      | 12        | 0.5                      | 1.6       | <b>1.3</b>               | 0.05   | 0.14  | C21             |
| Liver                        | 94        | 3.2       | 14.5                     | <b>13.6</b>  | 0.98                     | 1.68      | 33        | 1.3                      | 4.3       | <b>3.7</b>               | 0.18   | 0.49  | C22             |
| Gallbladder etc.             | 16        | 0.5       | 2.5                      | <b>2.8</b>   | 0.10                     | 0.45      | 17        | 0.6                      | 2.2       | <b>2.0</b>               | 0.08   | 0.29  | C23-24          |
| Pancreas                     | 67        | 2.3       | 10.3                     | <b>9.7</b>   | 0.50                     | 1.17      | 89        | 3.4                      | 11.6      | <b>8.6</b>               | 0.46   | 1.00  | C25             |
| Nose, sinuses etc.           | 4         | 0.1       | 0.6                      | <b>0.6</b>   | 0.07                     | 0.07      | 6         | 0.2                      | 0.8       | <b>0.6</b>               | 0.05   | 0.05  | C30-31          |
| Larynx                       | 72        | 2.4       | 11.1                     | <b>11.1</b>  | 0.64                     | 1.44      | 15        | 0.6                      | 2.0       | <b>1.7</b>               | 0.16   | 0.19  | C32             |
| Trachea, bronchus and lung   | 537       | 18.2      | 82.7                     | <b>80.5</b>  | 4.19                     | 10.27     | 354       | 13.5                     | 46.2      | <b>36.5</b>              | 2.09   | 4.50  | C33-34          |
| Other thoracic organs        | 4         | 0.1       | 0.6                      | <b>0.7</b>   | 0.03                     | 0.06      | 6         | 0.2                      | 0.8       | <b>0.7</b>               | 0.06   | 0.06  | C37-38          |
| Bone                         | 5         | 0.2       | 0.8                      | <b>0.8</b>   | 0.04                     | 0.07      | 7         | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 4         | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.03      | 4         | 0.2                      | 0.5       | <b>0.5</b>               | 0.01   | 0.06  | C43             |
| Other skin                   | 4         | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.03      | 11        | 0.4                      | 1.4       | <b>1.3</b>               | 0.10   | 0.13  | C44             |
| Mesothelioma                 | 13        | 0.4       | 2.0                      | <b>1.7</b>   | 0.05                     | 0.13      | 13        | 0.5                      | 1.7       | <b>1.3</b>               | 0.12   | 0.12  | C45             |
| Kaposi sarcoma               | 14        | 0.5       | 2.2                      | <b>2.2</b>   | 0.13                     | 0.22      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 13        | 0.4       | 2.0                      | <b>2.1</b>   | 0.16                     | 0.22      | 20        | 0.8                      | 2.6       | <b>2.5</b>               | 0.13   | 0.19  | C47+C49         |
| Breast                       | 7         | 0.2       | 1.1                      | <b>1.2</b>   | 0.04                     | 0.19      | 808       | 30.8                     | 105.4     | <b>85.9</b>              | 6.07   | 9.90  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 13        | 0.5                      | 1.7       | <b>1.4</b>               | 0.07   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 3         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 82        | 3.1                      | 10.7      | <b>8.8</b>               | 0.68   | 0.89  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 114       | 4.3                      | 14.9      | <b>12.8</b>              | 0.74   | 1.65  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 7         | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.09  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 58        | 2.2                      | 7.6       | <b>6.3</b>               | 0.33   | 0.68  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.1                      | 0.3       | <b>0.2</b>               | 0.03   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 6         | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.09      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 892       | 30.3      | 137.3                    | <b>137.9</b> | 7.99                     | 18.77     |           |                          |           |                          |        |       | C61             |
| Testis                       | 11        | 0.4       | 1.7                      | <b>1.6</b>   | 0.13                     | 0.13      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 116       | 3.9       | 17.9                     | <b>18.0</b>  | 0.98                     | 2.08      | 66        | 2.5                      | 8.6       | <b>7.3</b>               | 0.35   | 0.94  | C64             |
| Renal pelvis                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.03  | C65             |
| Ureter                       | 3         | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.09      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.03  | C66             |
| Bladder                      | 102       | 3.5       | 15.7                     | <b>15.3</b>  | 0.67                     | 1.80      | 38        | 1.4                      | 5.0       | <b>3.7</b>               | 0.18   | 0.44  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.03  | C69             |
| Brain, nervous system        | 21        | 0.7       | 3.2                      | <b>3.0</b>   | 0.22                     | 0.33      | 18        | 0.7                      | 2.3       | <b>2.2</b>               | 0.11   | 0.22  | C70-72          |
| Thyroid                      | 8         | 0.3       | 1.2                      | <b>1.1</b>   | 0.10                     | 0.10      | 53        | 2.0                      | 6.9       | <b>5.7</b>               | 0.48   | 0.57  | C73             |
| Adrenal gland                | 1         | 0.0       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.04      | 2         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 1         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 3         | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.05  | C75             |
| Hodgkin lymphoma             | 10        | 0.3       | 1.5                      | <b>1.5</b>   | 0.12                     | 0.12      | 12        | 0.5                      | 1.6       | <b>1.4</b>               | 0.11   | 0.13  | C81             |
| Non-Hodgkin lymphoma         | 102       | 3.5       | 15.7                     | <b>15.1</b>  | 1.02                     | 1.55      | 83        | 3.2                      | 10.8      | <b>8.7</b>               | 0.61   | 0.98  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 60        | 2.0       | 9.2                      | <b>8.7</b>   | 0.54                     | 0.98      | 64        | 2.4                      | 8.4       | <b>7.2</b>               | 0.39   | 1.01  | C90             |
| Lymphoid leukaemia           | 26        | 0.9       | 4.0                      | <b>4.3</b>   | 0.26                     | 0.57      | 14        | 0.5                      | 1.8       | <b>1.8</b>               | 0.09   | 0.15  | C91             |
| Myeloid leukaemia            | 28        | 1.0       | 4.3                      | <b>4.0</b>   | 0.27                     | 0.53      | 28        | 1.1                      | 3.7       | <b>2.9</b>               | 0.16   | 0.29  | C92-94          |
| Leukaemia unspecified        | 5         | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.07      | 3         | 0.1                      | 0.4       | <b>0.3</b>               | 0.00   | 0.05  | C95             |
| Myeloproliferative disorders | 12        | 0.4       | 1.8                      | <b>1.9</b>   | 0.04                     | 0.28      | 12        | 0.5                      | 1.6       | <b>1.3</b>               | 0.09   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 14        | 0.5       | 2.2                      | <b>2.1</b>   | 0.07                     | 0.24      | 18        | 0.7                      | 2.3       | <b>1.9</b>               | 0.08   | 0.23  | MDS             |
| Other and unspecified        | 80        | 2.7       | 12.3                     | <b>11.3</b>  | 0.73                     | 1.27      | 81        | 3.1                      | 10.6      | <b>7.9</b>               | 0.40   | 0.84  | O&U             |
| All sites                    | 2947      |           | 453.7                    | <b>443.8</b> | 25.10                    | 55.75     | 2634      |                          | 343.7     | <b>278.7</b>             | 17.26  | 32.51 | C00-96          |
| All sites except C44         | 2943      | 100.0     | 453.1                    | <b>443.1</b> | 25.07                    | 55.72     | 2623      | 100.0                    | 342.3     | <b>277.3</b>             | 17.16  | 32.37 | C00-96 exc. C44 |

\*See note following population pyramid



**\*USA, Louisiana, New Orleans: White (2003-2004, 2006-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 10        | 0.2       | 1.1                      | <b>0.7</b>   | 0.01                     | 0.09      | 2         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 59        | 1.1       | 6.6                      | <b>4.2</b>   | 0.31                     | 0.49      | 18        | 0.4                      | 1.9       | <b>0.9</b>               | 0.08   | 0.10  | C01-02          |
| Mouth                        | 41        | 0.7       | 4.6                      | <b>3.0</b>   | 0.21                     | 0.37      | 26        | 0.5                      | 2.8       | <b>1.3</b>               | 0.09   | 0.15  | C03-06          |
| Salivary glands              | 14        | 0.2       | 1.6                      | <b>1.1</b>   | 0.03                     | 0.12      | 7         | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.06  | C07-08          |
| Tonsil                       | 32        | 0.6       | 3.6                      | <b>2.4</b>   | 0.17                     | 0.33      | 5         | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C09             |
| Other oropharynx             | 7         | 0.1       | 0.8                      | <b>0.4</b>   | 0.03                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 10        | 0.2       | 1.1                      | <b>0.6</b>   | 0.05                     | 0.06      | 5         | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 23        | 0.4       | 2.6                      | <b>1.6</b>   | 0.13                     | 0.20      | 7         | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.07  | C12-13          |
| Pharynx unspecified          | 10        | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                     | 0.10      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 92        | 1.6       | 10.3                     | <b>5.9</b>   | 0.29                     | 0.71      | 26        | 0.5                      | 2.8       | <b>1.2</b>               | 0.06   | 0.14  | C15             |
| Stomach                      | 111       | 2.0       | 12.5                     | <b>6.8</b>   | 0.26                     | 0.88      | 60        | 1.2                      | 6.4       | <b>2.2</b>               | 0.10   | 0.20  | C16             |
| Small intestine              | 24        | 0.4       | 2.7                      | <b>1.7</b>   | 0.12                     | 0.17      | 23        | 0.5                      | 2.5       | <b>1.0</b>               | 0.06   | 0.09  | C17             |
| Colon                        | 420       | 7.5       | 47.1                     | <b>25.4</b>  | 1.25                     | 3.14      | 387       | 7.6                      | 41.3      | <b>17.0</b>              | 0.75   | 2.05  | C18             |
| Rectum                       | 177       | 3.2       | 19.9                     | <b>12.0</b>  | 0.78                     | 1.43      | 144       | 2.8                      | 15.4      | <b>7.3</b>               | 0.42   | 0.78  | C19-20          |
| Anus                         | 16        | 0.3       | 1.8                      | <b>1.3</b>   | 0.09                     | 0.18      | 19        | 0.4                      | 2.0       | <b>1.1</b>               | 0.10   | 0.13  | C21             |
| Liver                        | 146       | 2.6       | 16.4                     | <b>9.5</b>   | 0.65                     | 1.11      | 51        | 1.0                      | 5.4       | <b>2.2</b>               | 0.07   | 0.27  | C22             |
| Gallbladder etc.             | 26        | 0.5       | 2.9                      | <b>1.4</b>   | 0.05                     | 0.15      | 30        | 0.6                      | 3.2       | <b>1.3</b>               | 0.05   | 0.16  | C23-24          |
| Pancreas                     | 152       | 2.7       | 17.1                     | <b>9.2</b>   | 0.46                     | 1.10      | 118       | 2.3                      | 12.6      | <b>4.9</b>               | 0.22   | 0.52  | C25             |
| Nose, sinuses etc.           | 8         | 0.1       | 0.9                      | <b>0.5</b>   | 0.05                     | 0.06      | 5         | 0.1                      | 0.5       | <b>0.4</b>               | 0.01   | 0.05  | C30-31          |
| Larynx                       | 103       | 1.8       | 11.6                     | <b>7.2</b>   | 0.45                     | 0.89      | 32        | 0.6                      | 3.4       | <b>1.9</b>               | 0.11   | 0.25  | C32             |
| Trachea, bronchus and lung   | 963       | 17.1      | 108.1                    | <b>59.5</b>  | 2.82                     | 7.54      | 766       | 15.0                     | 81.7      | <b>36.9</b>              | 1.68   | 4.93  | C33-34          |
| Other thoracic organs        | 8         | 0.1       | 0.9                      | <b>0.5</b>   | 0.02                     | 0.07      | 7         | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.05  | C37-38          |
| Bone                         | 10        | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.08      | 8         | 0.2                      | 0.9       | <b>0.8</b>               | 0.04   | 0.08  | C40-41          |
| Melanoma of skin             | 204       | 3.6       | 22.9                     | <b>14.1</b>  | 0.81                     | 1.59      | 128       | 2.5                      | 13.6      | <b>9.0</b>               | 0.65   | 0.87  | C43             |
| Other skin                   | 17        | 0.3       | 1.9                      | <b>1.2</b>   | 0.07                     | 0.13      | 12        | 0.2                      | 1.3       | <b>0.6</b>               | 0.03   | 0.06  | C44             |
| Mesothelioma                 | 37        | 0.7       | 4.2                      | <b>2.2</b>   | 0.12                     | 0.26      | 18        | 0.4                      | 1.9       | <b>0.9</b>               | 0.07   | 0.09  | C45             |
| Kaposi sarcoma               | 14        | 0.2       | 1.6                      | <b>1.3</b>   | 0.09                     | 0.12      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 52        | 0.9       | 5.8                      | <b>3.7</b>   | 0.19                     | 0.35      | 25        | 0.5                      | 2.7       | <b>2.0</b>               | 0.09   | 0.17  | C47+C49         |
| Breast                       | 13        | 0.2       | 1.5                      | <b>0.8</b>   | 0.04                     | 0.09      | 1514      | 29.6                     | 161.4     | <b>86.6</b>              | 6.04   | 10.05 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 37        | 0.7                      | 3.9       | <b>2.0</b>               | 0.15   | 0.18  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 14        | 0.3                      | 1.5       | <b>0.9</b>               | 0.05   | 0.08  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 75        | 1.5                      | 8.0       | <b>6.1</b>               | 0.51   | 0.56  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 215       | 4.2                      | 22.9      | <b>13.5</b>              | 1.05   | 1.61  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 7         | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 165       | 3.2                      | 17.6      | <b>9.4</b>               | 0.55   | 1.09  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 6         | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 6         | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1266      | 22.5      | 142.1                    | <b>82.0</b>  | 4.10                     | 11.20     |           |                          |           |                          |        |       | C61             |
| Testis                       | 80        | 1.4       | 9.0                      | <b>8.0</b>   | 0.59                     | 0.61      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 245       | 4.4       | 27.5                     | <b>16.3</b>  | 1.00                     | 2.03      | 154       | 3.0                      | 16.4      | <b>9.0</b>               | 0.54   | 1.01  | C64             |
| Renal pelvis                 | 10        | 0.2       | 1.1                      | <b>0.6</b>   | 0.05                     | 0.08      | 10        | 0.2                      | 1.1       | <b>0.2</b>               | 0.00   | 0.01  | C65             |
| Ureter                       | 11        | 0.2       | 1.2                      | <b>0.6</b>   | 0.02                     | 0.06      | 7         | 0.1                      | 0.7       | <b>0.2</b>               | 0.00   | 0.03  | C66             |
| Bladder                      | 385       | 6.9       | 43.2                     | <b>22.4</b>  | 0.88                     | 2.63      | 155       | 3.0                      | 16.5      | <b>6.4</b>               | 0.27   | 0.73  | C67             |
| Other urinary organs         | 3         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 2         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 14        | 0.2       | 1.6                      | <b>1.5</b>   | 0.08                     | 0.14      | 6         | 0.1                      | 0.6       | <b>0.5</b>               | 0.02   | 0.04  | C69             |
| Brain, nervous system        | 71        | 1.3       | 8.0                      | <b>5.5</b>   | 0.31                     | 0.56      | 60        | 1.2                      | 6.4       | <b>5.2</b>               | 0.34   | 0.46  | C70-72          |
| Thyroid                      | 46        | 0.8       | 5.2                      | <b>3.4</b>   | 0.22                     | 0.39      | 123       | 2.4                      | 13.1      | <b>9.9</b>               | 0.77   | 0.93  | C73             |
| Adrenal gland                | 4         | 0.1       | 0.4                      | <b>0.6</b>   | 0.04                     | 0.04      | 2         | 0.0                      | 0.2       | <b>0.4</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 4         | 0.1                      | 0.4       | <b>0.6</b>               | 0.04   | 0.04  | C75             |
| Hodgkin lymphoma             | 32        | 0.6       | 3.6                      | <b>3.2</b>   | 0.19                     | 0.26      | 24        | 0.5                      | 2.6       | <b>2.0</b>               | 0.14   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 245       | 4.4       | 27.5                     | <b>16.7</b>  | 0.89                     | 1.95      | 239       | 4.7                      | 25.5      | <b>12.2</b>              | 0.69   | 1.51  | C82-85,C96      |
| Immunoproliferative diseases | 5         | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                     | 0.03      | 3         | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 57        | 1.0       | 6.4                      | <b>3.4</b>   | 0.16                     | 0.37      | 48        | 0.9                      | 5.1       | <b>2.1</b>               | 0.13   | 0.22  | C90             |
| Lymphoid leukaemia           | 58        | 1.0       | 6.5                      | <b>4.7</b>   | 0.27                     | 0.51      | 39        | 0.8                      | 4.2       | <b>3.0</b>               | 0.16   | 0.25  | C91             |
| Myeloid leukaemia            | 64        | 1.1       | 7.2                      | <b>4.3</b>   | 0.20                     | 0.40      | 64        | 1.3                      | 6.8       | <b>3.5</b>               | 0.19   | 0.39  | C92-94          |
| Leukaemia unspecified        | 9         | 0.2       | 1.0                      | <b>0.4</b>   | 0.00                     | 0.03      | 8         | 0.2                      | 0.9       | <b>0.3</b>               | 0.01   | 0.05  | C95             |
| Myeloproliferative disorders | 32        | 0.6       | 3.6                      | <b>2.1</b>   | 0.15                     | 0.26      | 34        | 0.7                      | 3.6       | <b>1.8</b>               | 0.08   | 0.23  | MPD             |
| Myelodysplastic syndromes    | 60        | 1.1       | 6.7                      | <b>3.3</b>   | 0.12                     | 0.31      | 35        | 0.7                      | 3.7       | <b>1.7</b>               | 0.06   | 0.20  | MDS             |
| Other and unspecified        | 129       | 2.3       | 14.5                     | <b>8.4</b>   | 0.49                     | 0.93      | 140       | 2.7                      | 14.9      | <b>5.5</b>               | 0.26   | 0.53  | O&U             |
| All sites                    | 5633      |           | 632.3                    | <b>368.5</b> | 19.47                    | 44.69     | 5121      |                          | 545.9     | <b>278.8</b>             | 16.89  | 31.82 | C00-96          |
| All sites except C44         | 5616      | 100.0     | 630.4                    | <b>367.3</b> | 19.40                    | 44.56     | 5109      | 100.0                    | 544.6     | <b>278.2</b>             | 16.85  | 31.77 | C00-96 exc. C44 |

\*See note following population pyramid



# USA, Maine

## REGISTRATION AREA

The Maine Cancer Registry (CR) covers the state of Maine in the USA. The state has a large geographical area but a relatively small population. Maine is primarily rural, with a long Atlantic coast. The population is 97% White/Caucasian, with a small but important population of Native Americans, and small (but growing) Black, Hispanic, and Asian populations. French Canadian ancestry is widely distributed. The population has been stable numerically, but is ageing. In terms of the average age of its residents, Maine has become one of the oldest states in the USA. There are geographical and other disparities in access to health care within the state. Some of the smaller, rural access hospitals are closing.

## CANCER CARE FACILITIES

Many surgical specialists are underrepresented in the northern half of Maine, including gynaecological oncologists and plastic surgeons (for reconstruction), as are gastroenterologists and physicians in general, with many underserved areas.

## REGISTRY STRUCTURE AND METHODS

Cancer reporting is mandated by state law for 37 Maine hospitals and for some physicians. The Maine CR is funded by the United States Centers for Disease Control and Prevention (CDC) (75%) and by the state (25%). The registry staff is small: there are typically 5.5 full-time equivalent positions with two vacancies. The staff includes one medical director/programme manager, certified tumour registrars (CTRs) (2.5 full-time equivalents), one financial manager, and one secretary. The registry also contracts an epidemiologist (0.4 full-time equivalents) and additional part-time CTRs. Technical support is inadequate. Quality control studies are currently limited. For several years before 2011, the registry carried out annual staging and treatment studies to determine whether all regions received standard care.

## INTERPRETING THE RESULTS

In addition to the Maine CDC Breast and Cervical Health Program, federal funding enabled the start

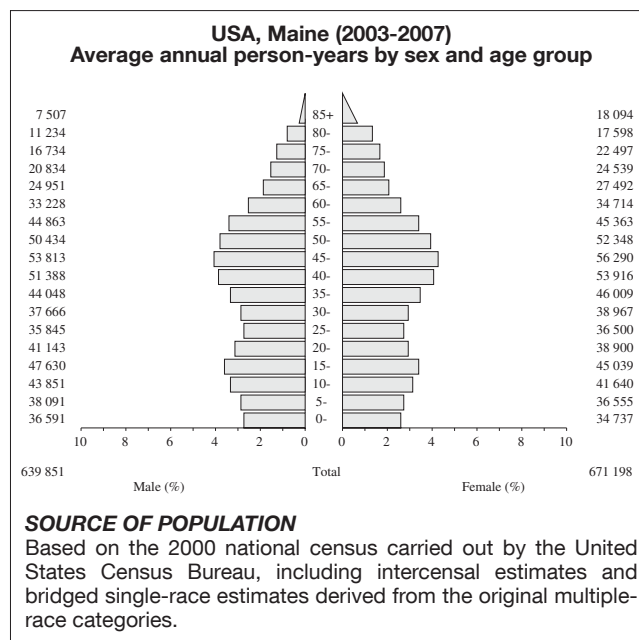
of a colorectal cancer screening programme in 2009 for underinsured and uninsured low-income residents aged 50–64 years. Maine has lost much of its manufacturing industry but still has an active shipbuilding sector. Arsenic (in well water) and radon are some of the known environmental exposures that may be elevated in Maine due to its geography.

## USE OF THE DATA

The Maine CR reports incidence, stage of disease, and mortality on an annual basis, by county, etc. The registry encourages data use by researchers throughout the state, region, and nation, particularly when there is an opportunity to better understand high cancer incidence rates (overall and for specific sites) in Maine.

## CONTRIBUTOR

Molly Schwenn



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 112.9 | Breast                     | 91.3  |
| Trachea, bronchus and lung | 60.8  | Trachea, bronchus and lung | 43.0  |
| Bladder                    | 28.8  | Corpus uteri               | 22.9  |
| Colon                      | 24.9  | Colon                      | 20.6  |
| Melanoma of skin           | 18.2  | Melanoma of skin           | 14.7  |
| Non-Hodgkin lymphoma       | 16.6  | Thyroid                    | 13.9  |
| Kidney                     | 13.0  | Non-Hodgkin lymphoma       | 12.5  |
| Rectum                     | 12.6  | Ovary                      | 8.8   |
| Other and unspecified      | 9.3   | Bladder                    | 8.3   |
| Pancreas                   | 8.5   | Kidney                     | 8.0   |
| All sites                  | 404.1 | All sites                  | 320.0 |

## USA, Maine (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 61        | 0.3       | 1.9                      | 1.1       | 0.05                     | 0.13      | 21        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.03  | C00             |
| Tongue                       | 164       | 0.8       | 5.1                      | 3.3       | 0.25                     | 0.39      | 83        | 0.4                      | 2.5       | 1.4                      | 0.10   | 0.16  | C01-02          |
| Mouth                        | 128       | 0.6       | 4.0                      | 2.5       | 0.14                     | 0.33      | 62        | 0.3                      | 1.8       | 1.0                      | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 58        | 0.3       | 1.8                      | 1.0       | 0.04                     | 0.10      | 33        | 0.2                      | 1.0       | 0.6                      | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 141       | 0.7       | 4.4                      | 2.9       | 0.26                     | 0.32      | 29        | 0.1                      | 0.9       | 0.5                      | 0.03   | 0.07  | C09             |
| Other oropharynx             | 28        | 0.1       | 0.9                      | 0.5       | 0.03                     | 0.07      | 10        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 21        | 0.1       | 0.7                      | 0.4       | 0.03                     | 0.04      | 6         | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 64        | 0.3       | 2.0                      | 1.2       | 0.07                     | 0.16      | 13        | 0.1                      | 0.4       | 0.2                      | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 8         | 0.0       | 0.3                      | 0.1       | 0.00                     | 0.02      | 4         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 441       | 2.1       | 13.8                     | 8.2       | 0.45                     | 1.04      | 108       | 0.6                      | 3.2       | 1.6                      | 0.08   | 0.21  | C15             |
| Stomach                      | 296       | 1.4       | 9.3                      | 5.4       | 0.29                     | 0.63      | 162       | 0.8                      | 4.8       | 2.2                      | 0.11   | 0.24  | C16             |
| Small intestine              | 89        | 0.4       | 2.8                      | 1.6       | 0.09                     | 0.17      | 87        | 0.4                      | 2.6       | 1.4                      | 0.07   | 0.16  | C17             |
| Colon                        | 1415      | 6.6       | 44.2                     | 24.9      | 1.09                     | 2.88      | 1590      | 8.2                      | 47.4      | 20.6                     | 0.93   | 2.30  | C18             |
| Rectum                       | 667       | 3.1       | 20.8                     | 12.6      | 0.75                     | 1.51      | 467       | 2.4                      | 13.9      | 7.2                      | 0.41   | 0.84  | C19-20          |
| Anus                         | 59        | 0.3       | 1.8                      | 1.3       | 0.08                     | 0.16      | 86        | 0.4                      | 2.6       | 1.4                      | 0.09   | 0.15  | C21             |
| Liver                        | 251       | 1.2       | 7.8                      | 4.5       | 0.24                     | 0.54      | 116       | 0.6                      | 3.5       | 1.7                      | 0.09   | 0.19  | C22             |
| Gallbladder etc.             | 101       | 0.5       | 3.2                      | 1.7       | 0.07                     | 0.19      | 140       | 0.7                      | 4.2       | 1.8                      | 0.08   | 0.21  | C23-24          |
| Pancreas                     | 477       | 2.2       | 14.9                     | 8.5       | 0.44                     | 0.99      | 488       | 2.5                      | 14.5      | 6.5                      | 0.29   | 0.78  | C25             |
| Nose, sinuses etc.           | 40        | 0.2       | 1.3                      | 0.8       | 0.05                     | 0.10      | 20        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.04  | C30-31          |
| Larynx                       | 278       | 1.3       | 8.7                      | 5.2       | 0.32                     | 0.66      | 81        | 0.4                      | 2.4       | 1.4                      | 0.09   | 0.19  | C32             |
| Trachea, bronchus and lung   | 3424      | 16.0      | 107.0                    | 60.8      | 2.69                     | 7.47      | 2853      | 14.7                     | 85.0      | 43.0                     | 2.14   | 5.50  | C33-34          |
| Other thoracic organs        | 16        | 0.1       | 0.5                      | 0.3       | 0.02                     | 0.04      | 17        | 0.1                      | 0.5       | 0.4                      | 0.01   | 0.03  | C37-38          |
| Bone                         | 55        | 0.3       | 1.7                      | 1.5       | 0.10                     | 0.12      | 37        | 0.2                      | 1.1       | 0.8                      | 0.06   | 0.06  | C40-41          |
| Melanoma of skin             | 904       | 4.2       | 28.3                     | 18.2      | 1.12                     | 2.08      | 737       | 3.8                      | 22.0      | 14.7                     | 1.07   | 1.48  | C43             |
| Other skin                   | 76        | 0.4       | 2.4                      | 1.4       | 0.07                     | 0.14      | 54        | 0.3                      | 1.6       | 0.9                      | 0.06   | 0.09  | C44             |
| Mesothelioma                 | 88        | 0.4       | 2.8                      | 1.4       | 0.04                     | 0.16      | 28        | 0.1                      | 0.8       | 0.4                      | 0.02   | 0.05  | C45             |
| Kaposi sarcoma               | 11        | 0.1       | 0.3                      | 0.2       | 0.02                     | 0.02      | 1         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 126       | 0.6       | 3.9                      | 2.6       | 0.13                     | 0.26      | 104       | 0.5                      | 3.1       | 2.3                      | 0.15   | 0.20  | C47+C49         |
| Breast                       | 74        | 0.3       | 2.3                      | 1.4       | 0.06                     | 0.17      | 5272      | 27.1                     | 157.1     | 91.3                     | 6.31   | 10.59 | C50             |
| Vulva                        |           |           |                          |           |                          |           | 128       | 0.7                      | 3.8       | 1.9                      | 0.12   | 0.21  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 32        | 0.2                      | 1.0       | 0.5                      | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 269       | 1.4                      | 8.0       | 6.0                      | 0.45   | 0.59  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 1273      | 6.6                      | 37.9      | 22.9                     | 1.74   | 2.80  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 24        | 0.1                      | 0.7       | 0.4                      | 0.03   | 0.05  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 509       | 2.6                      | 15.2      | 8.8                      | 0.60   | 1.03  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 40        | 0.2                      | 1.2       | 0.6                      | 0.04   | 0.07  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 3         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C58             |
| Penis                        | 40        | 0.2       | 1.3                      | 0.8       | 0.04                     | 0.10      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 5975      | 27.9      | 186.8                    | 112.9     | 5.73                     | 15.36     |           |                          |           |                          |        |       | C61             |
| Testis                       | 195       | 0.9       | 6.1                      | 5.8       | 0.44                     | 0.44      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 8         | 0.0       | 0.3                      | 0.1       | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 655       | 3.1       | 20.5                     | 13.0      | 0.78                     | 1.58      | 471       | 2.4                      | 14.0      | 8.0                      | 0.51   | 0.95  | C64             |
| Renal pelvis                 | 34        | 0.2       | 1.1                      | 0.6       | 0.02                     | 0.06      | 26        | 0.1                      | 0.8       | 0.3                      | 0.02   | 0.03  | C65             |
| Ureter                       | 24        | 0.1       | 0.8                      | 0.4       | 0.00                     | 0.04      | 18        | 0.1                      | 0.5       | 0.2                      | 0.00   | 0.03  | C66             |
| Bladder                      | 1666      | 7.8       | 52.1                     | 28.8      | 1.16                     | 3.40      | 604       | 3.1                      | 18.0      | 8.3                      | 0.39   | 0.97  | C67             |
| Other urinary organs         | 12        | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.02      | 5         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.00  | C68             |
| Eye                          | 36        | 0.2       | 1.1                      | 0.7       | 0.04                     | 0.09      | 36        | 0.2                      | 1.1       | 0.7                      | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 329       | 1.5       | 10.3                     | 7.8       | 0.50                     | 0.75      | 237       | 1.2                      | 7.1       | 4.8                      | 0.27   | 0.46  | C70-72          |
| Thyroid                      | 154       | 0.7       | 4.8                      | 3.7       | 0.29                     | 0.36      | 583       | 3.0                      | 17.4      | 13.9                     | 1.06   | 1.25  | C73             |
| Adrenal gland                | 6         | 0.0       | 0.2                      | 0.3       | 0.01                     | 0.01      | 15        | 0.1                      | 0.4       | 0.5                      | 0.03   | 0.04  | C74             |
| Other endocrine              | 5         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01      | 2         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 125       | 0.6       | 3.9                      | 3.4       | 0.25                     | 0.30      | 102       | 0.5                      | 3.0       | 2.8                      | 0.18   | 0.23  | C81             |
| Non-Hodgkin lymphoma         | 848       | 4.0       | 26.5                     | 16.6      | 0.90                     | 1.73      | 795       | 4.1                      | 23.7      | 12.5                     | 0.72   | 1.41  | C82-85,C96      |
| Immunoproliferative diseases | 19        | 0.1       | 0.6                      | 0.3       | 0.01                     | 0.04      | 20        | 0.1                      | 0.6       | 0.2                      | 0.00   | 0.02  | C88             |
| Multiple myeloma             | 240       | 1.1       | 7.5                      | 4.3       | 0.21                     | 0.51      | 193       | 1.0                      | 5.8       | 2.7                      | 0.12   | 0.32  | C90             |
| Lymphoid leukaemia           | 368       | 1.7       | 11.5                     | 7.6       | 0.39                     | 0.82      | 252       | 1.3                      | 7.5       | 4.7                      | 0.21   | 0.44  | C91             |
| Myeloid leukaemia            | 295       | 1.4       | 9.2                      | 5.7       | 0.26                     | 0.59      | 194       | 1.0                      | 5.8       | 3.5                      | 0.20   | 0.35  | C92-94          |
| Leukaemia unspecified        | 10        | 0.0       | 0.3                      | 0.2       | 0.01                     | 0.01      | 19        | 0.1                      | 0.6       | 0.2                      | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 109       | 0.5       | 3.4                      | 2.0       | 0.11                     | 0.23      | 139       | 0.7                      | 4.1       | 2.1                      | 0.11   | 0.24  | MPD             |
| Myelodysplastic syndromes    | 230       | 1.1       | 7.2                      | 3.7       | 0.09                     | 0.39      | 135       | 0.7                      | 4.0       | 1.6                      | 0.05   | 0.17  | MDS             |
| Other and unspecified        | 531       | 2.5       | 16.6                     | 9.3       | 0.42                     | 1.00      | 647       | 3.3                      | 19.3      | 7.8                      | 0.30   | 0.86  | O&U             |
| All sites                    | 21475     |           | 671.2                    | 404.1     | 20.69                    | 48.74     | 19480     |                          | 580.5     | 320.0                    | 19.61  | 36.50 | C00-96          |
| All sites except C44         | 21399     | 100.0     | 668.9                    | 402.7     | 20.62                    | 48.60     | 19426     | 100.0                    | 578.8     | 319.1                    | 19.55  | 36.41 | C00-96 exc. C44 |

# USA, Massachusetts

## REGISTRATION AREA

The Massachusetts Cancer Registry (MCR) covers the population of the state of the Commonwealth of Massachusetts in the USA. At the 2011 census, the population was estimated at 6.5 million. The population is 76.4% non-Hispanic White, 7.6% non-Hispanic Black, 9.9% Hispanic, 5.6% non-Hispanic Asian, and 0.5% non-Hispanic Native American.

## CANCER CARE FACILITIES

In 2012, a total of 65 acute care hospitals, six radiation centres, three endoscopy centres, four surgical centres, 19 independent laboratories, two medical practice associations, four radiation/oncology centres, and approximately 500 private-practice physicians in Massachusetts reported to the MCR.

## REGISTRY STRUCTURE AND METHODS

The MCR is located within the Bureau of Health Information, Statistics, Research and Evaluation (BHISRE) at the Massachusetts Department of Public Health (MDPH). It is funded by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR) (75%) and the Commonwealth of Massachusetts (25%). The registry staff includes a director, six operations staff members (quality assurance and data acquisition), two epidemiology staff members, two geographical information systems/special project staff members, and two systems analysts. The MCR follows CDC/NPCR programme requirements for data collection and reporting and has achieved North American Association of Central Cancer Registries (NAACCR) Gold Certification for completeness, quality, and timeliness for the past several years.

## INTERPRETING THE RESULTS

The MCR has been collecting reports on melanoma cases from dermatologists and dermatology laboratories since 2001, and reports from urologists' offices since 2012. Data are collected on in situ and invasive cancers (including bladder cancers) and benign tumours of the brain and associated tissues, but not on basal or squamous cell skin cancers. There

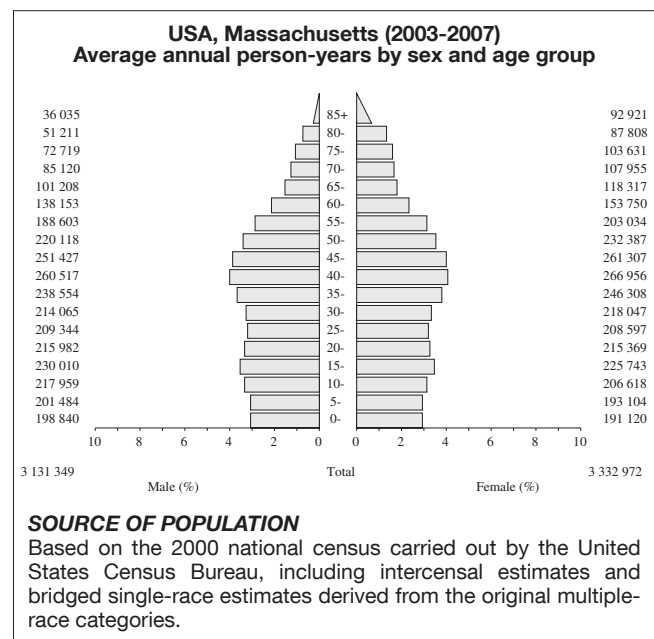
are organized screening programmes at the state level for breast, cervical, and colorectal cancers.

## USE OF THE DATA

The MCR produces two annual reports: *Cancer Incidence and Mortality in Massachusetts* (which provides information on cancer incidence and mortality for the state as a whole) and *Cancer Incidence in Massachusetts: City and Town Supplement* (which provides information on cancer incidence for the state's 351 cities and towns). The registry also produces several special topic reports. MCR data are available to the public online from the MassCHIP website (<http://www.mass.gov/eohhs/researcher/community-health/masschip/>). The registry's data are also used for programme planning and evaluation, and by external researchers for epidemiological studies.

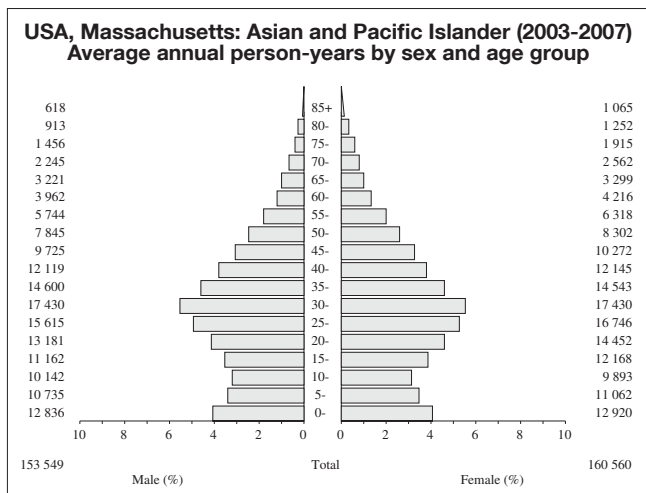
## CONTRIBUTOR

Susan Gershman



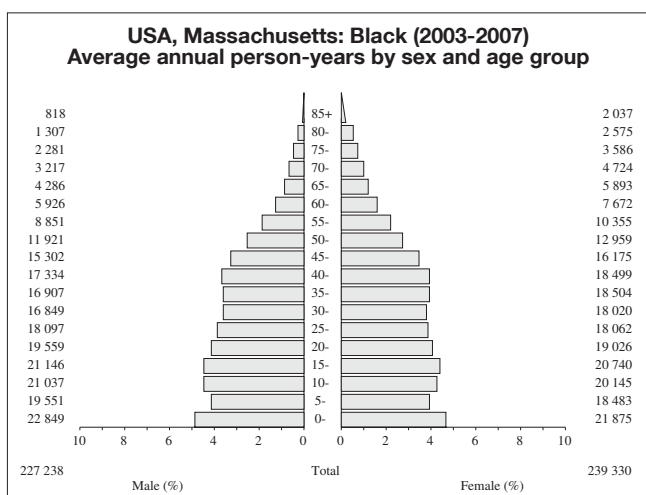
## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 115.2 | Breast                     | 93.3  |
| Trachea, bronchus and lung | 51.3  | Trachea, bronchus and lung | 41.5  |
| Bladder                    | 26.6  | Corpus uteri               | 21.5  |
| Colon                      | 24.5  | Colon                      | 18.8  |
| Melanoma of skin           | 18.3  | Thyroid                    | 18.7  |
| Non-Hodgkin lymphoma       | 16.1  | Melanoma of skin           | 14.1  |
| Kidney                     | 14.0  | Non-Hodgkin lymphoma       | 11.2  |
| Rectum                     | 12.2  | Ovary                      | 9.5   |
| Pancreas                   | 8.5   | Bladder                    | 7.9   |
| Oesophagus                 | 7.6   | Rectum                     | 7.2   |
| All sites                  | 391.7 | All sites                  | 315.1 |



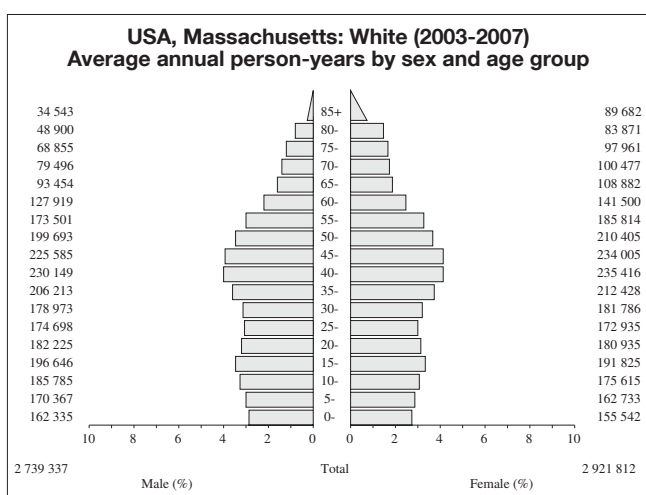
**USA, MASSACHUSETTS: ASIAN AND PACIFIC ISLANDER**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 37.8         | Breast                     | 48.4         |
| Trachea, bronchus and lung | 26.6         | Thyroid                    | 19.6         |
| Liver                      | 22.3         | Trachea, bronchus and lung | 18.1         |
| Colon                      | 14.8         | Colon                      | 14.6         |
| Rectum                     | 9.6          | Corpus uteri               | 11.6         |
| Non-Hodgkin lymphoma       | 9.0          | Rectum                     | 6.3          |
| Stomach                    | 7.5          | Stomach                    | 6.2          |
| Bladder                    | 5.6          | Non-Hodgkin lymphoma       | 6.1          |
| Kidney                     | 5.5          | Ovary                      | 6.1          |
| Thyroid                    | 4.4          | Liver                      | 4.9          |
| <b>All sites</b>           | <b>182.3</b> | <b>All sites</b>           | <b>183.9</b> |



**USA, MASSACHUSETTS: BLACK**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 170.7        | Breast                     | 73.7         |
| Trachea, bronchus and lung | 54.5         | Trachea, bronchus and lung | 28.9         |
| Colon                      | 23.2         | Colon                      | 19.2         |
| Kidney                     | 13.9         | Corpus uteri               | 14.9         |
| Non-Hodgkin lymphoma       | 12.7         | Thyroid                    | 14.6         |
| Bladder                    | 12.3         | Non-Hodgkin lymphoma       | 8.6          |
| Stomach                    | 11.6         | Pancreas                   | 7.3          |
| Liver                      | 10.8         | Other and unspecified      | 6.9          |
| Rectum                     | 10.7         | Kidney                     | 6.7          |
| Other and unspecified      | 9.8          | Cervix uteri               | 6.5          |
| <b>All sites</b>           | <b>402.2</b> | <b>All sites</b>           | <b>248.1</b> |



**USA, MASSACHUSETTS: WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 111.1        | Breast                     | 95.2         |
| Trachea, bronchus and lung | 51.8         | Trachea, bronchus and lung | 42.8         |
| Bladder                    | 27.5         | Corpus uteri               | 21.9         |
| Colon                      | 24.6         | Colon                      | 18.8         |
| Melanoma of skin           | 18.5         | Thyroid                    | 18.6         |
| Non-Hodgkin lymphoma       | 16.2         | Melanoma of skin           | 14.3         |
| Kidney                     | 14.2         | Non-Hodgkin lymphoma       | 11.3         |
| Rectum                     | 12.1         | Ovary                      | 9.7          |
| Pancreas                   | 8.7          | Bladder                    | 8.2          |
| Oesophagus                 | 7.8          | Rectum                     | 7.2          |
| <b>All sites</b>           | <b>390.5</b> | <b>All sites</b>           | <b>319.6</b> |

## USA, Massachusetts (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 113       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.05      | 46        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 763       | 0.9       | 4.9                      | <b>3.5</b>   | 0.26                     | 0.43      | 349       | 0.4                      | 2.1       | <b>1.3</b>               | 0.09   | 0.15  | C01-02          |
| Mouth                        | 461       | 0.5       | 2.9                      | <b>2.1</b>   | 0.13                     | 0.27      | 333       | 0.4                      | 2.0       | <b>1.1</b>               | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 221       | 0.2       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.10      | 210       | 0.2                      | 1.3       | <b>0.8</b>               | 0.05   | 0.08  | C07-08          |
| Tonsil                       | 484       | 0.5       | 3.1                      | <b>2.3</b>   | 0.20                     | 0.28      | 124       | 0.1                      | 0.7       | <b>0.5</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 107       | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 45        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 148       | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                     | 0.07      | 74        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 225       | 0.3       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.12      | 64        | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 53        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 9         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 1773      | 2.0       | 11.3                     | <b>7.6</b>   | 0.44                     | 0.95      | 498       | 0.6                      | 3.0       | <b>1.5</b>               | 0.06   | 0.19  | C15             |
| Stomach                      | 1579      | 1.8       | 10.1                     | <b>6.4</b>   | 0.29                     | 0.72      | 1014      | 1.2                      | 6.1       | <b>2.8</b>               | 0.13   | 0.31  | C16             |
| Small intestine              | 371       | 0.4       | 2.4                      | <b>1.6</b>   | 0.10                     | 0.19      | 314       | 0.4                      | 1.9       | <b>1.1</b>               | 0.06   | 0.14  | C17             |
| Colon                        | 6089      | 6.8       | 38.9                     | <b>24.5</b>  | 1.12                     | 2.83      | 6767      | 7.7                      | 40.6      | <b>18.8</b>              | 0.86   | 2.09  | C18             |
| Rectum                       | 2819      | 3.2       | 18.0                     | <b>12.2</b>  | 0.71                     | 1.45      | 2178      | 2.5                      | 13.1      | <b>7.2</b>               | 0.42   | 0.84  | C19-20          |
| Anus                         | 197       | 0.2       | 1.3                      | <b>0.9</b>   | 0.06                     | 0.10      | 316       | 0.4                      | 1.9       | <b>1.2</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 1681      | 1.9       | 10.7                     | <b>7.5</b>   | 0.49                     | 0.90      | 615       | 0.7                      | 3.7       | <b>2.0</b>               | 0.11   | 0.23  | C22             |
| Gallbladder etc.             | 472       | 0.5       | 3.0                      | <b>1.9</b>   | 0.08                     | 0.22      | 584       | 0.7                      | 3.5       | <b>1.6</b>               | 0.07   | 0.18  | C23-24          |
| Pancreas                     | 2073      | 2.3       | 13.2                     | <b>8.5</b>   | 0.41                     | 1.03      | 2259      | 2.6                      | 13.6      | <b>6.6</b>               | 0.29   | 0.77  | C25             |
| Nose, sinuses etc.           | 121       | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.06      | 87        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 1054      | 1.2       | 6.7                      | <b>4.7</b>   | 0.26                     | 0.61      | 307       | 0.3                      | 1.8       | <b>1.2</b>               | 0.07   | 0.16  | C32             |
| Trachea, bronchus and lung   | 12337     | 13.8      | 78.8                     | <b>51.3</b>  | 2.24                     | 6.47      | 12477     | 14.2                     | 74.9      | <b>41.5</b>              | 2.09   | 5.40  | C33-34          |
| Other thoracic organs        | 109       | 0.1       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.05      | 75        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 182       | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.09      | 173       | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 4135      | 4.6       | 26.4                     | <b>18.3</b>  | 1.10                     | 2.08      | 3485      | 4.0                      | 20.9      | <b>14.1</b>              | 1.00   | 1.44  | C43             |
| Other skin                   | 358       | 0.4       | 2.3                      | <b>1.5</b>   | 0.07                     | 0.16      | 312       | 0.4                      | 1.9       | <b>1.1</b>               | 0.06   | 0.11  | C44             |
| Mesothelioma                 | 381       | 0.4       | 2.4                      | <b>1.5</b>   | 0.06                     | 0.17      | 100       | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 139       | 0.2       | 0.9                      | <b>0.6</b>   | 0.05                     | 0.06      | 25        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 574       | 0.6       | 3.7                      | <b>2.8</b>   | 0.15                     | 0.27      | 465       | 0.5                      | 2.8       | <b>2.0</b>               | 0.12   | 0.18  | C47+C49         |
| Breast                       | 208       | 0.2       | 1.3                      | <b>0.9</b>   | 0.04                     | 0.11      | 24628     | 28.1                     | 147.8     | <b>93.3</b>              | 6.65   | 10.73 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 545       | 0.6                      | 3.3       | <b>1.8</b>               | 0.10   | 0.20  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 123       | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 1058      | 1.2                      | 6.3       | <b>4.7</b>               | 0.36   | 0.46  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 5486      | 6.3                      | 32.9      | <b>21.5</b>              | 1.61   | 2.63  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 116       | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 2566      | 2.9                      | 15.4      | <b>9.5</b>               | 0.63   | 1.08  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 173       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.08  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 12        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 153       | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 25363     | 28.4      | 162.0                    | <b>115.2</b> | 6.46                     | 15.70     |           |                          |           |                          |        |       | C61             |
| Testis                       | 997       | 1.1       | 6.4                      | <b>5.7</b>   | 0.43                     | 0.45      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 37        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 3149      | 3.5       | 20.1                     | <b>14.0</b>  | 0.86                     | 1.64      | 1932      | 2.2                      | 11.6      | <b>7.0</b>               | 0.43   | 0.84  | C64             |
| Renal pelvis                 | 130       | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06      | 106       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 117       | 0.1       | 0.7                      | <b>0.5</b>   | 0.01                     | 0.06      | 70        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 6685      | 7.5       | 42.7                     | <b>26.6</b>  | 1.08                     | 3.15      | 2583      | 2.9                      | 15.5      | <b>7.9</b>               | 0.36   | 0.98  | C67             |
| Other urinary organs         | 98        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.04      | 30        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 185       | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.10      | 178       | 0.2                      | 1.1       | <b>0.8</b>               | 0.05   | 0.08  | C69             |
| Brain, nervous system        | 1346      | 1.5       | 8.6                      | <b>6.9</b>   | 0.42                     | 0.67      | 1129      | 1.3                      | 6.8       | <b>5.3</b>               | 0.31   | 0.49  | C70-72          |
| Thyroid                      | 1206      | 1.4       | 7.7                      | <b>5.9</b>   | 0.43                     | 0.62      | 3967      | 4.5                      | 23.8      | <b>18.7</b>              | 1.47   | 1.82  | C73             |
| Adrenal gland                | 66        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.03      | 64        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 26        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 24        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 609       | 0.7       | 3.9                      | <b>3.5</b>   | 0.24                     | 0.28      | 493       | 0.6                      | 3.0       | <b>2.7</b>               | 0.18   | 0.21  | C81             |
| Non-Hodgkin lymphoma         | 3689      | 4.1       | 23.6                     | <b>16.1</b>  | 0.91                     | 1.74      | 3371      | 3.8                      | 20.2      | <b>11.2</b>              | 0.64   | 1.24  | C82-85,C96      |
| Immunoproliferative diseases | 153       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                     | 0.08      | 91        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C88             |
| Multiple myeloma             | 1066      | 1.2       | 6.8                      | <b>4.4</b>   | 0.22                     | 0.53      | 840       | 1.0                      | 5.0       | <b>2.6</b>               | 0.14   | 0.31  | C90             |
| Lymphoid leukaemia           | 1209      | 1.4       | 7.7                      | <b>6.1</b>   | 0.33                     | 0.59      | 879       | 1.0                      | 5.3       | <b>3.8</b>               | 0.19   | 0.34  | C91             |
| Myeloid leukaemia            | 1038      | 1.2       | 6.6                      | <b>4.5</b>   | 0.23                     | 0.47      | 878       | 1.0                      | 5.3       | <b>3.3</b>               | 0.19   | 0.33  | C92-94          |
| Leukaemia unspecified        | 91        | 0.1       | 0.6                      | <b>0.3</b>   | 0.00                     | 0.02      | 90        | 0.1                      | 0.5       | <b>0.2</b>               | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 378       | 0.4       | 2.4                      | <b>1.5</b>   | 0.08                     | 0.17      | 427       | 0.5                      | 2.6       | <b>1.4</b>               | 0.07   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 766       | 0.9       | 4.9                      | <b>2.8</b>   | 0.07                     | 0.29      | 597       | 0.7                      | 3.6       | <b>1.6</b>               | 0.06   | 0.17  | MDS             |
| Other and unspecified        | 1880      | 2.1       | 12.0                     | <b>7.4</b>   | 0.32                     | 0.81      | 2306      | 2.6                      | 13.8      | <b>6.3</b>               | 0.27   | 0.71  | O&U             |
| All sites                    | 89664     |           | 572.7                    | <b>391.7</b> | 20.93                    | 47.51     | 88067     |                          | 528.5     | <b>315.1</b>             | 19.70  | 35.96 | C00-96          |
| All sites except C44         | 89306     | 100.0     | 570.4                    | <b>390.2</b> | 20.85                    | 47.35     | 87755     | 100.0                    | 526.6     | <b>314.0</b>             | 19.64  | 35.85 | C00-96 exc. C44 |

## USA, Massachusetts: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.04  | C00             |
| Tongue                       | 5         | 0.4       | 0.7                      | <b>0.8</b>   | 0.06                     | 0.11      | 6         | 0.4                      | 0.7       | <b>0.9</b>               | 0.06   | 0.13  | C01-02          |
| Mouth                        | 2         | 0.2       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 6         | 0.4                      | 0.7       | <b>0.7</b>               | 0.02   | 0.06  | C03-06          |
| Salivary glands              | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 7         | 0.5                      | 0.9       | <b>0.8</b>               | 0.07   | 0.07  | C07-08          |
| Tonsil                       | 5         | 0.4       | 0.7                      | <b>0.5</b>   | 0.06                     | 0.06      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.03   | 0.03  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 31        | 2.6       | 4.0                      | <b>4.0</b>   | 0.27                     | 0.45      | 24        | 1.6                      | 3.0       | <b>3.0</b>               | 0.23   | 0.36  | C11             |
| Hypopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 21        | 1.7       | 2.7                      | <b>3.2</b>   | 0.13                     | 0.30      | 6         | 0.4                      | 0.7       | <b>0.9</b>               | 0.03   | 0.18  | C15             |
| Stomach                      | 48        | 4.0       | 6.3                      | <b>7.5</b>   | 0.26                     | 0.84      | 49        | 3.3                      | 6.1       | <b>6.2</b>               | 0.30   | 0.82  | C16             |
| Small intestine              | 5         | 0.4       | 0.7                      | <b>0.8</b>   | 0.03                     | 0.15      | 6         | 0.4                      | 0.7       | <b>0.9</b>               | 0.02   | 0.12  | C17             |
| Colon                        | 96        | 7.9       | 12.5                     | <b>14.8</b>  | 0.75                     | 1.71      | 114       | 7.8                      | 14.2      | <b>14.6</b>              | 0.69   | 1.68  | C18             |
| Rectum                       | 66        | 5.4       | 8.6                      | <b>9.6</b>   | 0.49                     | 1.17      | 50        | 3.4                      | 6.2       | <b>6.3</b>               | 0.51   | 0.65  | C19-20          |
| Anus                         | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.02                     | 0.02      | 4         | 0.3                      | 0.5       | <b>0.5</b>               | 0.01   | 0.09  | C21             |
| Liver                        | 155       | 12.8      | 20.2                     | <b>22.3</b>  | 1.48                     | 2.78      | 37        | 2.5                      | 4.6       | <b>4.9</b>               | 0.22   | 0.70  | C22             |
| Gallbladder etc.             | 15        | 1.2       | 2.0                      | <b>2.4</b>   | 0.08                     | 0.36      | 17        | 1.2                      | 2.1       | <b>2.2</b>               | 0.06   | 0.26  | C23-24          |
| Pancreas                     | 24        | 2.0       | 3.1                      | <b>3.5</b>   | 0.18                     | 0.33      | 38        | 2.6                      | 4.7       | <b>4.8</b>               | 0.22   | 0.50  | C25             |
| Nose, sinuses etc.           | 2         | 0.2       | 0.3                      | <b>0.4</b>   | 0.03                     | 0.06      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 5         | 0.4       | 0.7                      | <b>0.8</b>   | 0.03                     | 0.11      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.02   | 0.02  | C32             |
| Trachea, bronchus and lung   | 181       | 14.9      | 23.6                     | <b>26.6</b>  | 1.07                     | 3.02      | 136       | 9.3                      | 16.9      | <b>18.1</b>              | 0.79   | 2.23  | C33-34          |
| Other thoracic organs        | 6         | 0.5       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.06      | 3         | 0.2                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 5         | 0.4       | 0.7                      | <b>0.8</b>   | 0.05                     | 0.05      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C40-41          |
| Melanoma of skin             | 5         | 0.4       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.06      | 7         | 0.5                      | 0.9       | <b>0.8</b>               | 0.04   | 0.07  | C43             |
| Other skin                   | 3         | 0.4       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.05      | 4         | 0.5                      | 0.5       | <b>0.5</b>               | 0.02   | 0.02  | C44             |
| Mesothelioma                 | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.03                     | 0.03      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.03  | C45             |
| Kaposi sarcoma               | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 8         | 0.7       | 1.0                      | <b>1.3</b>   | 0.06                     | 0.18      | 5         | 0.3                      | 0.6       | <b>0.7</b>               | 0.04   | 0.11  | C47+C49         |
| Breast                       | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 394       | 26.8                     | 49.1      | <b>48.4</b>              | 3.76   | 5.49  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 3         | 0.2                      | 0.4       | <b>0.5</b>               | 0.05   | 0.05  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 2         | 0.1                      | 0.2       | <b>0.3</b>               | 0.03   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 37        | 2.5                      | 4.6       | <b>4.2</b>               | 0.31   | 0.45  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 89        | 6.1                      | 11.1      | <b>11.6</b>              | 0.92   | 1.29  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.03   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 50        | 3.4                      | 6.2       | <b>6.1</b>               | 0.50   | 0.71  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 8         | 0.5                      | 1.0       | <b>1.1</b>               | 0.07   | 0.10  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 5         | 0.4       | 0.7                      | <b>0.8</b>   | 0.07                     | 0.11      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 229       | 18.9      | 29.8                     | <b>37.8</b>  | 1.35                     | 5.68      |           |                          |           |                          |        |       | C61             |
| Testis                       | 9         | 0.7       | 1.2                      | <b>0.9</b>   | 0.06                     | 0.06      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.02                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 36        | 3.0       | 4.7                      | <b>5.5</b>   | 0.35                     | 0.71      | 21        | 1.4                      | 2.6       | <b>2.4</b>               | 0.09   | 0.28  | C64             |
| Renal pelvis                 | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.04      | 2         | 0.1                      | 0.2       | <b>0.3</b>               | 0.00   | 0.04  | C65             |
| Ureter                       | 2         | 0.2       | 0.3                      | <b>0.4</b>   | 0.00                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 37        | 3.0       | 4.8                      | <b>5.6</b>   | 0.21                     | 0.78      | 15        | 1.0                      | 1.9       | <b>2.0</b>               | 0.09   | 0.25  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 17        | 1.4       | 2.2                      | <b>2.4</b>   | 0.15                     | 0.19      | 16        | 1.1                      | 2.0       | <b>2.2</b>               | 0.11   | 0.21  | C70-72          |
| Thyroid                      | 36        | 3.0       | 4.7                      | <b>4.4</b>   | 0.36                     | 0.49      | 173       | 11.8                     | 21.5      | <b>19.6</b>              | 1.52   | 2.14  | C73             |
| Adrenal gland                | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.2       | <b>0.3</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 7         | 0.6       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.12      | 4         | 0.3                      | 0.5       | <b>0.4</b>               | 0.02   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 61        | 5.0       | 7.9                      | <b>9.0</b>   | 0.52                     | 1.07      | 50        | 3.4                      | 6.2       | <b>6.1</b>               | 0.33   | 0.61  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.03  | C88             |
| Multiple myeloma             | 9         | 0.7       | 1.2                      | <b>1.5</b>   | 0.09                     | 0.12      | 6         | 0.4                      | 0.7       | <b>0.9</b>               | 0.06   | 0.10  | C90             |
| Lymphoid leukaemia           | 10        | 0.8       | 1.3                      | <b>1.5</b>   | 0.09                     | 0.12      | 7         | 0.5                      | 0.9       | <b>1.1</b>               | 0.06   | 0.10  | C91             |
| Myeloid leukaemia            | 25        | 2.1       | 3.3                      | <b>3.6</b>   | 0.19                     | 0.42      | 18        | 1.2                      | 2.2       | <b>2.4</b>               | 0.20   | 0.23  | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 4         | 0.3       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.07      | 9         | 0.6                      | 1.1       | <b>0.9</b>               | 0.08   | 0.08  | MPD             |
| Myelodysplastic syndromes    | 6         | 0.5       | 0.8                      | <b>0.7</b>   | 0.01                     | 0.01      | 4         | 0.3                      | 0.5       | <b>0.5</b>               | 0.01   | 0.08  | MDS             |
| Other and unspecified        | 28        | 2.3       | 3.6                      | <b>4.3</b>   | 0.22                     | 0.44      | 31        | 2.1                      | 3.9       | <b>3.7</b>               | 0.11   | 0.32  | O&U             |
| All sites                    | 1217      |           | 158.5                    | <b>182.3</b> | 8.96                     | 22.50     | 1474      |                          | 183.6     | <b>183.9</b>             | 11.80  | 20.92 | C00-96          |
| All sites except C44         | 1214      | 100.0     | 158.1                    | <b>181.9</b> | 8.95                     | 22.45     | 1470      | 100.0                    | 183.1     | <b>183.4</b>             | 11.79  | 20.90 | C00-96 exc. C44 |



## USA, Massachusetts: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 14        | 0.4       | 1.2                      | <b>1.3</b>   | 0.11                     | 0.14      | 11        | 0.3                      | 0.9       | <b>0.9</b>               | 0.06   | 0.12  | C01-02          |
| Mouth                        | 24        | 0.6       | 2.1                      | <b>2.7</b>   | 0.21                     | 0.30      | 7         | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.07  | C03-06          |
| Salivary glands              | 12        | 0.3       | 1.1                      | <b>0.9</b>   | 0.08                     | 0.08      | 18        | 0.6                      | 1.5       | <b>1.3</b>               | 0.10   | 0.12  | C07-08          |
| Tonsil                       | 20        | 0.5       | 1.8                      | <b>2.0</b>   | 0.19                     | 0.25      | 3         | 0.1                      | 0.3       | <b>0.2</b>               | 0.03   | 0.03  | C09             |
| Other oropharynx             | 5         | 0.1       | 0.4                      | <b>0.6</b>   | 0.05                     | 0.09      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 11        | 0.3       | 1.0                      | <b>1.1</b>   | 0.08                     | 0.10      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 15        | 0.4       | 1.3                      | <b>1.5</b>   | 0.11                     | 0.16      | 7         | 0.2                      | 0.6       | <b>0.5</b>               | 0.01   | 0.07  | C12-13          |
| Pharynx unspecified          | 3         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 68        | 1.8       | 6.0                      | <b>7.4</b>   | 0.41                     | 0.89      | 29        | 0.9                      | 2.4       | <b>2.2</b>               | 0.13   | 0.28  | C15             |
| Stomach                      | 111       | 2.9       | 9.8                      | <b>11.6</b>  | 0.57                     | 1.39      | 70        | 2.2                      | 5.8       | <b>4.8</b>               | 0.25   | 0.45  | C16             |
| Small intestine              | 20        | 0.5       | 1.8                      | <b>1.9</b>   | 0.18                     | 0.24      | 16        | 0.5                      | 1.3       | <b>1.2</b>               | 0.08   | 0.19  | C17             |
| Colon                        | 222       | 5.9       | 19.5                     | <b>23.2</b>  | 1.15                     | 2.89      | 265       | 8.2                      | 22.1      | <b>19.2</b>              | 1.04   | 2.04  | C18             |
| Rectum                       | 112       | 3.0       | 9.9                      | <b>10.7</b>  | 0.69                     | 1.16      | 73        | 2.3                      | 6.1       | <b>5.6</b>               | 0.36   | 0.61  | C19-20          |
| Anus                         | 9         | 0.2       | 0.8                      | <b>0.9</b>   | 0.05                     | 0.11      | 13        | 0.4                      | 1.1       | <b>0.9</b>               | 0.07   | 0.09  | C21             |
| Liver                        | 111       | 2.9       | 9.8                      | <b>10.8</b>  | 0.76                     | 1.24      | 34        | 1.1                      | 2.8       | <b>2.5</b>               | 0.13   | 0.24  | C22             |
| Gallbladder etc.             | 20        | 0.5       | 1.8                      | <b>2.0</b>   | 0.12                     | 0.27      | 30        | 0.9                      | 2.5       | <b>2.3</b>               | 0.08   | 0.31  | C23-24          |
| Pancreas                     | 80        | 2.1       | 7.0                      | <b>8.5</b>   | 0.46                     | 1.12      | 97        | 3.0                      | 8.1       | <b>7.3</b>               | 0.33   | 0.91  | C25             |
| Nose, sinuses etc.           | 3         | 0.1       | 0.3                      | <b>0.3</b>   | 0.03                     | 0.03      | 5         | 0.2                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C30-31          |
| Larynx                       | 36        | 0.9       | 3.2                      | <b>3.8</b>   | 0.27                     | 0.46      | 17        | 0.5                      | 1.4       | <b>1.4</b>               | 0.07   | 0.23  | C32             |
| Trachea, bronchus and lung   | 500       | 13.2      | 44.0                     | <b>54.5</b>  | 2.52                     | 7.02      | 370       | 11.4                     | 30.9      | <b>28.9</b>              | 1.59   | 3.65  | C33-34          |
| Other thoracic organs        | 7         | 0.2       | 0.6                      | <b>0.6</b>   | 0.05                     | 0.05      | 4         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 11        | 0.3       | 1.0                      | <b>1.0</b>   | 0.05                     | 0.05      | 11        | 0.3                      | 0.9       | <b>0.9</b>               | 0.06   | 0.06  | C40-41          |
| Melanoma of skin             | 10        | 0.3       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.09      | 9         | 0.3                      | 0.8       | <b>0.6</b>               | 0.03   | 0.05  | C43             |
| Other skin                   | 9         | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.07      | 15        | 0.5                      | 1.3       | <b>1.2</b>               | 0.10   | 0.13  | C44             |
| Mesothelioma                 | 6         | 0.2       | 0.5                      | <b>0.7</b>   | 0.00                     | 0.12      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 22        | 0.6       | 1.9                      | <b>1.9</b>   | 0.13                     | 0.22      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 18        | 0.5       | 1.6                      | <b>1.8</b>   | 0.11                     | 0.16      | 21        | 0.6                      | 1.8       | <b>1.7</b>               | 0.13   | 0.17  | C47+C49         |
| Breast                       | 11        | 0.3       | 1.0                      | <b>1.4</b>   | 0.04                     | 0.21      | 962       | 29.7                     | 80.4      | <b>73.7</b>              | 5.26   | 8.54  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 14        | 0.4                      | 1.2       | <b>1.0</b>               | 0.08   | 0.11  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 16        | 0.5                      | 1.3       | <b>1.3</b>               | 0.08   | 0.15  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 90        | 2.8                      | 7.5       | <b>6.5</b>               | 0.46   | 0.73  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 181       | 5.6                      | 15.1      | <b>14.9</b>              | 0.99   | 1.95  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 11        | 0.3                      | 0.9       | <b>0.7</b>               | 0.02   | 0.06  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 62        | 1.9                      | 5.2       | <b>4.8</b>               | 0.30   | 0.61  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 5         | 0.2                      | 0.4       | <b>0.4</b>               | 0.01   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 4         | 0.1       | 0.4                      | <b>0.5</b>   | 0.01                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1543      | 40.7      | 135.8                    | <b>170.7</b> | 10.12                    | 23.08     |           |                          |           |                          |        |       | C61             |
| Testis                       | 12        | 0.3       | 1.1                      | <b>0.9</b>   | 0.07                     | 0.07      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 140       | 3.7       | 12.3                     | <b>13.9</b>  | 0.79                     | 1.65      | 83        | 2.6                      | 6.9       | <b>6.7</b>               | 0.53   | 0.80  | C64             |
| Renal pelvis                 | 2         | 0.1       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 6         | 0.2       | 0.5                      | <b>0.7</b>   | 0.02                     | 0.07      | 2         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 118       | 3.1       | 10.4                     | <b>12.3</b>  | 0.58                     | 1.36      | 53        | 1.6                      | 4.4       | <b>3.7</b>               | 0.14   | 0.43  | C67             |
| Other urinary organs         | 5         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.05      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.03  | C68             |
| Eye                          | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 7         | 0.2                      | 0.6       | <b>0.6</b>               | 0.04   | 0.04  | C69             |
| Brain, nervous system        | 29        | 0.8       | 2.6                      | <b>2.5</b>   | 0.20                     | 0.23      | 20        | 0.6                      | 1.7       | <b>1.7</b>               | 0.13   | 0.17  | C70-72          |
| Thyroid                      | 32        | 0.8       | 2.8                      | <b>2.9</b>   | 0.25                     | 0.29      | 189       | 5.8                      | 15.8      | <b>14.6</b>              | 1.16   | 1.50  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C75             |
| Hodgkin lymphoma             | 21        | 0.6       | 1.8                      | <b>1.8</b>   | 0.13                     | 0.17      | 22        | 0.7                      | 1.8       | <b>1.7</b>               | 0.12   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 137       | 3.6       | 12.1                     | <b>12.7</b>  | 0.84                     | 1.33      | 111       | 3.4                      | 9.3       | <b>8.6</b>               | 0.59   | 0.91  | C82-85,C96      |
| Immunoproliferative diseases | 5         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.09      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 74        | 2.0       | 6.5                      | <b>7.7</b>   | 0.44                     | 1.01      | 77        | 2.4                      | 6.4       | <b>5.7</b>               | 0.36   | 0.61  | C90             |
| Lymphoid leukaemia           | 28        | 0.7       | 2.5                      | <b>2.8</b>   | 0.13                     | 0.28      | 30        | 0.9                      | 2.5       | <b>2.4</b>               | 0.11   | 0.22  | C91             |
| Myeloid leukaemia            | 39        | 1.0       | 3.4                      | <b>4.0</b>   | 0.26                     | 0.43      | 42        | 1.3                      | 3.5       | <b>3.2</b>               | 0.22   | 0.33  | C92-94          |
| Leukaemia unspecified        | 2         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.04      | 3         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 10        | 0.3       | 0.9                      | <b>1.0</b>   | 0.06                     | 0.11      | 17        | 0.5                      | 1.4       | <b>1.3</b>               | 0.07   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 9         | 0.2       | 0.8                      | <b>0.9</b>   | 0.05                     | 0.11      | 17        | 0.5                      | 1.4       | <b>1.1</b>               | 0.06   | 0.13  | MDS             |
| Other and unspecified        | 92        | 2.4       | 8.1                      | <b>9.8</b>   | 0.50                     | 1.23      | 96        | 3.0                      | 8.0       | <b>6.9</b>               | 0.27   | 0.84  | O&U             |
| All sites                    | 3802      |           | 334.6                    | <b>402.2</b> | 23.06                    | 50.68     | 3250      |                          | 271.6     | <b>248.1</b>             | 15.80  | 28.53 | C00-96          |
| All sites except C44         | 3793      | 100.0     | 333.8                    | <b>401.4</b> | 23.01                    | 50.60     | 3235      | 100.0                    | 270.3     | <b>246.9</b>             | 15.70  | 28.40 | C00-96 exc. C44 |

## USA, Massachusetts: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 106       | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.05      | 44        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 739       | 0.9       | 5.4                      | <b>3.7</b>   | 0.27                     | 0.45      | 326       | 0.4                      | 2.2       | <b>1.3</b>               | 0.09   | 0.15  | C01-02          |
| Mouth                        | 424       | 0.5       | 3.1                      | <b>2.1</b>   | 0.13                     | 0.27      | 314       | 0.4                      | 2.1       | <b>1.1</b>               | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 203       | 0.2       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.10      | 181       | 0.2                      | 1.2       | <b>0.8</b>               | 0.05   | 0.08  | C07-08          |
| Tonsil                       | 456       | 0.6       | 3.3                      | <b>2.4</b>   | 0.20                     | 0.28      | 118       | 0.1                      | 0.8       | <b>0.5</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 102       | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 44        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 105       | 0.1       | 0.8                      | <b>0.5</b>   | 0.04                     | 0.06      | 48        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 208       | 0.3       | 1.5                      | <b>1.0</b>   | 0.06                     | 0.13      | 56        | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 49        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.03      | 9         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 1676      | 2.0       | 12.2                     | <b>7.8</b>   | 0.45                     | 0.97      | 459       | 0.6                      | 3.1       | <b>1.5</b>               | 0.06   | 0.19  | C15             |
| Stomach                      | 1405      | 1.7       | 10.3                     | <b>6.0</b>   | 0.27                     | 0.68      | 882       | 1.1                      | 6.0       | <b>2.6</b>               | 0.11   | 0.28  | C16             |
| Small intestine              | 341       | 0.4       | 2.5                      | <b>1.6</b>   | 0.10                     | 0.18      | 290       | 0.4                      | 2.0       | <b>1.1</b>               | 0.06   | 0.13  | C17             |
| Colon                        | 5696      | 6.9       | 41.6                     | <b>24.6</b>  | 1.11                     | 2.82      | 6334      | 7.7                      | 43.4      | <b>18.8</b>              | 0.84   | 2.08  | C18             |
| Rectum                       | 2600      | 3.2       | 19.0                     | <b>12.1</b>  | 0.71                     | 1.46      | 2031      | 2.5                      | 13.9      | <b>7.2</b>               | 0.42   | 0.85  | C19-20          |
| Anus                         | 186       | 0.2       | 1.4                      | <b>0.9</b>   | 0.06                     | 0.10      | 294       | 0.4                      | 2.0       | <b>1.2</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 1401      | 1.7       | 10.2                     | <b>6.7</b>   | 0.43                     | 0.81      | 532       | 0.6                      | 3.6       | <b>1.9</b>               | 0.10   | 0.21  | C22             |
| Gallbladder etc.             | 432       | 0.5       | 3.2                      | <b>1.8</b>   | 0.08                     | 0.21      | 529       | 0.6                      | 3.6       | <b>1.5</b>               | 0.07   | 0.17  | C23-24          |
| Pancreas                     | 1961      | 2.4       | 14.3                     | <b>8.7</b>   | 0.42                     | 1.04      | 2117      | 2.6                      | 14.5      | <b>6.6</b>               | 0.29   | 0.77  | C25             |
| Nose, sinuses etc.           | 113       | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.06      | 80        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 1001      | 1.2       | 7.3                      | <b>4.8</b>   | 0.27                     | 0.62      | 287       | 0.4                      | 2.0       | <b>1.2</b>               | 0.07   | 0.16  | C32             |
| Trachea, bronchus and lung   | 11614     | 14.1      | 84.8                     | <b>51.8</b>  | 2.26                     | 6.53      | 11927     | 14.6                     | 81.6      | <b>42.8</b>              | 2.16   | 5.57  | C33-34          |
| Other thoracic organs        | 94        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.05      | 68        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 161       | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.09      | 156       | 0.2                      | 1.1       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 3835      | 4.7       | 28.0                     | <b>18.5</b>  | 1.12                     | 2.10      | 3202      | 3.9                      | 21.9      | <b>14.3</b>              | 1.03   | 1.46  | C43             |
| Other skin                   | 327       | 0.4       | 2.4                      | <b>1.5</b>   | 0.07                     | 0.16      | 282       | 0.3                      | 1.9       | <b>1.0</b>               | 0.06   | 0.10  | C44             |
| Mesothelioma                 | 371       | 0.4       | 2.7                      | <b>1.5</b>   | 0.06                     | 0.17      | 97        | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 100       | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.04      | 23        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 534       | 0.6       | 3.9                      | <b>2.8</b>   | 0.16                     | 0.28      | 433       | 0.5                      | 3.0       | <b>2.1</b>               | 0.12   | 0.18  | C47+C49         |
| Breast                       | 194       | 0.2       | 1.4                      | <b>0.9</b>   | 0.04                     | 0.11      | 23046     | 28.1                     | 157.8     | <b>95.2</b>              | 6.79   | 10.95 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 520       | 0.6                      | 3.6       | <b>1.8</b>               | 0.10   | 0.20  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 103       | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 911       | 1.1                      | 6.2       | <b>4.6</b>               | 0.35   | 0.44  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 5133      | 6.3                      | 35.1      | <b>21.9</b>              | 1.64   | 2.67  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 102       | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 2428      | 3.0                      | 16.6      | <b>9.7</b>               | 0.64   | 1.11  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 158       | 0.2                      | 1.1       | <b>0.6</b>               | 0.04   | 0.09  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 9         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 140       | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 22697     | 27.5      | 165.7                    | <b>111.1</b> | 6.26                     | 15.15     |           |                          |           |                          |        |       | C61             |
| Testis                       | 956       | 1.2       | 7.0                      | <b>6.3</b>   | 0.48                     | 0.50      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 33        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2941      | 3.6       | 21.5                     | <b>14.2</b>  | 0.88                     | 1.66      | 1810      | 2.2                      | 12.4      | <b>7.2</b>               | 0.43   | 0.85  | C64             |
| Renal pelvis                 | 127       | 0.2       | 0.9                      | <b>0.5</b>   | 0.02                     | 0.06      | 104       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 108       | 0.1       | 0.8                      | <b>0.5</b>   | 0.01                     | 0.06      | 68        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 6461      | 7.8       | 47.2                     | <b>27.5</b>  | 1.13                     | 3.27      | 2498      | 3.1                      | 17.1      | <b>8.2</b>               | 0.38   | 1.02  | C67             |
| Other urinary organs         | 93        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.04      | 28        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 174       | 0.2       | 1.3                      | <b>0.9</b>   | 0.05                     | 0.10      | 163       | 0.2                      | 1.1       | <b>0.8</b>               | 0.05   | 0.09  | C69             |
| Brain, nervous system        | 1287      | 1.6       | 9.4                      | <b>7.3</b>   | 0.45                     | 0.70      | 1085      | 1.3                      | 7.4       | <b>5.7</b>               | 0.34   | 0.52  | C70-72          |
| Thyroid                      | 1107      | 1.3       | 8.1                      | <b>6.0</b>   | 0.43                     | 0.63      | 3481      | 4.3                      | 23.8      | <b>18.6</b>              | 1.45   | 1.79  | C73             |
| Adrenal gland                | 65        | 0.1       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.04      | 60        | 0.1                      | 0.4       | <b>0.5</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 23        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 19        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 574       | 0.7       | 4.2                      | <b>3.8</b>   | 0.26                     | 0.30      | 458       | 0.6                      | 3.1       | <b>2.9</b>               | 0.20   | 0.22  | C81             |
| Non-Hodgkin lymphoma         | 3423      | 4.2       | 25.0                     | <b>16.2</b>  | 0.91                     | 1.75      | 3154      | 3.9                      | 21.6      | <b>11.3</b>              | 0.64   | 1.26  | C82-85,C96      |
| Immunoproliferative diseases | 146       | 0.2       | 1.1                      | <b>0.6</b>   | 0.03                     | 0.08      | 88        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C88             |
| Multiple myeloma             | 962       | 1.2       | 7.0                      | <b>4.3</b>   | 0.21                     | 0.51      | 746       | 0.9                      | 5.1       | <b>2.4</b>               | 0.12   | 0.29  | C90             |
| Lymphoid leukaemia           | 1137      | 1.4       | 8.3                      | <b>6.3</b>   | 0.34                     | 0.61      | 820       | 1.0                      | 5.6       | <b>3.9</b>               | 0.19   | 0.35  | C91             |
| Myeloid leukaemia            | 959       | 1.2       | 7.0                      | <b>4.5</b>   | 0.23                     | 0.47      | 809       | 1.0                      | 5.5       | <b>3.3</b>               | 0.19   | 0.33  | C92-94          |
| Leukaemia unspecified        | 89        | 0.1       | 0.6                      | <b>0.3</b>   | 0.00                     | 0.02      | 87        | 0.1                      | 0.6       | <b>0.2</b>               | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 357       | 0.4       | 2.6                      | <b>1.6</b>   | 0.08                     | 0.17      | 392       | 0.5                      | 2.7       | <b>1.3</b>               | 0.06   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 744       | 0.9       | 5.4                      | <b>2.9</b>   | 0.07                     | 0.30      | 570       | 0.7                      | 3.9       | <b>1.6</b>               | 0.06   | 0.18  | MDS             |
| Other and unspecified        | 1752      | 2.1       | 12.8                     | <b>7.3</b>   | 0.31                     | 0.80      | 2169      | 2.6                      | 14.8      | <b>6.3</b>               | 0.27   | 0.71  | O&U             |
| All sites                    | 82789     |           | 604.4                    | <b>390.5</b> | 20.85                    | 47.24     | 82182     |                          | 562.5     | <b>319.6</b>             | 19.97  | 36.47 | C00-96          |
| All sites except C44         | 82462     | 100.0     | 602.1                    | <b>389.0</b> | 20.77                    | 47.08     | 81900     | 100.0                    | 560.6     | <b>318.6</b>             | 19.91  | 36.37 | C00-96 exc. C44 |

# USA, Michigan

## REGISTRATION AREA

The Michigan Cancer Surveillance Program covers the population of the state of Michigan in the USA. The state's population is approximately 78% White, 13% Black, 3% Asian, and 1% Native American. About 5% of the population is Hispanic.

## CANCER CARE FACILITIES

Diagnostic and treatment services for cancer are widely available throughout Michigan. Radiotherapy services are widespread and generally readily available in population centres, with some access issues in rural areas.

## REGISTRY STRUCTURE AND METHODS

The registry is located within the Michigan Department of Community Health and has 11 full-time equivalent positions. The registry is funded in part by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR). Data collection is passive, with routine auditing of reporting by health facilities using certified tumour registrars (CTRs). About 85% of all case reports are submitted electronically. Most reports are received from hospitals and regional cancer registries, with additional reporting by pathology laboratories, clinics, physicians, and dentists. Resident case exchange agreements are in place with 21 other states. The registry is located within the Michigan Vital Records Office, providing ready access to death information. Reporting is required by law. Case information is confidential and protected by law. Improper use or release of the information is a crime. Registry quality, completeness, and timeliness are monitored through ongoing auditing of reporting facilities, with independent assessments of quality conducted annually by the North American Association of Central Cancer Registries (NAACCR) and periodic review conducted on behalf of CDC. The registry has achieved NAACCR Gold Certification since 1999.

## INTERPRETING THE RESULTS

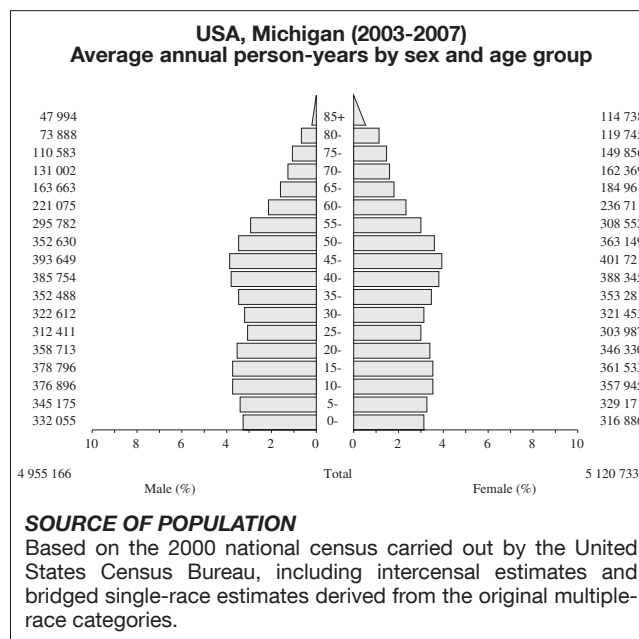
Breast and cervical cancer screening programmes for uninsured residents are in place throughout the state. Screening prevalence for breast and cervical cancers is reasonably high by United States standards, and prostate-specific antigen (PSA) testing is common in the population.

## USE OF THE DATA

Registry data are used for reporting incidence, extent of disease, and survival. Data are also used in research and for the planning and evaluation of health services.

## CONTRIBUTORS

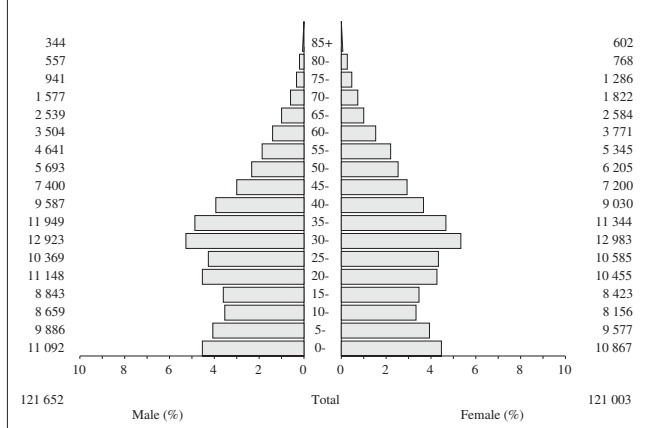
Glenn Copeland  
 Won Silva  
 Georgia Spivak



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 118.5 | Breast                     | 86.3  |
| Trachea, bronchus and lung | 56.7  | Trachea, bronchus and lung | 40.8  |
| Bladder                    | 23.9  | Corpus uteri               | 19.6  |
| Colon                      | 23.4  | Colon                      | 19.1  |
| Non-Hodgkin lymphoma       | 16.8  | Non-Hodgkin lymphoma       | 12.6  |
| Melanoma of skin           | 14.2  | Melanoma of skin           | 11.8  |
| Kidney                     | 13.1  | Thyroid                    | 11.5  |
| Rectum                     | 10.9  | Ovary                      | 9.4   |
| Pancreas                   | 9.0   | Kidney                     | 7.5   |
| Other and unspecified      | 7.4   | Rectum                     | 6.8   |
| All sites                  | 387.1 | All sites                  | 300.5 |

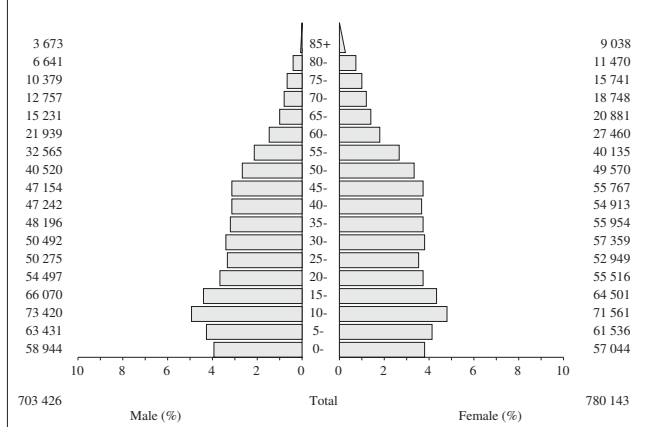
**USA, Michigan: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, MICHIGAN: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 31.8         | Breast                     | 37.9         |
| Trachea, bronchus and lung | 15.3         | Trachea, bronchus and lung | 14.5         |
| Colon                      | 12.9         | Colon                      | 9.5          |
| Liver                      | 9.9          | Thyroid                    | 8.7          |
| Stomach                    | 7.9          | Corpus uteri               | 6.1          |
| Rectum                     | 7.4          | Non-Hodgkin lymphoma       | 6.0          |
| Non-Hodgkin lymphoma       | 6.3          | Ovary                      | 5.2          |
| Bladder                    | 4.9          | Liver                      | 5.0          |
| Kidney                     | 3.7          | Pancreas                   | 4.3          |
| Thyroid                    | 3.1          | Cervix uteri               | 3.7          |
| <b>All sites</b>           | <b>136.6</b> | <b>All sites</b>           | <b>135.5</b> |

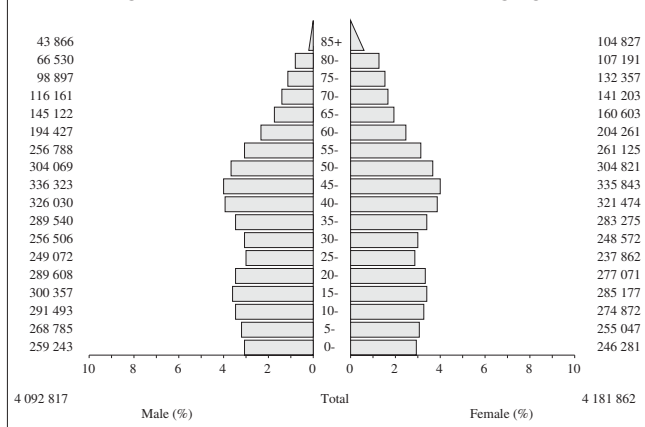
**USA, Michigan: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, MICHIGAN: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 178.7        | Breast                     | 84.8         |
| Trachea, bronchus and lung | 78.7         | Trachea, bronchus and lung | 46.9         |
| Colon                      | 34.1         | Colon                      | 25.7         |
| Kidney                     | 16.5         | Corpus uteri               | 16.2         |
| Non-Hodgkin lymphoma       | 14.0         | Non-Hodgkin lymphoma       | 10.9         |
| Bladder                    | 13.4         | Pancreas                   | 10.1         |
| Pancreas                   | 12.8         | Kidney                     | 8.7          |
| Rectum                     | 12.0         | Cervix uteri               | 8.7          |
| Liver                      | 12.0         | Ovary                      | 8.0          |
| Stomach                    | 10.6         | Rectum                     | 7.9          |
| <b>All sites</b>           | <b>477.6</b> | <b>All sites</b>           | <b>306.5</b> |

**USA, Michigan: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, MICHIGAN: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 104.8        | Breast                     | 86.0         |
| Trachea, bronchus and lung | 54.5         | Trachea, bronchus and lung | 40.2         |
| Bladder                    | 24.7         | Corpus uteri               | 20.0         |
| Colon                      | 22.0         | Colon                      | 18.0         |
| Non-Hodgkin lymphoma       | 16.9         | Melanoma of skin           | 13.1         |
| Melanoma of skin           | 15.3         | Non-Hodgkin lymphoma       | 12.6         |
| Kidney                     | 12.5         | Thyroid                    | 12.0         |
| Rectum                     | 10.7         | Ovary                      | 9.6          |
| Pancreas                   | 8.6          | Kidney                     | 7.3          |
| Other and unspecified      | 7.1          | Other and unspecified      | 6.6          |
| <b>All sites</b>           | <b>368.1</b> | <b>All sites</b>           | <b>297.4</b> |

## USA, Michigan (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 213        | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                | 0.06                | 68         | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01                | C00             |
| Tongue                       | 1129       | 0.8       | 4.6                      | <b>3.3</b>   | 0.25                | 0.40                | 475        | 0.4       | 1.9                      | <b>1.2</b>   | 0.08                | 0.13                | C01-02          |
| Mouth                        | 793        | 0.6       | 3.2                      | <b>2.3</b>   | 0.16                | 0.28                | 531        | 0.4       | 2.1                      | <b>1.2</b>   | 0.08                | 0.14                | C03-06          |
| Salivary glands              | 351        | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                | 0.11                | 294        | 0.2       | 1.1                      | <b>0.8</b>   | 0.06                | 0.08                | C07-08          |
| Tonsil                       | 665        | 0.5       | 2.7                      | <b>2.0</b>   | 0.17                | 0.23                | 178        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | C09             |
| Other oropharynx             | 183        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                | 0.07                | 66         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 159        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                | 0.06                | 75         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 329        | 0.2       | 1.3                      | <b>1.0</b>   | 0.06                | 0.12                | 87         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | C12-13          |
| Pharynx unspecified          | 95         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | 54         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C14             |
| Oesophagus                   | 2310       | 1.7       | 9.3                      | <b>6.5</b>   | 0.35                | 0.82                | 690        | 0.6       | 2.7                      | <b>1.5</b>   | 0.07                | 0.18                | C15             |
| Stomach                      | 2231       | 1.6       | 9.0                      | <b>6.0</b>   | 0.30                | 0.71                | 1362       | 1.1       | 5.3                      | <b>2.8</b>   | 0.13                | 0.30                | C16             |
| Small intestine              | 583        | 0.4       | 2.4                      | <b>1.7</b>   | 0.09                | 0.20                | 554        | 0.4       | 2.2                      | <b>1.3</b>   | 0.08                | 0.15                | C17             |
| Colon                        | 8823       | 6.4       | 35.6                     | <b>23.4</b>  | 1.07                | 2.70                | 9590       | 7.8       | 37.5                     | <b>19.1</b>  | 0.89                | 2.18                | C18             |
| Rectum                       | 3891       | 2.8       | 15.7                     | <b>10.9</b>  | 0.62                | 1.31                | 3002       | 2.4       | 11.7                     | <b>6.8</b>   | 0.41                | 0.78                | C19-20          |
| Anus                         | 265        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.08                | 507        | 0.4       | 2.0                      | <b>1.3</b>   | 0.09                | 0.15                | C21             |
| Liver                        | 2098       | 1.5       | 8.5                      | <b>5.9</b>   | 0.40                | 0.68                | 967        | 0.8       | 3.8                      | <b>2.1</b>   | 0.11                | 0.24                | C22             |
| Gallbladder etc.             | 642        | 0.5       | 2.6                      | <b>1.7</b>   | 0.08                | 0.19                | 821        | 0.7       | 3.2                      | <b>1.6</b>   | 0.07                | 0.19                | C23-24          |
| Pancreas                     | 3346       | 2.4       | 13.5                     | <b>9.0</b>   | 0.46                | 1.08                | 3262       | 2.6       | 12.7                     | <b>6.6</b>   | 0.30                | 0.77                | C25             |
| Nose, sinuses etc.           | 200        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.07                | 151        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 1815       | 1.3       | 7.3                      | <b>5.2</b>   | 0.32                | 0.66                | 488        | 0.4       | 1.9                      | <b>1.2</b>   | 0.09                | 0.15                | C32             |
| Trachea, bronchus and lung   | 20892      | 15.3      | 84.3                     | <b>56.7</b>  | 2.52                | 7.14                | 17953      | 14.5      | 70.1                     | <b>40.8</b>  | 2.04                | 5.30                | C33-34          |
| Other thoracic organs        | 158        | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                | 0.05                | 115        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 307        | 0.2       | 1.2                      | <b>1.0</b>   | 0.06                | 0.09                | 261        | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                | 0.07                | C40-41          |
| Melanoma of skin             | 4873       | 3.6       | 19.7                     | <b>14.2</b>  | 0.87                | 1.56                | 4115       | 3.3       | 16.1                     | <b>11.8</b>  | 0.87                | 1.16                | C43             |
| Other skin                   | 425        | 0.3       | 1.7                      | <b>1.2</b>   | 0.06                | 0.12                | 465        | 0.3       | 1.8                      | <b>1.2</b>   | 0.08                | 0.12                | C44             |
| Mesothelioma                 | 432        | 0.3       | 1.7                      | <b>1.1</b>   | 0.04                | 0.13                | 145        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | C45             |
| Kaposi sarcoma               | 104        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | 21         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.01                | C46             |
| Connective and soft tissue   | 1015       | 0.7       | 4.1                      | <b>3.1</b>   | 0.17                | 0.31                | 806        | 0.7       | 3.1                      | <b>2.3</b>   | 0.14                | 0.22                | C47+C49         |
| Breast                       | 351        | 0.3       | 1.4                      | <b>1.0</b>   | 0.06                | 0.11                | 33918      | 27.5      | 132.5                    | <b>86.3</b>  | 6.09                | 9.92                | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 772        | 0.6       | 3.0                      | <b>1.7</b>   | 0.11                | 0.18                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 224        | 0.2       | 0.9                      | <b>0.5</b>   | 0.02                | 0.06                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 1961       | 1.6       | 7.7                      | <b>6.1</b>   | 0.47                | 0.59                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 7597       | 6.2       | 29.7                     | <b>19.6</b>  | 1.42                | 2.41                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 299        | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.07                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 3801       | 3.1       | 14.8                     | <b>9.4</b>   | 0.61                | 1.06                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 164        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 24         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 177        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.05                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 41433      | 30.3      | 167.2                    | <b>118.5</b> | 6.19                | 15.90               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 1411       | 1.0       | 5.7                      | <b>5.4</b>   | 0.40                | 0.41                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 54         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 4507       | 3.3       | 18.2                     | <b>13.1</b>  | 0.81                | 1.58                | 3009       | 2.4       | 11.8                     | <b>7.5</b>   | 0.47                | 0.88                | C64             |
| Renal pelvis                 | 235        | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                | 0.07                | 160        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C65             |
| Ureter                       | 164        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | 124        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 9189       | 6.7       | 37.1                     | <b>23.9</b>  | 0.97                | 2.76                | 3118       | 2.5       | 12.2                     | <b>6.4</b>   | 0.31                | 0.76                | C67             |
| Other urinary organs         | 143        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.04                | 59         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C68             |
| Eye                          | 209        | 0.2       | 0.8                      | <b>0.7</b>   | 0.04                | 0.07                | 181        | 0.1       | 0.7                      | <b>0.6</b>   | 0.03                | 0.06                | C69             |
| Brain, nervous system        | 1982       | 1.4       | 8.0                      | <b>6.6</b>   | 0.41                | 0.64                | 1684       | 1.4       | 6.6                      | <b>5.1</b>   | 0.31                | 0.48                | C70-72          |
| Thyroid                      | 1202       | 0.9       | 4.9                      | <b>3.7</b>   | 0.27                | 0.41                | 3650       | 3.0       | 14.3                     | <b>11.5</b>  | 0.89                | 1.10                | C73             |
| Adrenal gland                | 77         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03                | 89         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 43         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 34         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 824        | 0.6       | 3.3                      | <b>3.0</b>   | 0.21                | 0.25                | 746        | 0.6       | 2.9                      | <b>2.7</b>   | 0.17                | 0.22                | C81             |
| Non-Hodgkin lymphoma         | 5908       | 4.3       | 23.8                     | <b>16.8</b>  | 0.92                | 1.85                | 5411       | 4.4       | 21.1                     | <b>12.6</b>  | 0.72                | 1.43                | C82-85,C96      |
| Immunoproliferative diseases | 121        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 65         | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 1815       | 1.3       | 7.3                      | <b>4.8</b>   | 0.23                | 0.58                | 1436       | 1.2       | 5.6                      | <b>3.1</b>   | 0.15                | 0.37                | C90             |
| Lymphoid leukaemia           | 2080       | 1.5       | 8.4                      | <b>6.5</b>   | 0.32                | 0.66                | 1442       | 1.2       | 5.6                      | <b>3.8</b>   | 0.19                | 0.36                | C91             |
| Myeloid leukaemia            | 1803       | 1.3       | 7.3                      | <b>5.2</b>   | 0.26                | 0.53                | 1447       | 1.2       | 5.7                      | <b>3.5</b>   | 0.20                | 0.36                | C92-94          |
| Leukaemia unspecified        | 180        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.04                | 173        | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 819        | 0.6       | 3.3                      | <b>2.3</b>   | 0.13                | 0.24                | 788        | 0.6       | 3.1                      | <b>1.8</b>   | 0.09                | 0.19                | MPD             |
| Myelodysplastic syndromes    | 1436       | 1.0       | 5.8                      | <b>3.4</b>   | 0.09                | 0.34                | 1180       | 1.0       | 4.6                      | <b>2.1</b>   | 0.07                | 0.21                | MDS             |
| Other and unspecified        | 2742       | 2.0       | 11.1                     | <b>7.4</b>   | 0.36                | 0.82                | 3309       | 2.7       | 12.9                     | <b>6.7</b>   | 0.32                | 0.75                | O&U             |
| All sites                    | 137232     |           | 553.9                    | <b>387.1</b> | 20.15               | 46.75               | 123968     |           | 484.2                    | <b>300.5</b> | 18.60               | 34.25               | C00-96          |
| All sites except C44         | 136807     | 100.0     | 552.2                    | <b>385.9</b> | 20.09               | 46.62               | 123503     | 100.0     | 482.4                    | <b>299.2</b> | 18.52               | 34.13               | C00-96 exc. C44 |

§Includes 11 cases of unknown age

§Includes 6 cases of unknown age

## USA, Michigan: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 4         | 0.6       | 0.7                      | <b>0.8</b>   | 0.06                     | 0.12      | 6         | 0.8                      | 1.0       | <b>1.1</b>               | 0.06   | 0.14  | C01-02          |
| Mouth                        | 4         | 0.6       | 0.7                      | <b>1.0</b>   | 0.06                     | 0.18      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.00  | C03-06          |
| Salivary glands              | 4         | 0.6       | 0.7                      | <b>0.7</b>   | 0.02                     | 0.10      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C07-08          |
| Tonsil                       | 4         | 0.6       | 0.7                      | <b>0.6</b>   | 0.06                     | 0.06      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 6         | 0.9       | 1.0                      | <b>1.2</b>   | 0.05                     | 0.19      | 4         | 0.5                      | 0.7       | <b>0.6</b>               | 0.06   | 0.06  | C11             |
| Hypopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.05  | C14             |
| Oesophagus                   | 7         | 1.0       | 1.2                      | <b>1.4</b>   | 0.04                     | 0.07      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C15             |
| Stomach                      | 38        | 5.7       | 6.2                      | <b>7.9</b>   | 0.36                     | 0.67      | 20        | 2.5                      | 3.3       | <b>3.5</b>               | 0.20   | 0.36  | C16             |
| Small intestine              | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.04  | C17             |
| Colon                        | 60        | 8.9       | 9.9                      | <b>12.9</b>  | 0.46                     | 1.67      | 53        | 6.6                      | 8.8       | <b>9.5</b>               | 0.48   | 1.24  | C18             |
| Rectum                       | 37        | 5.5       | 6.1                      | <b>7.4</b>   | 0.38                     | 0.77      | 17        | 2.1                      | 2.8       | <b>2.9</b>               | 0.13   | 0.32  | C19-20          |
| Anus                         | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C21             |
| Liver                        | 51        | 7.6       | 8.4                      | <b>9.9</b>   | 0.59                     | 1.25      | 29        | 3.6                      | 4.8       | <b>5.0</b>               | 0.27   | 0.59  | C22             |
| Gallbladder etc.             | 9         | 1.3       | 1.5                      | <b>1.7</b>   | 0.12                     | 0.12      | 11        | 1.4                      | 1.8       | <b>1.9</b>               | 0.13   | 0.24  | C23-24          |
| Pancreas                     | 15        | 2.2       | 2.5                      | <b>3.0</b>   | 0.07                     | 0.28      | 24        | 3.0                      | 4.0       | <b>4.3</b>               | 0.21   | 0.45  | C25             |
| Nose, sinuses etc.           | 3         | 0.4       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C30-31          |
| Larynx                       | 3         | 0.4       | 0.5                      | <b>0.6</b>   | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C32             |
| Trachea, bronchus and lung   | 73        | 10.9      | 12.0                     | <b>15.3</b>  | 0.71                     | 1.95      | 79        | 9.9                      | 13.1      | <b>14.5</b>              | 0.62   | 1.91  | C33-34          |
| Other thoracic organs        | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C37-38          |
| Bone                         | 2         | 0.3       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 2         | 0.3                      | 0.3       | <b>0.4</b>               | 0.01   | 0.07  | C40-41          |
| Melanoma of skin             | 6         | 0.9       | 1.0                      | <b>1.0</b>   | 0.08                     | 0.14      | 5         | 0.6                      | 0.8       | <b>0.9</b>               | 0.04   | 0.09  | C43             |
| Other skin                   | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.05  | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.3                      | 0.3       | <b>0.4</b>               | 0.02   | 0.07  | C45             |
| Kaposi sarcoma               | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 7         | 1.0       | 1.2                      | <b>1.3</b>   | 0.08                     | 0.16      | 5         | 0.6                      | 0.8       | <b>0.7</b>               | 0.06   | 0.06  | C47+C49         |
| Breast                       | 4         | 0.6       | 0.7                      | <b>0.8</b>   | 0.06                     | 0.12      | 224       | 28.1                     | 37.0      | <b>37.9</b>              | 2.82   | 4.37  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 2         | 0.3                      | 0.3       | <b>0.4</b>               | 0.04   | 0.04  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 23        | 2.9                      | 3.8       | <b>3.7</b>               | 0.35   | 0.39  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 35        | 4.4                      | 5.8       | <b>6.1</b>               | 0.49   | 0.77  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 3         | 0.4                      | 0.5       | <b>0.6</b>               | 0.03   | 0.07  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 34        | 4.3                      | 5.6       | <b>5.2</b>               | 0.39   | 0.56  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 2         | 0.3                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C58             |
| Penis                        | 2         | 0.3       | 0.3                      | <b>0.5</b>   | 0.03                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 146       | 21.7      | 24.0                     | <b>31.8</b>  | 1.49                     | 4.09      |           |                          |           |                          |        |       | C61             |
| Testis                       | 3         | 0.4       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 19        | 2.8       | 3.1                      | <b>3.7</b>   | 0.24                     | 0.51      | 15        | 1.9                      | 2.5       | <b>2.7</b>               | 0.15   | 0.30  | C64             |
| Renal pelvis                 | 2         | 0.3       | 0.3                      | <b>0.5</b>   | 0.03                     | 0.09      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.05  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 25        | 3.7       | 4.1                      | <b>4.9</b>   | 0.20                     | 0.50      | 8         | 1.0                      | 1.3       | <b>1.2</b>               | 0.06   | 0.06  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.02   | 0.02  | C68             |
| Eye                          | 1         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 13        | 1.9       | 2.1                      | <b>2.4</b>   | 0.11                     | 0.25      | 10        | 1.3                      | 1.7       | <b>1.5</b>               | 0.10   | 0.10  | C70-72          |
| Thyroid                      | 16        | 2.4       | 2.6                      | <b>3.1</b>   | 0.16                     | 0.34      | 58        | 7.3                      | 9.6       | <b>8.7</b>               | 0.61   | 0.91  | C73             |
| Adrenal gland                | 2         | 0.3       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 6         | 0.9       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.07      | 5         | 0.6                      | 0.8       | <b>0.7</b>               | 0.05   | 0.05  | C81             |
| Non-Hodgkin lymphoma         | 30        | 4.5       | 4.9                      | <b>6.3</b>   | 0.30                     | 0.67      | 35        | 4.4                      | 5.8       | <b>6.0</b>               | 0.30   | 0.65  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 1         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 9         | 1.3       | 1.5                      | <b>2.2</b>   | 0.00                     | 0.04      | 6         | 0.8                      | 1.0       | <b>0.9</b>               | 0.06   | 0.06  | C90             |
| Lymphoid leukaemia           | 16        | 2.4       | 2.6                      | <b>2.9</b>   | 0.17                     | 0.21      | 12        | 1.5                      | 2.0       | <b>2.1</b>               | 0.11   | 0.20  | C91             |
| Myeloid leukaemia            | 13        | 1.9       | 2.1                      | <b>2.2</b>   | 0.10                     | 0.14      | 17        | 2.1                      | 2.8       | <b>3.0</b>               | 0.17   | 0.40  | C92-94          |
| Leukaemia unspecified        | 1         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 2         | 0.3                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C95             |
| Myeloproliferative disorders | 9         | 1.3       | 1.5                      | <b>1.9</b>   | 0.04                     | 0.18      | 10        | 1.3                      | 1.7       | <b>1.6</b>               | 0.10   | 0.20  | MPD             |
| Myelodysplastic syndromes    | 2         | 0.3       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 7         | 0.9                      | 1.2       | <b>1.2</b>               | 0.05   | 0.09  | MDS             |
| Other and unspecified        | 14        | 2.1       | 2.3                      | <b>2.7</b>   | 0.08                     | 0.27      | 20        | 2.5                      | 3.3       | <b>3.2</b>               | 0.15   | 0.25  | O&U             |
| All sites                    | 672       |           | 110.5                    | <b>136.6</b> | 6.49                     | 15.58     | 799       |                          | 132.1     | <b>135.5</b>             | 8.48   | 15.46 | C00-96          |
| All sites except C44         | 672       | 100.0     | 110.5                    | <b>136.6</b> | 6.49                     | 15.58     | 798       | 100.0                    | 131.9     | <b>135.3</b>             | 8.48   | 15.41 | C00-96 exc. C44 |

## USA, Michigan: Black (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.02      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 123        | 0.7       | 3.5                      | <b>3.7</b>   | 0.25                     | 0.49      | 53        | 0.4                      | 1.4       | <b>1.1</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 108        | 0.6       | 3.1                      | <b>2.9</b>   | 0.22                     | 0.35      | 56        | 0.4                      | 1.4       | <b>1.2</b>               | 0.09   | 0.13  | C03-06          |
| Salivary glands              | 25         | 0.1       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.09      | 39        | 0.3                      | 1.0       | <b>0.8</b>               | 0.06   | 0.09  | C07-08          |
| Tonsil                       | 73         | 0.4       | 2.1                      | <b>2.1</b>   | 0.15                     | 0.25      | 30        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 38         | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                     | 0.10      | 15        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C10             |
| Nasopharynx                  | 31         | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.09      | 11        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 67         | 0.4       | 1.9                      | <b>1.9</b>   | 0.15                     | 0.22      | 26        | 0.2                      | 0.7       | <b>0.6</b>               | 0.05   | 0.08  | C12-13          |
| Pharynx unspecified          | 16         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.07      | 13        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.04  | C14             |
| Oesophagus                   | 240        | 1.4       | 6.8                      | <b>6.9</b>   | 0.41                     | 0.88      | 109       | 0.7                      | 2.8       | <b>2.2</b>               | 0.13   | 0.27  | C15             |
| Stomach                      | 393        | 2.3       | 11.2                     | <b>10.6</b>  | 0.51                     | 1.16      | 291       | 2.0                      | 7.5       | <b>5.2</b>               | 0.25   | 0.54  | C16             |
| Small intestine              | 119        | 0.7       | 3.4                      | <b>3.4</b>   | 0.19                     | 0.44      | 103       | 0.7                      | 2.6       | <b>2.1</b>               | 0.12   | 0.25  | C17             |
| Colon                        | 1239       | 7.4       | 35.2                     | <b>34.1</b>  | 1.74                     | 3.96      | 1333      | 9.0                      | 34.2      | <b>25.7</b>              | 1.44   | 3.06  | C18             |
| Rectum                       | 445        | 2.6       | 12.7                     | <b>12.0</b>  | 0.69                     | 1.41      | 400       | 2.7                      | 10.3      | <b>7.9</b>               | 0.50   | 0.94  | C19-20          |
| Anus                         | 57         | 0.3       | 1.6                      | <b>1.5</b>   | 0.11                     | 0.15      | 64        | 0.4                      | 1.6       | <b>1.4</b>               | 0.09   | 0.17  | C21             |
| Liver                        | 439        | 2.6       | 12.5                     | <b>12.0</b>  | 1.01                     | 1.42      | 175       | 1.2                      | 4.5       | <b>3.4</b>               | 0.22   | 0.39  | C22             |
| Gallbladder etc.             | 65         | 0.4       | 1.8                      | <b>1.7</b>   | 0.11                     | 0.19      | 112       | 0.8                      | 2.9       | <b>2.0</b>               | 0.10   | 0.24  | C23-24          |
| Pancreas                     | 459        | 2.7       | 13.1                     | <b>12.8</b>  | 0.76                     | 1.55      | 528       | 3.5                      | 13.5      | <b>10.1</b>              | 0.52   | 1.19  | C25             |
| Nose, sinuses etc.           | 31         | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.12      | 20        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C30-31          |
| Larynx                       | 304        | 1.8       | 8.6                      | <b>8.9</b>   | 0.53                     | 1.19      | 98        | 0.7                      | 2.5       | <b>2.1</b>               | 0.16   | 0.25  | C32             |
| Trachea, bronchus and lung   | 2793       | 16.6      | 79.4                     | <b>78.7</b>  | 4.16                     | 9.89      | 2307      | 15.5                     | 59.1      | <b>46.9</b>              | 2.61   | 5.86  | C33-34          |
| Other thoracic organs        | 22         | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.06      | 23        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C37-38          |
| Bone                         | 32         | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.07      | 41        | 0.3                      | 1.1       | <b>0.9</b>               | 0.05   | 0.08  | C40-41          |
| Melanoma of skin             | 20         | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.05      | 35        | 0.2                      | 0.9       | <b>0.7</b>               | 0.04   | 0.06  | C43             |
| Other skin                   | 39         | 0.2       | 1.1                      | <b>1.0</b>   | 0.08                     | 0.10      | 68        | 0.5                      | 1.7       | <b>1.5</b>               | 0.12   | 0.14  | C44             |
| Mesothelioma                 | 22         | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.09      | 9         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 39         | 0.2       | 1.1                      | <b>1.0</b>   | 0.08                     | 0.09      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.02  | C46             |
| Connective and soft tissue   | 103        | 0.6       | 2.9                      | <b>2.9</b>   | 0.16                     | 0.29      | 106       | 0.7                      | 2.7       | <b>2.4</b>               | 0.18   | 0.23  | C47+C49         |
| Breast                       | 57         | 0.3       | 1.6                      | <b>1.6</b>   | 0.13                     | 0.19      | 4064      | 27.3                     | 104.2     | <b>84.8</b>              | 6.07   | 9.71  | C50             |
| Vulva                        |            |           |                          |              |                          |           | 68        | 0.5                      | 1.7       | <b>1.5</b>               | 0.11   | 0.16  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 30        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.08  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 392       | 2.6                      | 10.0      | <b>8.7</b>               | 0.68   | 0.88  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 740       | 5.0                      | 19.0      | <b>16.2</b>              | 1.01   | 2.14  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 55        | 0.4                      | 1.4       | <b>1.1</b>               | 0.06   | 0.12  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 383       | 2.6                      | 9.8       | <b>8.0</b>               | 0.48   | 0.92  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 13        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 7         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 21         | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 6113       | 36.3      | 173.8                    | <b>178.7</b> | 10.26                    | 23.99     |           |                          |           |                          |        |       | C61             |
| Testis                       | 40         | 0.2       | 1.1                      | <b>1.1</b>   | 0.08                     | 0.08      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 596        | 3.5       | 16.9                     | <b>16.5</b>  | 1.08                     | 1.97      | 419       | 2.8                      | 10.7      | <b>8.7</b>               | 0.55   | 1.06  | C64             |
| Renal pelvis                 | 19         | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.06      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 9          | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 493        | 2.9       | 14.0                     | <b>13.4</b>  | 0.58                     | 1.52      | 258       | 1.7                      | 6.6       | <b>4.5</b>               | 0.18   | 0.50  | C67             |
| Other urinary organs         | 19         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.05      | 13        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C68             |
| Eye                          | 6          | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 7         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C69             |
| Brain, nervous system        | 147        | 0.9       | 4.2                      | <b>4.2</b>   | 0.25                     | 0.45      | 171       | 1.1                      | 4.4       | <b>4.1</b>               | 0.23   | 0.38  | C70-72          |
| Thyroid                      | 93         | 0.6       | 2.6                      | <b>2.6</b>   | 0.19                     | 0.28      | 348       | 2.3                      | 8.9       | <b>7.7</b>               | 0.58   | 0.80  | C73             |
| Adrenal gland                | 10         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 14        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 7          | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 125        | 0.7       | 3.6                      | <b>3.5</b>   | 0.27                     | 0.29      | 86        | 0.6                      | 2.2       | <b>2.1</b>               | 0.14   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 516        | 3.1       | 14.7                     | <b>14.0</b>  | 0.87                     | 1.52      | 519       | 3.5                      | 13.3      | <b>10.9</b>              | 0.71   | 1.16  | C82-85,C96      |
| Immunoproliferative diseases | 10         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 346        | 2.1       | 9.8                      | <b>9.7</b>   | 0.51                     | 1.11      | 363       | 2.4                      | 9.3       | <b>7.2</b>               | 0.38   | 0.89  | C90             |
| Lymphoid leukaemia           | 173        | 1.0       | 4.9                      | <b>4.9</b>   | 0.26                     | 0.51      | 121       | 0.8                      | 3.1       | <b>2.5</b>               | 0.13   | 0.27  | C91             |
| Myeloid leukaemia            | 175        | 1.0       | 5.0                      | <b>4.8</b>   | 0.25                     | 0.48      | 165       | 1.1                      | 4.2       | <b>3.4</b>               | 0.17   | 0.36  | C92-94          |
| Leukaemia unspecified        | 13         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.02      | 21        | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.02  | C95             |
| Myeloproliferative disorders | 85         | 0.5       | 2.4                      | <b>2.3</b>   | 0.12                     | 0.26      | 105       | 0.7                      | 2.7       | <b>2.2</b>               | 0.11   | 0.23  | MPD             |
| Myelodysplastic syndromes    | 129        | 0.8       | 3.7                      | <b>3.3</b>   | 0.09                     | 0.33      | 132       | 0.9                      | 3.4       | <b>2.3</b>               | 0.08   | 0.25  | MDS             |
| Other and unspecified        | 326        | 1.9       | 9.3                      | <b>9.1</b>   | 0.49                     | 1.07      | 360       | 2.4                      | 9.2       | <b>7.0</b>               | 0.36   | 0.77  | O&U             |
| All sites                    | 16876      |           | 479.8                    | <b>477.6</b> | 27.32                    | 59.14     | 14945     |                          | 383.1     | <b>306.5</b>             | 19.17  | 35.46 | C00-96          |
| All sites except C44         | 16837      | 100.0     | 478.7                    | <b>476.6</b> | 27.25                    | 59.03     | 14877     | 100.0                    | 381.4     | <b>305.0</b>             | 19.06  | 35.32 | C00-96 exc. C44 |

§Includes 1 case of unknown age

## USA, Michigan: White (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 196        | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                     | 0.06       | 62        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 979        | 0.9       | 4.8                      | <b>3.3</b>   | 0.25                     | 0.39       | 404       | 0.4                      | 1.9       | <b>1.2</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 659        | 0.6       | 3.2                      | <b>2.2</b>   | 0.15                     | 0.27       | 459       | 0.4                      | 2.2       | <b>1.2</b>               | 0.07   | 0.13  | C03-06          |
| Salivary glands              | 313        | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.11       | 244       | 0.2                      | 1.2       | <b>0.8</b>               | 0.05   | 0.08  | C07-08          |
| Tonsil                       | 582        | 0.5       | 2.8                      | <b>2.0</b>   | 0.17                     | 0.23       | 144       | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 140        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       | 51        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 120        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05       | 60        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 259        | 0.2       | 1.3                      | <b>0.8</b>   | 0.05                     | 0.11       | 60        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 79         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03       | 38        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 2042       | 1.8       | 10.0                     | <b>6.5</b>   | 0.34                     | 0.82       | 565       | 0.5                      | 2.7       | <b>1.3</b>               | 0.06   | 0.16  | C15             |
| Stomach                      | 1761       | 1.5       | 8.6                      | <b>5.4</b>   | 0.27                     | 0.64       | 1029      | 1.0                      | 4.9       | <b>2.4</b>               | 0.11   | 0.26  | C16             |
| Small intestine              | 460        | 0.4       | 2.2                      | <b>1.5</b>   | 0.08                     | 0.17       | 442       | 0.4                      | 2.1       | <b>1.2</b>               | 0.07   | 0.14  | C17             |
| Colon                        | 7376       | 6.4       | 36.0                     | <b>22.0</b>  | 0.98                     | 2.53       | 8069      | 7.7                      | 38.6      | <b>18.0</b>              | 0.81   | 2.03  | C18             |
| Rectum                       | 3345       | 2.9       | 16.3                     | <b>10.7</b>  | 0.61                     | 1.29       | 2527      | 2.4                      | 12.1      | <b>6.6</b>               | 0.39   | 0.75  | C19-20          |
| Anus                         | 201        | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.07       | 437       | 0.4                      | 2.1       | <b>1.3</b>               | 0.10   | 0.14  | C21             |
| Liver                        | 1558       | 1.4       | 7.6                      | <b>5.0</b>   | 0.30                     | 0.56       | 750       | 0.7                      | 3.6       | <b>1.8</b>               | 0.09   | 0.21  | C22             |
| Gallbladder etc.             | 555        | 0.5       | 2.7                      | <b>1.6</b>   | 0.07                     | 0.18       | 689       | 0.7                      | 3.3       | <b>1.6</b>               | 0.07   | 0.18  | C23-24          |
| Pancreas                     | 2840       | 2.5       | 13.9                     | <b>8.6</b>   | 0.43                     | 1.03       | 2688      | 2.5                      | 12.9      | <b>6.1</b>               | 0.27   | 0.72  | C25             |
| Nose, sinuses etc.           | 165        | 0.1       | 0.8                      | <b>0.5</b>   | 0.04                     | 0.06       | 125       | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 1485       | 1.3       | 7.3                      | <b>4.9</b>   | 0.30                     | 0.61       | 383       | 0.4                      | 1.8       | <b>1.1</b>               | 0.08   | 0.14  | C32             |
| Trachea, bronchus and lung   | 17851      | 15.6      | 87.2                     | <b>54.5</b>  | 2.34                     | 6.86       | 15429     | 14.6                     | 73.8      | <b>40.2</b>              | 1.97   | 5.25  | C33-34          |
| Other thoracic organs        | 130        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05       | 91        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 265        | 0.2       | 1.3                      | <b>1.1</b>   | 0.06                     | 0.09       | 206       | 0.2                      | 1.0       | <b>0.9</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 4569       | 4.0       | 22.3                     | <b>15.3</b>  | 0.95                     | 1.66       | 3802      | 3.6                      | 18.2      | <b>13.1</b>              | 0.96   | 1.28  | C43             |
| Other skin                   | 368        | 0.3       | 1.8                      | <b>1.2</b>   | 0.06                     | 0.12       | 375       | 0.3                      | 1.8       | <b>1.1</b>               | 0.07   | 0.11  | C44             |
| Mesothelioma                 | 404        | 0.4       | 2.0                      | <b>1.1</b>   | 0.04                     | 0.13       | 130       | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 52         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 15        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 878        | 0.8       | 4.3                      | <b>3.1</b>   | 0.17                     | 0.31       | 673       | 0.6                      | 3.2       | <b>2.2</b>               | 0.13   | 0.22  | C47+C49         |
| Breast                       | 284        | 0.2       | 1.4                      | <b>0.9</b>   | 0.05                     | 0.10       | 28985     | 27.5                     | 138.6     | <b>86.0</b>              | 6.06   | 9.89  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 686       | 0.7                      | 3.3       | <b>1.8</b>               | 0.11   | 0.18  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 186       | 0.2                      | 0.9       | <b>0.5</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 1494      | 1.4                      | 7.1       | <b>5.6</b>               | 0.43   | 0.54  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 6649      | 6.3                      | 31.8      | <b>20.0</b>              | 1.48   | 2.44  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 234       | 0.2                      | 1.1       | <b>0.6</b>               | 0.04   | 0.07  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 3340      | 3.2                      | 16.0      | <b>9.6</b>               | 0.63   | 1.08  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 149       | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 14        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 149        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.05       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 32380      | 28.2      | 158.2                    | <b>104.8</b> | 5.34                     | 14.15      |           |                          |           |                          |        |       | C61             |
| Testis                       | 1324       | 1.2       | 6.5                      | <b>6.2</b>   | 0.46                     | 0.47       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 50         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 3771       | 3.3       | 18.4                     | <b>12.5</b>  | 0.76                     | 1.50       | 2512      | 2.4                      | 12.0      | <b>7.3</b>               | 0.46   | 0.85  | C64             |
| Renal pelvis                 | 214        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                     | 0.07       | 154       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 155        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                     | 0.05       | 119       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 8435       | 7.4       | 41.2                     | <b>24.7</b>  | 0.99                     | 2.85       | 2763      | 2.6                      | 13.2      | <b>6.5</b>               | 0.32   | 0.78  | C67             |
| Other urinary organs         | 117        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                     | 0.04       | 45        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 191        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.08       | 165       | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 1794       | 1.6       | 8.8                      | <b>7.0</b>   | 0.43                     | 0.67       | 1473      | 1.4                      | 7.0       | <b>5.2</b>               | 0.32   | 0.50  | C70-72          |
| Thyroid                      | 1058       | 0.9       | 5.2                      | <b>3.8</b>   | 0.28                     | 0.41       | 3138      | 3.0                      | 15.0      | <b>12.0</b>              | 0.94   | 1.13  | C73             |
| Adrenal gland                | 63         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02       | 72        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 34         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01       | 28        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 677        | 0.6       | 3.3                      | <b>3.0</b>   | 0.20                     | 0.24       | 642       | 0.6                      | 3.1       | <b>2.8</b>               | 0.18   | 0.23  | C81             |
| Non-Hodgkin lymphoma         | 5230       | 4.6       | 25.6                     | <b>16.9</b>  | 0.91                     | 1.87       | 4732      | 4.5                      | 22.6      | <b>12.6</b>              | 0.71   | 1.44  | C82-85,C96      |
| Immunoproliferative diseases | 104        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 58        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 1429       | 1.2       | 7.0                      | <b>4.3</b>   | 0.19                     | 0.51       | 1043      | 1.0                      | 5.0       | <b>2.5</b>               | 0.12   | 0.29  | C90             |
| Lymphoid leukaemia           | 1807       | 1.6       | 8.8                      | <b>6.5</b>   | 0.31                     | 0.65       | 1237      | 1.2                      | 5.9       | <b>3.8</b>               | 0.19   | 0.36  | C91             |
| Myeloid leukaemia            | 1590       | 1.4       | 7.8                      | <b>5.3</b>   | 0.26                     | 0.53       | 1241      | 1.2                      | 5.9       | <b>3.5</b>               | 0.20   | 0.35  | C92-94          |
| Leukaemia unspecified        | 162        | 0.1       | 0.8                      | <b>0.5</b>   | 0.01                     | 0.04       | 147       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 693        | 0.6       | 3.4                      | <b>2.2</b>   | 0.12                     | 0.23       | 650       | 0.6                      | 3.1       | <b>1.6</b>               | 0.09   | 0.17  | MPD             |
| Myelodysplastic syndromes    | 1282       | 1.1       | 6.3                      | <b>3.4</b>   | 0.09                     | 0.33       | 1013      | 1.0                      | 4.8       | <b>2.0</b>               | 0.07   | 0.20  | MDS             |
| Other and unspecified        | 2369       | 2.1       | 11.6                     | <b>7.1</b>   | 0.34                     | 0.79       | 2896      | 2.7                      | 13.9      | <b>6.6</b>               | 0.31   | 0.75  | O&U             |
| All sites                    | 114994     |           | 561.9                    | <b>368.1</b> | 18.83                    | 44.27      | 105812    |                          | 506.1     | <b>297.4</b>             | 18.35  | 33.84 | C00-96          |
| All sites except C44         | 114626     | 100.0     | 560.1                    | <b>366.9</b> | 18.77                    | 44.15      | 105437    | 100.0                    | 504.3     | <b>296.3</b>             | 18.28  | 33.72 | C00-96 exc. C44 |

§Includes 5 cases of unknown age

§Includes 3 cases of unknown age



# USA, Michigan, Detroit

## REGISTRATION AREA

The area covered by the Metropolitan Detroit Cancer Surveillance System (MDCSS) is 5094 km<sup>2</sup>, on the eastern border of Michigan, facing Canada. At the 2010 census, the covered population was 3.9 million, of whom 67.3% were White, 25.2% Black, 3.6% Asian, and 3.9% of other races; 4.0% were of Spanish origin. The area is predominantly urban and heavily industrialized, as the centre of the United States automobile manufacturing industry.

## CANCER CARE FACILITIES

There are two National Cancer Institute (NCI)-designated Comprehensive Cancer Centers in the area, one within the borders of the MDCSS data collection area. Many of the more than 60 hospitals and other facilities in the area provide cancer care and have cancer research and treatment programmes.

## REGISTRY STRUCTURE AND METHODS

The MDCSS is part of the Epidemiology Section housed in the Population Studies and Disparities Research Program at the Karmanos Cancer Institute and the Department of Oncology at the Wayne State University (WSU) School of Medicine. The registry began in 1949 as a pathology registry for 25 collaborating hospitals. In 1973, it became a founding participant in NCI's SEER Program. Cancer is a reportable disease in Michigan. The MDCSS is the official designate of the Michigan Department of Community Health (MDCH) for cancer data collection in the Detroit metropolitan area. The MDCSS provides incidence, first course of therapy, and survival reporting. Data are collected by MDCSS abstracting staff members from more than 60 hospitals, private pathology laboratories, radiation therapy facilities, and selected clinics and physicians' offices. Active follow-up is maintained for all cases, with requests for information sent to physicians biannually. Hospital re-admissions are abstracted, and Internet search engines are also used as part of active follow-up. Death certificates for the state of Michigan are linked quarterly to update vital status and cause of death.

## INTERPRETING THE RESULTS

The state of Michigan conducts various cancer control and screening programmes in the area, including the Breast and Cervical Cancer Control Program (BCCCP) and the Michigan Colorectal Cancer Early Detection Program.

## USE OF THE DATA

MDCSS data are used extensively in research conducted by WSU faculty members, who report to the MDCSS director. MDCSS researchers collaborate with other researchers. Registry data are also frequently used by local hospitals, health departments, and the MDCH for planning, evaluation, and education purposes. The data are also used to address community concerns about cancer risk.

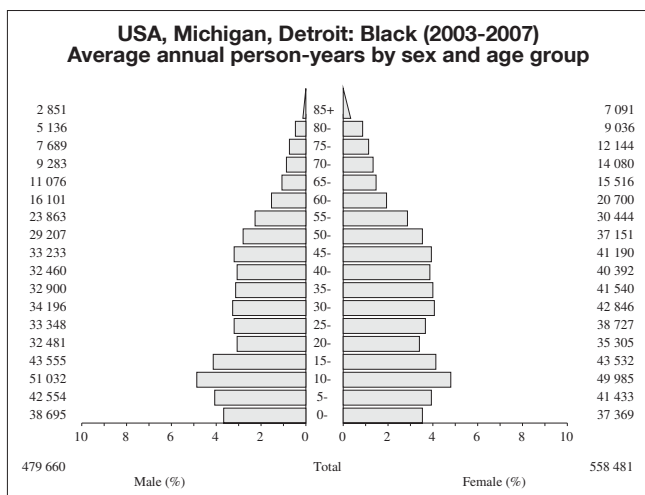
## CONTRIBUTORS

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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

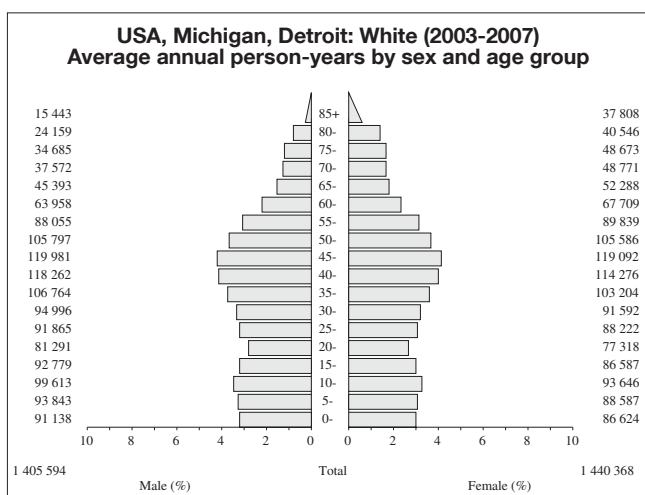
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 132.4 | Breast                     | 89.6  |
| Trachea, bronchus and lung | 60.9  | Trachea, bronchus and lung | 44.4  |
| Colon                      | 24.9  | Colon                      | 20.4  |
| Bladder                    | 24.2  | Corpus uteri               | 20.0  |
| Non-Hodgkin lymphoma       | 16.9  | Non-Hodgkin lymphoma       | 13.0  |
| Kidney                     | 13.8  | Thyroid                    | 11.7  |
| Melanoma of skin           | 13.2  | Melanoma of skin           | 10.4  |
| Rectum                     | 11.6  | Ovary                      | 9.4   |
| Pancreas                   | 10.4  | Kidney                     | 7.7   |
| Stomach                    | 7.7   | Rectum                     | 7.6   |
| All sites                  | 413.3 | All sites                  | 312.2 |



NOTES ON THE DATA: \*No official mortality data.

**USA, MICHIGAN, DETROIT: BLACK**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 191.7 | Breast                     | 87.3  |
| Trachea, bronchus and lung | 79.2  | Trachea, bronchus and lung | 45.8  |
| Colon                      | 35.1  | Colon                      | 26.4  |
| Kidney                     | 16.5  | Corpus uteri               | 16.7  |
| Non-Hodgkin lymphoma       | 14.0  | Non-Hodgkin lymphoma       | 10.8  |
| Pancreas                   | 13.6  | Pancreas                   | 10.4  |
| Bladder                    | 13.6  | Cervix uteri               | 9.5   |
| Rectum                     | 12.6  | Rectum                     | 8.3   |
| Liver                      | 12.0  | Kidney                     | 8.3   |
| Stomach                    | 11.4  | Ovary                      | 7.7   |
| All sites                  | 493.9 | All sites                  | 309.8 |



NOTES ON THE DATA: \*No official mortality data.

**USA, MICHIGAN, DETROIT: WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 113.1 | Breast                     | 90.9  |
| Trachea, bronchus and lung | 57.4  | Trachea, bronchus and lung | 44.9  |
| Bladder                    | 26.8  | Corpus uteri               | 21.4  |
| Colon                      | 22.7  | Colon                      | 18.6  |
| Non-Hodgkin lymphoma       | 17.7  | Melanoma of skin           | 14.2  |
| Melanoma of skin           | 16.8  | Non-Hodgkin lymphoma       | 13.5  |
| Kidney                     | 13.2  | Thyroid                    | 13.3  |
| Rectum                     | 11.4  | Ovary                      | 10.1  |
| Pancreas                   | 9.9   | Kidney                     | 7.6   |
| Lymphoid leukaemia         | 7.0   | Rectum                     | 7.4   |
| All sites                  | 391.8 | All sites                  | 316.3 |

## USA, Michigan, Detroit (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 73         | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.06      | 20        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 465        | 0.8       | 4.7                      | <b>3.5</b>   | 0.26                     | 0.43      | 178       | 0.3                      | 1.7       | <b>1.1</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 351        | 0.6       | 3.6                      | <b>2.6</b>   | 0.18                     | 0.32      | 228       | 0.4                      | 2.2       | <b>1.3</b>               | 0.09   | 0.15  | C03-06          |
| Salivary glands              | 143        | 0.3       | 1.5                      | <b>1.0</b>   | 0.07                     | 0.11      | 143       | 0.3                      | 1.4       | <b>0.9</b>               | 0.07   | 0.10  | C07-08          |
| Tonsil                       | 275        | 0.5       | 2.8                      | <b>2.1</b>   | 0.17                     | 0.24      | 87        | 0.2                      | 0.8       | <b>0.5</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 74         | 0.1       | 0.8                      | <b>0.6</b>   | 0.05                     | 0.06      | 17        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 73         | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06      | 35        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C11             |
| Hypopharynx                  | 150        | 0.3       | 1.5                      | <b>1.1</b>   | 0.07                     | 0.14      | 45        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C12-13          |
| Pharynx unspecified          | 45         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.04      | 25        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 831        | 1.5       | 8.5                      | <b>6.1</b>   | 0.33                     | 0.77      | 291       | 0.6                      | 2.8       | <b>1.6</b>               | 0.08   | 0.19  | C15             |
| Stomach                      | 1093       | 2.0       | 11.1                     | <b>7.7</b>   | 0.39                     | 0.87      | 708       | 1.4                      | 6.8       | <b>3.4</b>               | 0.16   | 0.37  | C16             |
| Small intestine              | 257        | 0.5       | 2.6                      | <b>1.9</b>   | 0.11                     | 0.23      | 256       | 0.5                      | 2.5       | <b>1.4</b>               | 0.09   | 0.17  | C17             |
| Colon                        | 3589       | 6.4       | 36.5                     | <b>24.9</b>  | 1.15                     | 2.89      | 4019      | 7.8                      | 38.7      | <b>20.4</b>              | 1.00   | 2.38  | C18             |
| Rectum                       | 1598       | 2.9       | 16.3                     | <b>11.6</b>  | 0.65                     | 1.37      | 1333      | 2.6                      | 12.8      | <b>7.6</b>               | 0.45   | 0.90  | C19-20          |
| Anus                         | 114        | 0.2       | 1.2                      | <b>0.8</b>   | 0.06                     | 0.09      | 202       | 0.4                      | 1.9       | <b>1.3</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 977        | 1.7       | 9.9                      | <b>7.2</b>   | 0.50                     | 0.85      | 439       | 0.8                      | 4.2       | <b>2.5</b>               | 0.13   | 0.29  | C22             |
| Gallbladder etc.             | 279        | 0.5       | 2.8                      | <b>1.9</b>   | 0.09                     | 0.21      | 362       | 0.7                      | 3.5       | <b>1.8</b>               | 0.09   | 0.21  | C23-24          |
| Pancreas                     | 1457       | 2.6       | 14.8                     | <b>10.4</b>  | 0.53                     | 1.28      | 1478      | 2.9                      | 14.2      | <b>7.4</b>               | 0.35   | 0.88  | C25             |
| Nose, sinuses etc.           | 69         | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 72        | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C30-31          |
| Larynx                       | 763        | 1.4       | 7.8                      | <b>5.8</b>   | 0.36                     | 0.76      | 214       | 0.4                      | 2.1       | <b>1.4</b>               | 0.10   | 0.17  | C32             |
| Trachea, bronchus and lung   | 8545       | 15.3      | 86.9                     | <b>60.9</b>  | 2.74                     | 7.64      | 7874      | 15.2                     | 75.7      | <b>44.4</b>              | 2.14   | 5.77  | C33-34          |
| Other thoracic organs        | 72         | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06      | 56        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 107        | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.08      | 106       | 0.2                      | 1.0       | <b>0.9</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 1760       | 3.1       | 17.9                     | <b>13.2</b>  | 0.79                     | 1.48      | 1440      | 2.8                      | 13.9      | <b>10.4</b>              | 0.75   | 1.01  | C43             |
| Other skin                   | 166        |           | 1.7                      | <b>1.2</b>   | 0.06                     | 0.11      | 223       |                          | 2.1       | <b>1.5</b>               | 0.09   | 0.15  | C44             |
| Mesothelioma                 | 144        | 0.3       | 1.5                      | <b>0.9</b>   | 0.03                     | 0.11      | 54        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.04  | C45             |
| Kaposi sarcoma               | 73         | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.05      | 14        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 369        | 0.7       | 3.8                      | <b>2.9</b>   | 0.15                     | 0.28      | 307       | 0.6                      | 3.0       | <b>2.0</b>               | 0.12   | 0.20  | C47+C49         |
| Breast                       | 139        | 0.2       | 1.4                      | <b>1.0</b>   | 0.07                     | 0.12      | 14155     | 27.4                     | 136.2     | <b>89.6</b>              | 6.39   | 10.31 | C50             |
| Vulva                        |            |           |                          |              |                          |           | 307       | 0.6                      | 3.0       | <b>1.7</b>               | 0.11   | 0.19  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 94        | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 874       | 1.7                      | 8.4       | <b>6.6</b>               | 0.50   | 0.65  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 3068      | 5.9                      | 29.5      | <b>20.0</b>              | 1.45   | 2.50  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 99        | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.07  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 1525      | 3.0                      | 14.7      | <b>9.4</b>               | 0.63   | 1.05  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 60        | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 10        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 72         | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 17477      | 31.3      | 177.7                    | <b>132.4</b> | 7.12                     | 17.72     |           |                          |           |                          |        |       | C61             |
| Testis                       | 528        | 0.9       | 5.4                      | <b>5.0</b>   | 0.38                     | 0.38      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 27         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1831       | 3.3       | 18.6                     | <b>13.8</b>  | 0.88                     | 1.68      | 1234      | 2.4                      | 11.9      | <b>7.7</b>               | 0.49   | 0.89  | C64             |
| Renal pelvis                 | 108        | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.08      | 69        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 66         | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.06      | 51        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 3577       | 6.4       | 36.4                     | <b>24.2</b>  | 0.97                     | 2.75      | 1290      | 2.5                      | 12.4      | <b>6.6</b>               | 0.30   | 0.81  | C67             |
| Other urinary organs         | 56         | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.04      | 32        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 83         | 0.1       | 0.8                      | <b>0.7</b>   | 0.04                     | 0.07      | 59        | 0.1                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 707        | 1.3       | 7.2                      | <b>5.9</b>   | 0.38                     | 0.59      | 610       | 1.2                      | 5.9       | <b>4.5</b>               | 0.26   | 0.44  | C70-72          |
| Thyroid                      | 547        | 1.0       | 5.6                      | <b>4.3</b>   | 0.31                     | 0.47      | 1558      | 3.0                      | 15.0      | <b>11.7</b>              | 0.91   | 1.16  | C73             |
| Adrenal gland                | 37         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 31        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 14         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 16        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 353        | 0.6       | 3.6                      | <b>3.2</b>   | 0.23                     | 0.27      | 319       | 0.6                      | 3.1       | <b>2.9</b>               | 0.19   | 0.23  | C81             |
| Non-Hodgkin lymphoma         | 2295       | 4.1       | 23.3                     | <b>16.9</b>  | 0.94                     | 1.85      | 2241      | 4.3                      | 21.6      | <b>13.0</b>              | 0.74   | 1.49  | C82-85,C96      |
| Immunoproliferative diseases | 61         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04      | 29        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 747        | 1.3       | 7.6                      | <b>5.3</b>   | 0.25                     | 0.62      | 679       | 1.3                      | 6.5       | <b>3.7</b>               | 0.19   | 0.45  | C90             |
| Lymphoid leukaemia           | 829        | 1.5       | 8.4                      | <b>6.7</b>   | 0.33                     | 0.71      | 576       | 1.1                      | 5.5       | <b>3.7</b>               | 0.18   | 0.38  | C91             |
| Myeloid leukaemia            | 732        | 1.3       | 7.4                      | <b>5.4</b>   | 0.25                     | 0.56      | 641       | 1.2                      | 6.2       | <b>3.8</b>               | 0.20   | 0.39  | C92-94          |
| Leukaemia unspecified        | 61         | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.04      | 69        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 354        | 0.6       | 3.6                      | <b>2.5</b>   | 0.13                     | 0.25      | 354       | 0.7                      | 3.4       | <b>2.0</b>               | 0.11   | 0.22  | MPD             |
| Myelodysplastic syndromes    | 670        | 1.2       | 6.8                      | <b>4.2</b>   | 0.11                     | 0.40      | 560       | 1.1                      | 5.4       | <b>2.5</b>               | 0.08   | 0.24  | MDS             |
| Other and unspecified        | 792        | 1.4       | 8.1                      | <b>5.6</b>   | 0.27                     | 0.61      | 1060      | 2.1                      | 10.2      | <b>5.2</b>               | 0.24   | 0.56  | O&U             |
| All sites                    | 56075      |           | 570.3                    | <b>413.3</b> | 21.80                    | 50.11     | 51896     |                          | 499.2     | <b>312.2</b>             | 19.24  | 35.92 | C00-96          |
| All sites except C44         | 55909      | 100.0     | 568.6                    | <b>412.1</b> | 21.75                    | 50.00     | 51673     | 100.0                    | 497.1     | <b>310.7</b>             | 19.14  | 35.77 | C00-96 exc. C44 |

§Includes 8 cases of unknown age

**\*USA, Michigan, Detroit: Black (2003-2007)**

| SITE                         | Male       |           |                          |              |                     | Female   |           |           |                          |              | ICD-10 |                     |                 |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|-----------|-----------|--------------------------|--------------|--------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | 0-74 (%)        |
| Lip                          | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.02     | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C00             |
| Tongue                       | 87         | 0.7       | 3.6                      | <b>3.6</b>   | 0.24                | 0.48     | 39        | 0.3       | 1.4                      | <b>1.1</b>   | 0.08   | 0.13                | C01-02          |
| Mouth                        | 80         | 0.6       | 3.3                      | <b>3.0</b>   | 0.22                | 0.36     | 48        | 0.4       | 1.7                      | <b>1.3</b>   | 0.10   | 0.14                | C03-06          |
| Salivary glands              | 14         | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                | 0.07     | 31        | 0.3       | 1.1                      | <b>0.9</b>   | 0.06   | 0.10                | C07-08          |
| Tonsil                       | 58         | 0.5       | 2.4                      | <b>2.3</b>   | 0.17                | 0.27     | 23        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04   | 0.07                | C09             |
| Other oropharynx             | 31         | 0.2       | 1.3                      | <b>1.1</b>   | 0.09                | 0.11     | 9         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.01                | C10             |
| Nasopharynx                  | 20         | 0.2       | 0.8                      | <b>0.8</b>   | 0.07                | 0.08     | 7         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.03                | C11             |
| Hypopharynx                  | 52         | 0.4       | 2.2                      | <b>2.0</b>   | 0.16                | 0.22     | 20        | 0.2       | 0.7                      | <b>0.6</b>   | 0.05   | 0.08                | C12-13          |
| Pharynx unspecified          | 14         | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                | 0.08     | 11        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.04                | C14             |
| Oesophagus                   | 175        | 1.4       | 7.3                      | <b>6.8</b>   | 0.37                | 0.88     | 88        | 0.8       | 3.2                      | <b>2.4</b>   | 0.14   | 0.29                | C15             |
| Stomach                      | 311        | 2.4       | 13.0                     | <b>11.4</b>  | 0.56                | 1.22     | 220       | 1.9       | 7.9                      | <b>5.0</b>   | 0.23   | 0.51                | C16             |
| Small intestine              | 86         | 0.7       | 3.6                      | <b>3.4</b>   | 0.17                | 0.45     | 90        | 0.8       | 3.2                      | <b>2.4</b>   | 0.13   | 0.28                | C17             |
| Colon                        | 938        | 7.4       | 39.1                     | <b>35.1</b>  | 1.84                | 4.05     | 1043      | 9.2       | 37.4                     | <b>26.4</b>  | 1.47   | 3.16                | C18             |
| Rectum                       | 339        | 2.7       | 14.1                     | <b>12.6</b>  | 0.71                | 1.47     | 319       | 2.8       | 11.4                     | <b>8.3</b>   | 0.50   | 0.99                | C19-20          |
| Anus                         | 45         | 0.4       | 1.9                      | <b>1.6</b>   | 0.12                | 0.15     | 48        | 0.4       | 1.7                      | <b>1.4</b>   | 0.09   | 0.15                | C21             |
| Liver                        | 317        | 2.5       | 13.2                     | <b>12.0</b>  | 1.03                | 1.42     | 131       | 1.2       | 4.7                      | <b>3.4</b>   | 0.23   | 0.40                | C22             |
| Gallbladder etc.             | 50         | 0.4       | 2.1                      | <b>1.8</b>   | 0.13                | 0.21     | 93        | 0.8       | 3.3                      | <b>2.3</b>   | 0.11   | 0.28                | C23-24          |
| Pancreas                     | 358        | 2.8       | 14.9                     | <b>13.6</b>  | 0.78                | 1.66     | 411       | 3.6       | 14.7                     | <b>10.4</b>  | 0.54   | 1.26                | C25             |
| Nose, sinuses etc.           | 22         | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                | 0.11     | 14        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03   | 0.04                | C30-31          |
| Larynx                       | 235        | 1.8       | 9.8                      | <b>9.4</b>   | 0.57                | 1.27     | 74        | 0.7       | 2.7                      | <b>2.0</b>   | 0.16   | 0.24                | C32             |
| Trachea, bronchus and lung   | 2068       | 16.3      | 86.2                     | <b>79.2</b>  | 4.20                | 9.94     | 1719      | 15.1      | 61.6                     | <b>45.8</b>  | 2.50   | 5.72                | C33-34          |
| Other thoracic organs        | 15         | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                | 0.06     | 17        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03   | 0.05                | C37-38          |
| Bone                         | 20         | 0.2       | 0.8                      | <b>0.8</b>   | 0.06                | 0.06     | 30        | 0.3       | 1.1                      | <b>0.9</b>   | 0.06   | 0.08                | C40-41          |
| Melanoma of skin             | 10         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                | 0.05     | 21        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03   | 0.05                | C43             |
| Other skin                   | 26         | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                | 0.10     | 50        | 0.4       | 1.8                      | <b>1.5</b>   | 0.12   | 0.15                | C44             |
| Mesothelioma                 | 11         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.05     | 7         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C45             |
| Kaposi sarcoma               | 37         | 0.3       | 1.5                      | <b>1.5</b>   | 0.11                | 0.12     | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C46             |
| Connective and soft tissue   | 66         | 0.5       | 2.8                      | <b>2.5</b>   | 0.15                | 0.22     | 67        | 0.6       | 2.4                      | <b>2.0</b>   | 0.15   | 0.18                | C47+C49         |
| Breast                       | 35         | 0.3       | 1.5                      | <b>1.3</b>   | 0.11                | 0.16     | 3141      | 27.7      | 112.5                    | <b>87.3</b>  | 6.23   | 10.03               | C50             |
| Vulva                        |            |           |                          |              |                     |          | 56        | 0.5       | 2.0                      | <b>1.6</b>   | 0.12   | 0.17                | C51             |
| Vagina                       |            |           |                          |              |                     |          | 28        | 0.2       | 1.0                      | <b>0.8</b>   | 0.05   | 0.10                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 313       | 2.8       | 11.2                     | <b>9.5</b>   | 0.75   | 0.95                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 569       | 5.0       | 20.4                     | <b>16.7</b>  | 1.08   | 2.19                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 38        | 0.3       | 1.4                      | <b>1.1</b>   | 0.06   | 0.12                | C55             |
| Ovary                        |            |           |                          |              |                     |          | 282       | 2.5       | 10.1                     | <b>7.7</b>   | 0.47   | 0.87                | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 9         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01   | 0.03                | C57             |
| Placenta                     |            |           |                          |              |                     |          | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C58             |
| Penis                        | 18         | 0.1       | 0.8                      | <b>0.6</b>   | 0.03                | 0.05     |           |           |                          |              |        |                     | C60             |
| Prostate                     | 4794       | 37.7      | 199.9                    | <b>191.7</b> | 11.02               | 25.77    |           |           |                          |              |        |                     | C61             |
| Testis                       | 31         | 0.2       | 1.3                      | <b>1.2</b>   | 0.10                | 0.10     |           |           |                          |              |        |                     | C62             |
| Other male genital organs    | 6          | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02     |           |           |                          |              |        |                     | C63             |
| Kidney                       | 430        | 3.4       | 17.9                     | <b>16.5</b>  | 1.09                | 1.99     | 299       | 2.6       | 10.7                     | <b>8.3</b>   | 0.49   | 1.01                | C64             |
| Renal pelvis                 | 15         | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                | 0.06     | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C65             |
| Ureter                       | 5          | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                | 0.04     | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.02                | C66             |
| Bladder                      | 366        | 2.9       | 15.3                     | <b>13.6</b>  | 0.60                | 1.53     | 209       | 1.8       | 7.5                      | <b>4.8</b>   | 0.19   | 0.55                | C67             |
| Other urinary organs         | 13         | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                | 0.06     | 11        | 0.1       | 0.4                      | <b>0.3</b>   | 0.03   | 0.04                | C68             |
| Eye                          | 5          | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                | 0.01     | 6         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01   | 0.02                | C69             |
| Brain, nervous system        | 99         | 0.8       | 4.1                      | <b>4.0</b>   | 0.23                | 0.44     | 114       | 1.0       | 4.1                      | <b>3.6</b>   | 0.20   | 0.34                | C70-72          |
| Thyroid                      | 73         | 0.6       | 3.0                      | <b>2.8</b>   | 0.21                | 0.29     | 258       | 2.3       | 9.2                      | <b>7.7</b>   | 0.57   | 0.82                | C73             |
| Adrenal gland                | 7          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03     | 10        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03   | 0.03                | C74             |
| Other endocrine              | 4          | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C75             |
| Hodgkin lymphoma             | 79         | 0.6       | 3.3                      | <b>3.2</b>   | 0.25                | 0.28     | 68        | 0.6       | 2.4                      | <b>2.4</b>   | 0.15   | 0.21                | C81             |
| Non-Hodgkin lymphoma         | 370        | 2.9       | 15.4                     | <b>14.0</b>  | 0.84                | 1.47     | 386       | 3.4       | 13.8                     | <b>10.8</b>  | 0.69   | 1.17                | C82-85,C96      |
| Immunoproliferative diseases | 9          | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                | 0.03     | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C88             |
| Multiple myeloma             | 257        | 2.0       | 10.7                     | <b>9.9</b>   | 0.52                | 1.12     | 286       | 2.5       | 10.2                     | <b>7.6</b>   | 0.38   | 0.96                | C90             |
| Lymphoid leukaemia           | 130        | 1.0       | 5.4                      | <b>5.0</b>   | 0.30                | 0.48     | 98        | 0.9       | 3.5                      | <b>2.7</b>   | 0.14   | 0.31                | C91             |
| Myeloid leukaemia            | 136        | 1.1       | 5.7                      | <b>5.2</b>   | 0.29                | 0.52     | 123       | 1.1       | 4.4                      | <b>3.2</b>   | 0.15   | 0.35                | C92-94          |
| Leukaemia unspecified        | 10         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03     | 11        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01   | 0.02                | C95             |
| Myeloproliferative disorders | 71         | 0.6       | 3.0                      | <b>2.6</b>   | 0.14                | 0.28     | 84        | 0.7       | 3.0                      | <b>2.3</b>   | 0.12   | 0.27                | MPD             |
| Myelodysplastic syndromes    | 110        | 0.9       | 4.6                      | <b>3.7</b>   | 0.12                | 0.36     | 114       | 1.0       | 4.1                      | <b>2.6</b>   | 0.10   | 0.26                | MDS             |
| Other and unspecified        | 177        | 1.4       | 7.4                      | <b>6.7</b>   | 0.36                | 0.77     | 233       | 2.1       | 8.3                      | <b>6.0</b>   | 0.31   | 0.64                | O&U             |
| All sites                    | 12737      |           | 531.1                    | <b>493.9</b> | 28.37               | 61.05    | 11398     |           | 408.2                    | <b>309.8</b> | 19.28  | 36.00               | C00-96          |
| All sites except C44         | 12711      | 100.0     | 530.0                    | <b>492.9</b> | 28.30               | 60.96    | 11348     | 100.0     | 406.4                    | <b>308.2</b> | 19.17  | 35.86               | C00-96 exc. C44 |

§Includes 1 case of unknown age

\*See note following population pyramid

**\*USA, Michigan, Detroit: White (2003-2007)**

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 67        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                     | 0.07      | 16        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 368       | 0.9       | 5.2                      | <b>3.6</b>   | 0.27                     | 0.43      | 137       | 0.3                      | 1.9       | <b>1.1</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 263       | 0.6       | 3.7                      | <b>2.5</b>   | 0.18                     | 0.31      | 173       | 0.4                      | 2.4       | <b>1.4</b>               | 0.09   | 0.15  | C03-06          |
| Salivary glands              | 128       | 0.3       | 1.8                      | <b>1.2</b>   | 0.08                     | 0.13      | 107       | 0.3                      | 1.5       | <b>1.0</b>               | 0.07   | 0.10  | C07-08          |
| Tonsil                       | 216       | 0.5       | 3.1                      | <b>2.1</b>   | 0.18                     | 0.24      | 64        | 0.2                      | 0.9       | <b>0.5</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 43        | 0.1       | 0.6                      | <b>0.4</b>   | 0.04                     | 0.05      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C10             |
| Nasopharynx                  | 50        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.05      | 28        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C11             |
| Hypopharynx                  | 98        | 0.2       | 1.4                      | <b>1.0</b>   | 0.05                     | 0.13      | 25        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 31        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04      | 13        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 646       | 1.6       | 9.2                      | <b>6.0</b>   | 0.33                     | 0.76      | 199       | 0.5                      | 2.8       | <b>1.3</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 743       | 1.8       | 10.6                     | <b>6.7</b>   | 0.33                     | 0.77      | 473       | 1.2                      | 6.6       | <b>2.9</b>               | 0.13   | 0.32  | C16             |
| Small intestine              | 171       | 0.4       | 2.4                      | <b>1.6</b>   | 0.10                     | 0.18      | 164       | 0.4                      | 2.3       | <b>1.2</b>               | 0.07   | 0.13  | C17             |
| Colon                        | 2597      | 6.3       | 37.0                     | <b>22.7</b>  | 0.99                     | 2.63      | 2914      | 7.4                      | 40.5      | <b>18.6</b>              | 0.86   | 2.14  | C18             |
| Rectum                       | 1230      | 3.0       | 17.5                     | <b>11.4</b>  | 0.65                     | 1.36      | 986       | 2.5                      | 13.7      | <b>7.4</b>               | 0.44   | 0.88  | C19-20          |
| Anus                         | 67        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                     | 0.07      | 153       | 0.4                      | 2.1       | <b>1.3</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 629       | 1.5       | 8.9                      | <b>5.8</b>   | 0.35                     | 0.69      | 284       | 0.7                      | 3.9       | <b>2.1</b>               | 0.10   | 0.24  | C22             |
| Gallbladder etc.             | 222       | 0.5       | 3.2                      | <b>1.9</b>   | 0.08                     | 0.21      | 257       | 0.7                      | 3.6       | <b>1.6</b>               | 0.07   | 0.18  | C23-24          |
| Pancreas                     | 1085      | 2.6       | 15.4                     | <b>9.9</b>   | 0.48                     | 1.22      | 1046      | 2.7                      | 14.5      | <b>6.5</b>               | 0.29   | 0.77  | C25             |
| Nose, sinuses etc.           | 46        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.05      | 56        | 0.1                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C30-31          |
| Larynx                       | 519       | 1.2       | 7.4                      | <b>5.1</b>   | 0.31                     | 0.65      | 138       | 0.4                      | 1.9       | <b>1.2</b>               | 0.08   | 0.15  | C32             |
| Trachea, bronchus and lung   | 6387      | 15.4      | 90.9                     | <b>57.4</b>  | 2.42                     | 7.20      | 6102      | 15.5                     | 84.7      | <b>44.9</b>              | 2.10   | 5.91  | C33-34          |
| Other thoracic organs        | 56        | 0.1       | 0.8                      | <b>0.7</b>   | 0.04                     | 0.06      | 38        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 83        | 0.2       | 1.2                      | <b>1.0</b>   | 0.06                     | 0.09      | 73        | 0.2                      | 1.0       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 1711      | 4.1       | 24.3                     | <b>16.8</b>  | 1.02                     | 1.88      | 1391      | 3.5                      | 19.3      | <b>14.2</b>              | 1.03   | 1.37  | C43             |
| Other skin                   | 135       | 0.3       | 1.9                      | <b>1.2</b>   | 0.05                     | 0.12      | 166       | 0.4                      | 2.3       | <b>1.4</b>               | 0.08   | 0.15  | C44             |
| Mesothelioma                 | 133       | 0.3       | 1.9                      | <b>1.1</b>   | 0.03                     | 0.12      | 44        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C45             |
| Kaposi sarcoma               | 28        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 10        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 290       | 0.7       | 4.1                      | <b>2.9</b>   | 0.15                     | 0.29      | 232       | 0.6                      | 3.2       | <b>2.0</b>               | 0.11   | 0.20  | C47+C49         |
| Breast                       | 99        | 0.2       | 1.4                      | <b>0.9</b>   | 0.05                     | 0.11      | 10690     | 27.2                     | 148.4     | <b>90.9</b>              | 6.47   | 10.45 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 247       | 0.6                      | 3.4       | <b>1.8</b>               | 0.10   | 0.20  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 66        | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 543       | 1.4                      | 7.5       | <b>5.7</b>               | 0.43   | 0.56  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 2450      | 6.2                      | 34.0      | <b>21.4</b>              | 1.60   | 2.65  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 56        | 0.1                      | 0.8       | <b>0.4</b>               | 0.03   | 0.05  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 1211      | 3.1                      | 16.8      | <b>10.1</b>              | 0.68   | 1.12  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 51        | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 52        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 11760     | 28.3      | 167.3                    | <b>113.1</b> | 5.87                     | 15.14     |           |                          |           |                          |        |       | C61             |
| Testis                       | 480       | 1.2       | 6.8                      | <b>6.4</b>   | 0.48                     | 0.49      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 21        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1362      | 3.3       | 19.4                     | <b>13.2</b>  | 0.83                     | 1.62      | 910       | 2.3                      | 12.6      | <b>7.6</b>               | 0.50   | 0.87  | C64             |
| Renal pelvis                 | 92        | 0.2       | 1.3                      | <b>0.8</b>   | 0.03                     | 0.09      | 67        | 0.2                      | 0.9       | <b>0.4</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 61        | 0.1       | 0.9                      | <b>0.5</b>   | 0.02                     | 0.07      | 46        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C66             |
| Bladder                      | 3131      | 7.5       | 44.6                     | <b>26.8</b>  | 1.07                     | 3.06      | 1049      | 2.7                      | 14.6      | <b>7.2</b>               | 0.34   | 0.88  | C67             |
| Other urinary organs         | 41        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                     | 0.03      | 21        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 77        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.09      | 51        | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 593       | 1.4       | 8.4                      | <b>6.6</b>   | 0.43                     | 0.64      | 484       | 1.2                      | 6.7       | <b>4.9</b>               | 0.29   | 0.49  | C70-72          |
| Thyroid                      | 453       | 1.1       | 6.4                      | <b>4.8</b>   | 0.35                     | 0.52      | 1243      | 3.2                      | 17.3      | <b>13.3</b>              | 1.04   | 1.29  | C73             |
| Adrenal gland                | 27        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 20        | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 11        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 263       | 0.6       | 3.7                      | <b>3.3</b>   | 0.23                     | 0.28      | 246       | 0.6                      | 3.4       | <b>3.2</b>               | 0.21   | 0.25  | C81             |
| Non-Hodgkin lymphoma         | 1880      | 4.5       | 26.8                     | <b>17.7</b>  | 0.98                     | 1.96      | 1799      | 4.6                      | 25.0      | <b>13.5</b>              | 0.75   | 1.58  | C82-85,C96      |
| Immunoproliferative diseases | 48        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.04      | 24        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C88             |
| Multiple myeloma             | 479       | 1.2       | 6.8                      | <b>4.2</b>   | 0.18                     | 0.51      | 383       | 1.0                      | 5.3       | <b>2.6</b>               | 0.13   | 0.30  | C90             |
| Lymphoid leukaemia           | 657       | 1.6       | 9.3                      | <b>7.0</b>   | 0.33                     | 0.74      | 451       | 1.1                      | 6.3       | <b>4.0</b>               | 0.19   | 0.39  | C91             |
| Myeloid leukaemia            | 585       | 1.4       | 8.3                      | <b>5.6</b>   | 0.25                     | 0.58      | 502       | 1.3                      | 7.0       | <b>4.0</b>               | 0.22   | 0.40  | C92-94          |
| Leukaemia unspecified        | 49        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.04      | 57        | 0.1                      | 0.8       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 268       | 0.6       | 3.8                      | <b>2.4</b>   | 0.13                     | 0.24      | 253       | 0.6                      | 3.5       | <b>1.8</b>               | 0.10   | 0.20  | MPD             |
| Myelodysplastic syndromes    | 549       | 1.3       | 7.8                      | <b>4.3</b>   | 0.11                     | 0.42      | 434       | 1.1                      | 6.0       | <b>2.4</b>               | 0.08   | 0.24  | MDS             |
| Other and unspecified        | 604       | 1.5       | 8.6                      | <b>5.4</b>   | 0.25                     | 0.58      | 804       | 2.0                      | 11.2      | <b>4.9</b>               | 0.22   | 0.53  | O&U             |
| All sites                    | 41683     |           | 593.1                    | <b>391.8</b> | 20.08                    | 47.18     | 39472     |                          | 548.1     | <b>316.3</b>             | 19.46  | 36.24 | C00-96          |
| All sites except C44         | 41548     | 100.0     | 591.2                    | <b>390.6</b> | 20.02                    | 47.06     | 39306     | 100.0                    | 545.8     | <b>314.8</b>             | 19.38  | 36.10 | C00-96 exc. C44 |

§Includes 3 cases of unknown age

\*See note following population pyramid



# USA, Mississippi

## REGISTRATION AREA

The Mississippi Cancer Registry (MCR) is a population-based registry that has served the citizens of the state of Mississippi in the USA since 1996. Mississippi's population is largely rural, and is 60% White, 37% Black, and 3% of other races; 19% of the population is uninsured.

## CANCER CARE FACILITIES

Out of nearly 100 hospitals in the state, only 13 have cancer programmes approved by the American College of Surgeons Commission on Cancer.

## REGISTRY STRUCTURE AND METHODS

Reporting to the MCR is mandated by state law. The United States Centers for Disease Control and Prevention (CDC), the Mississippi State Department of Health, and the University of Mississippi Medical Center provide the funding for the registry. The MCR has 10 staff members, eight of whom are certified tumour registrars (CTRs). Hospitals and some clinics actively submit cancer cases to the MCR. Other cases diagnosed and treated in non-hospital settings are identified through pathology reports, and requests are made to the facility for the relevant cancer information. Reportable diseases are those required by CDC, and the standards for data collection are outlined by the North American Association of Central Cancer Registries (NAACCR). All data are subject to visual review and editing by registry CTRs, as well as edit checks using CDC- and NAACCR-required edit sets. SEER multiple primary rules are used to determine the number of primary cancers for an individual cancer patient. Active follow-up of patients is not performed. Passive follow-up is accomplished through linkage with Mississippi Vital Records and the National Death Index.

## INTERPRETING THE RESULTS

The only organized screening programme directed towards the uninsured population is the Mississippi Breast and Cervical Cancer Early Detection Program,

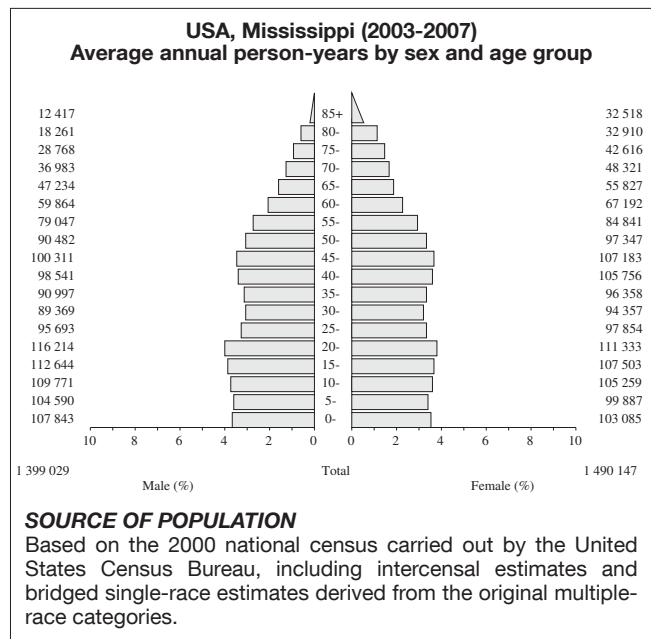
which screens only a small percentage of eligible uninsured women across the state.

## USE OF THE DATA

The MCR publishes aggregate incidence and mortality statistics and stage of disease at diagnosis statistics online (<http://www.umc.edu/mcr/>) and provides data to the Mississippi State Department of Health for planning and evaluation of health services. MCR data are used in the planning, implementation, and evaluation of the Mississippi Comprehensive Cancer Control Plan. Data are also provided to researchers upon request.

## CONTRIBUTORS

|                |                |
|----------------|----------------|
| Deirdre Rogers | Kristy Brister |
| Ramona Sandlin | LaTawnya Roby  |
| Donna Gooch    | Stacy Major    |
| Deidra Amos    | Patrina Massey |
| Tresheena Boyd |                |



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 117.4 | Breast                     | 79.0  |
| Trachea, bronchus and lung | 74.8  | Trachea, bronchus and lung | 37.4  |
| Colon                      | 29.1  | Colon                      | 22.7  |
| Bladder                    | 17.3  | Corpus uteri               | 13.3  |
| Kidney                     | 15.2  | Non-Hodgkin lymphoma       | 9.5   |
| Non-Hodgkin lymphoma       | 14.4  | Thyroid                    | 9.1   |
| Rectum                     | 12.8  | Melanoma of skin           | 8.6   |
| Melanoma of skin           | 12.3  | Kidney                     | 8.0   |
| Pancreas                   | 8.6   | Ovary                      | 7.6   |
| Other and unspecified      | 8.3   | Cervix uteri               | 7.3   |
| All sites                  | 400.1 | All sites                  | 269.7 |

## USA, Mississippi (2003-2007)

| SITE                         | Male       |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 118        | 0.3       | 1.7                      | 1.2       | 0.06                     | 0.15      | 26        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C00             |
| Tongue                       | 300        | 0.8       | 4.3                      | 3.4       | 0.26                     | 0.40      | 114       | 0.4                      | 1.5       | 1.0                      | 0.08   | 0.11  | C01-02          |
| Mouth                        | 267        | 0.7       | 3.8                      | 2.9       | 0.20                     | 0.37      | 145       | 0.5                      | 1.9       | 1.2                      | 0.07   | 0.14  | C03-06          |
| Salivary glands              | 98         | 0.3       | 1.4                      | 1.0       | 0.05                     | 0.10      | 76        | 0.2                      | 1.0       | 0.7                      | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 230        | 0.6       | 3.3                      | 2.6       | 0.21                     | 0.30      | 58        | 0.2                      | 0.8       | 0.5                      | 0.03   | 0.06  | C09             |
| Other oropharynx             | 53         | 0.1       | 0.8                      | 0.6       | 0.05                     | 0.07      | 20        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 57         | 0.2       | 0.8                      | 0.6       | 0.05                     | 0.06      | 31        | 0.1                      | 0.4       | 0.3                      | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 133        | 0.4       | 1.9                      | 1.5       | 0.11                     | 0.17      | 22        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C12-13          |
| Pharynx unspecified          | 62         | 0.2       | 0.9                      | 0.7       | 0.05                     | 0.08      | 16        | 0.1                      | 0.2       | 0.1                      | 0.01   | 0.01  | C14             |
| Oesophagus                   | 616        | 1.6       | 8.8                      | 6.7       | 0.46                     | 0.82      | 134       | 0.4                      | 1.8       | 1.1                      | 0.06   | 0.14  | C15             |
| Stomach                      | 622        | 1.7       | 8.9                      | 6.5       | 0.37                     | 0.78      | 408       | 1.3                      | 5.5       | 3.0                      | 0.15   | 0.33  | C16             |
| Small intestine              | 175        | 0.5       | 2.5                      | 1.8       | 0.12                     | 0.22      | 158       | 0.5                      | 2.1       | 1.3                      | 0.08   | 0.16  | C17             |
| Colon                        | 2804       | 7.5       | 40.1                     | 29.1      | 1.60                     | 3.51      | 2933      | 9.5                      | 39.4      | 22.7                     | 1.24   | 2.70  | C18             |
| Rectum                       | 1189       | 3.2       | 17.0                     | 12.8      | 0.82                     | 1.54      | 815       | 2.7                      | 10.9      | 6.9                      | 0.46   | 0.82  | C19-20          |
| Anus                         | 106        | 0.3       | 1.5                      | 1.2       | 0.09                     | 0.14      | 119       | 0.4                      | 1.6       | 1.0                      | 0.07   | 0.12  | C21             |
| Liver                        | 600        | 1.6       | 8.6                      | 6.4       | 0.42                     | 0.76      | 245       | 0.8                      | 3.3       | 2.0                      | 0.10   | 0.22  | C22             |
| Gallbladder etc.             | 124        | 0.3       | 1.8                      | 1.2       | 0.06                     | 0.14      | 191       | 0.6                      | 2.6       | 1.4                      | 0.08   | 0.17  | C23-24          |
| Pancreas                     | 836        | 2.2       | 12.0                     | 8.6       | 0.47                     | 1.03      | 837       | 2.7                      | 11.2      | 6.1                      | 0.27   | 0.74  | C25             |
| Nose, sinuses etc.           | 76         | 0.2       | 1.1                      | 0.8       | 0.06                     | 0.09      | 42        | 0.1                      | 0.6       | 0.4                      | 0.03   | 0.05  | C30-31          |
| Larynx                       | 696        | 1.9       | 9.9                      | 7.7       | 0.51                     | 0.98      | 129       | 0.4                      | 1.7       | 1.2                      | 0.09   | 0.16  | C32             |
| Trachea, bronchus and lung   | 7185       | 19.2      | 102.7                    | 74.8      | 3.69                     | 9.68      | 4533      | 14.8                     | 60.8      | 37.4                     | 2.10   | 4.84  | C33-34          |
| Other thoracic organs        | 33         | 0.1       | 0.5                      | 0.4       | 0.02                     | 0.04      | 21        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C37-38          |
| Bone                         | 72         | 0.2       | 1.0                      | 1.0       | 0.06                     | 0.08      | 57        | 0.2                      | 0.8       | 0.7                      | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 1141       | 3.0       | 16.3                     | 12.3      | 0.72                     | 1.42      | 875       | 2.8                      | 11.7      | 8.6                      | 0.61   | 0.87  | C43             |
| Other skin                   | 92         | 0.2       | 1.3                      | 0.9       | 0.05                     | 0.10      | 70        | 0.2                      | 0.9       | 0.6                      | 0.03   | 0.06  | C44             |
| Mesothelioma                 | 95         | 0.3       | 1.4                      | 0.9       | 0.04                     | 0.10      | 25        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 45         | 0.1       | 0.6                      | 0.5       | 0.03                     | 0.05      | 7         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 237        | 0.6       | 3.4                      | 2.7       | 0.14                     | 0.28      | 178       | 0.6                      | 2.4       | 1.8                      | 0.11   | 0.19  | C47+C49         |
| Breast                       | 63         | 0.2       | 0.9                      | 0.7       | 0.04                     | 0.08      | 8570      | 27.9                     | 115.0     | 79.0                     | 5.69   | 9.14  | C50             |
| Vulva                        |            |           |                          |           |                          |           | 211       | 0.7                      | 2.8       | 1.8                      | 0.13   | 0.19  | C51             |
| Vagina                       |            |           |                          |           |                          |           | 68        | 0.2                      | 0.9       | 0.6                      | 0.04   | 0.07  | C52             |
| Cervix uteri                 |            |           |                          |           |                          |           | 709       | 2.3                      | 9.5       | 7.3                      | 0.58   | 0.73  | C53             |
| Corpus uteri                 |            |           |                          |           |                          |           | 1433      | 4.7                      | 19.2      | 13.3                     | 0.95   | 1.62  | C54             |
| Uterus unspecified           |            |           |                          |           |                          |           | 64        | 0.2                      | 0.9       | 0.5                      | 0.03   | 0.05  | C55             |
| Ovary                        |            |           |                          |           |                          |           | 866       | 2.8                      | 11.6      | 7.6                      | 0.49   | 0.87  | C56             |
| Other female genital organs  |            |           |                          |           |                          |           | 40        | 0.1                      | 0.5       | 0.4                      | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |           |                          |           | 5         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.00  | C58             |
| Penis                        | 61         | 0.2       | 0.9                      | 0.6       | 0.04                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 11005      | 29.4      | 157.3                    | 117.4     | 6.08                     | 16.02     |           |                          |           |                          |        |       | C61             |
| Testis                       | 237        | 0.6       | 3.4                      | 3.3       | 0.25                     | 0.25      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 11         | 0.0       | 0.2                      | 0.1       | 0.00                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1370       | 3.7       | 19.6                     | 15.2      | 0.97                     | 1.89      | 890       | 2.9                      | 11.9      | 8.0                      | 0.52   | 0.95  | C64             |
| Renal pelvis                 | 39         | 0.1       | 0.6                      | 0.3       | 0.01                     | 0.03      | 44        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.04  | C65             |
| Ureter                       | 39         | 0.1       | 0.6                      | 0.4       | 0.01                     | 0.06      | 32        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C66             |
| Bladder                      | 1762       | 4.7       | 25.2                     | 17.3      | 0.71                     | 2.05      | 602       | 2.0                      | 8.1       | 4.5                      | 0.21   | 0.53  | C67             |
| Other urinary organs         | 19         | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02      | 17        | 0.1                      | 0.2       | 0.1                      | 0.01   | 0.01  | C68             |
| Eye                          | 56         | 0.1       | 0.8                      | 0.7       | 0.03                     | 0.06      | 42        | 0.1                      | 0.6       | 0.5                      | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 457        | 1.2       | 6.5                      | 5.7       | 0.34                     | 0.58      | 447       | 1.5                      | 6.0       | 4.7                      | 0.29   | 0.47  | C70-72          |
| Thyroid                      | 269        | 0.7       | 3.8                      | 3.2       | 0.22                     | 0.34      | 829       | 2.7                      | 11.1      | 9.1                      | 0.71   | 0.90  | C73             |
| Adrenal gland                | 14         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.02      | 20        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C74             |
| Other endocrine              | 11         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      | 7         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 204        | 0.5       | 2.9                      | 2.6       | 0.19                     | 0.23      | 165       | 0.5                      | 2.2       | 2.0                      | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 1319       | 3.5       | 18.9                     | 14.4      | 0.83                     | 1.68      | 1152      | 3.7                      | 15.5      | 9.5                      | 0.52   | 1.15  | C82-85,C96      |
| Immunoproliferative diseases | 11         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.02      | 7         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 474        | 1.3       | 6.8                      | 5.0       | 0.28                     | 0.65      | 480       | 1.6                      | 6.4       | 3.8                      | 0.22   | 0.45  | C90             |
| Lymphoid leukaemia           | 385        | 1.0       | 5.5                      | 4.6       | 0.23                     | 0.44      | 264       | 0.9                      | 3.5       | 2.5                      | 0.13   | 0.22  | C91             |
| Myeloid leukaemia            | 394        | 1.1       | 5.6                      | 4.4       | 0.24                     | 0.48      | 360       | 1.2                      | 4.8       | 3.2                      | 0.18   | 0.32  | C92-94          |
| Leukaemia unspecified        | 96         | 0.3       | 1.4                      | 0.9       | 0.04                     | 0.09      | 69        | 0.2                      | 0.9       | 0.4                      | 0.01   | 0.04  | C95             |
| Myeloproliferative disorders | 146        | 0.4       | 2.1                      | 1.6       | 0.09                     | 0.19      | 128       | 0.4                      | 1.7       | 1.1                      | 0.07   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 206        | 0.6       | 2.9                      | 2.0       | 0.07                     | 0.22      | 180       | 0.6                      | 2.4       | 1.3                      | 0.06   | 0.14  | MDS             |
| Other and unspecified        | 805        | 2.2       | 11.5                     | 8.3       | 0.44                     | 0.95      | 813       | 2.6                      | 10.9      | 6.1                      | 0.34   | 0.69  | O&U             |
| All sites                    | 37515      |           | 536.3                    | 400.1     | 21.92                    | 49.87     | 30799     |                          | 413.4     | 269.7                    | 17.28  | 31.19 | C00-96          |
| All sites except C44         | 37423      | 100.0     | 535.0                    | 399.2     | 21.87                    | 49.76     | 30729     | 100.0                    | 412.4     | 269.1                    | 17.24  | 31.13 | C00-96 exc. C44 |

§Includes 2 cases of unknown age



# USA, Missouri

## REGISTRATION AREA

The Missouri Cancer Registry (MCR) covers the state of Missouri in the USA, which has slightly more than 6 million residents and is divided into 115 counties. About 75% of Missouri residents live in a major or minor metropolitan area. The population is 84% White, 12% Black, and 4% of other races. Less than 4% of residents are Hispanic.

## CANCER CARE FACILITIES

The MCR collects reports of newly diagnosed cancer cases from hospitals, long-term care facilities, ambulatory surgery centres, free-standing cancer treatment centres, pathology laboratories, dermatologists, and Missouri Vital Statistics, as well as through case-sharing agreements with 19 other states. By 2014, physicians' offices will submit data from electronic health records.

## REGISTRY STRUCTURE AND METHODS

The MCR is a joint endeavour of the University of Missouri and the Missouri Department of Health and Senior Services, and receives funding from the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR). The registry staff includes a director, eight certified tumour registrars, two database administrators, a software support analyst, a statistician, an electronic communication coordinator, a special project coordinator, a part-time clerical support person, and two graduate research assistants.

## INTERPRETING THE RESULTS

MCR data meet NPCR data quality and completeness standards. The MCR has achieved North American Association of Central Cancer Registries (NAACCR) Gold Certification. Collaboration with Missouri's breast and cervical cancer screening programme (Show Me Healthy Women) provides an additional case-finding source for MCR and increases the completeness of screening programme records. Missouri has a breast and cervical cancer screening programme but not a colorectal cancer screening programme.

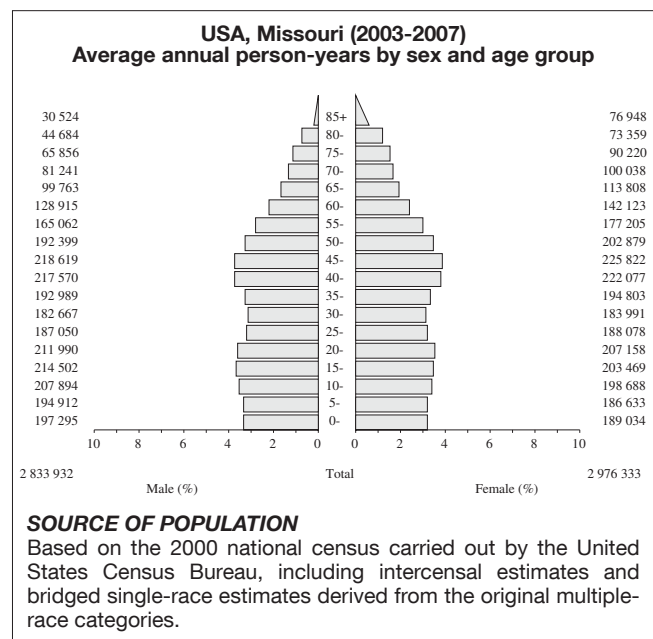
## USE OF THE DATA

MCR data are used for programme planning and evaluation, epidemiological studies, excess cancer

inquiries, annual reports, and other purposes (e.g. to address and assess cancer prevention and control issues). Policy-makers look to the registry to provide information about cancer burden, time trends in cancer incidence, disparity reduction, etc. Missouri incidence data are available online (<http://health.mo.gov/data/mica/MICA/>) by site, race, age group, and geographical unit. Lists of the top 10 cancer sites by county for males, females, and the total population are available from <http://mcr.umh.edu/mcr-county-level-data.php>. County-level data are also available in single or double map displays combined with tables, time-series charts, bar charts, and scatter plots (<http://mcr.umh.edu/mcr-instantatlas-data.php>). The Missouri Cancer Registry and Research Center (MCR-ARC) maintains a website (<http://mcr.umh.edu>) to assist entities required by Missouri Statutes (192.650 - 192.657 RSMo) to report cases to the MCR.

## CONTRIBUTORS

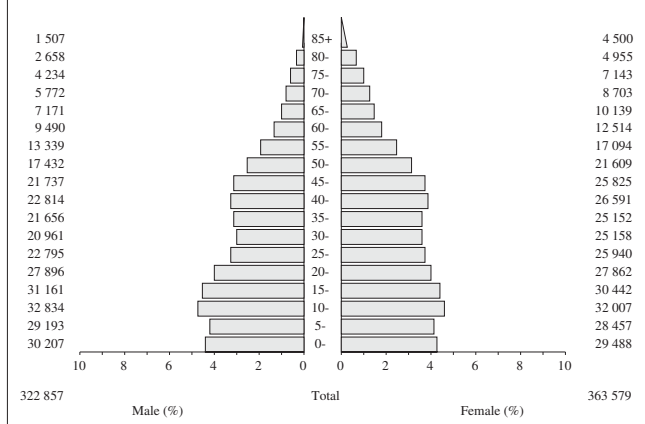
Jeannette Jackson-Thompson      Saba Yemane  
Chester Schmaltz



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 93.5  | Breast                     | 83.2  |
| Trachea, bronchus and lung | 65.8  | Trachea, bronchus and lung | 42.2  |
| Colon                      | 25.3  | Colon                      | 19.6  |
| Bladder                    | 21.0  | Corpus uteri               | 17.0  |
| Kidney                     | 14.7  | Thyroid                    | 11.9  |
| Non-Hodgkin lymphoma       | 14.6  | Non-Hodgkin lymphoma       | 10.7  |
| Melanoma of skin           | 14.1  | Melanoma of skin           | 9.9   |
| Rectum                     | 11.9  | Ovary                      | 8.4   |
| Pancreas                   | 8.6   | Kidney                     | 7.8   |
| Other and unspecified      | 7.8   | Cervix uteri               | 6.6   |
| All sites                  | 365.9 | All sites                  | 285.9 |

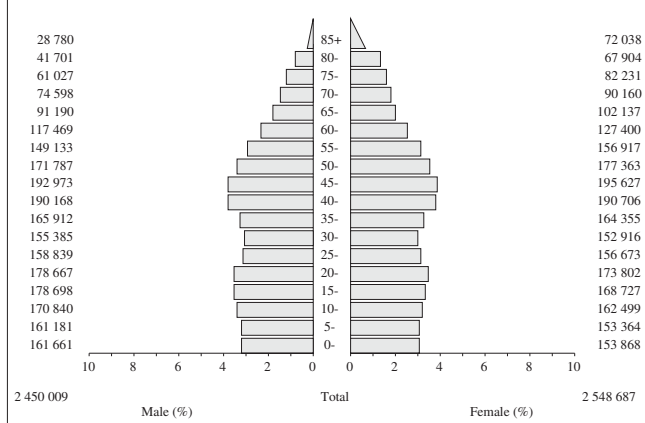
**USA, Missouri: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, MISSOURI: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 139.9        | Breast                     | 83.2         |
| Trachea, bronchus and lung | 82.4         | Trachea, bronchus and lung | 45.7         |
| Colon                      | 34.6         | Colon                      | 25.0         |
| Kidney                     | 17.7         | Corpus uteri               | 13.6         |
| Liver                      | 16.7         | Cervix uteri               | 9.9          |
| Pancreas                   | 14.7         | Kidney                     | 9.4          |
| Rectum                     | 13.6         | Pancreas                   | 9.0          |
| Bladder                    | 12.6         | Thyroid                    | 8.9          |
| Non-Hodgkin lymphoma       | 11.2         | Non-Hodgkin lymphoma       | 8.2          |
| Stomach                    | 9.8          | Rectum                     | 8.0          |
| <b>All sites</b>           | <b>442.2</b> | <b>All sites</b>           | <b>287.0</b> |

**USA, Missouri: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, MISSOURI: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 88.9         | Breast                     | 83.2         |
| Trachea, bronchus and lung | 64.7         | Trachea, bronchus and lung | 42.1         |
| Colon                      | 24.6         | Colon                      | 19.0         |
| Bladder                    | 21.7         | Corpus uteri               | 17.4         |
| Melanoma of skin           | 15.3         | Thyroid                    | 12.2         |
| Non-Hodgkin lymphoma       | 14.9         | Melanoma of skin           | 11.1         |
| Kidney                     | 14.5         | Non-Hodgkin lymphoma       | 10.9         |
| Rectum                     | 11.7         | Ovary                      | 8.6          |
| Pancreas                   | 8.0          | Kidney                     | 7.6          |
| Other and unspecified      | 7.7          | Rectum                     | 6.3          |
| <b>All sites</b>           | <b>358.9</b> | <b>All sites</b>           | <b>286.5</b> |

## USA, Missouri (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 179        | 0.2       | 1.3                      | <b>0.9</b>   | 0.05                     | 0.11      | 42        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 647        | 0.9       | 4.6                      | <b>3.3</b>   | 0.26                     | 0.38      | 256       | 0.4                      | 1.7       | <b>1.1</b>               | 0.07   | 0.14  | C01-02          |
| Mouth                        | 441        | 0.6       | 3.1                      | <b>2.2</b>   | 0.15                     | 0.27      | 292       | 0.4                      | 2.0       | <b>1.1</b>               | 0.07   | 0.13  | C03-06          |
| Salivary glands              | 187        | 0.2       | 1.3                      | <b>0.9</b>   | 0.04                     | 0.09      | 156       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 514        | 0.7       | 3.6                      | <b>2.7</b>   | 0.23                     | 0.31      | 107       | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 139        | 0.2       | 1.0                      | <b>0.7</b>   | 0.06                     | 0.09      | 41        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 95         | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.05      | 28        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 202        | 0.3       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.12      | 34        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 50         | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                     | 0.03      | 17        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1318       | 1.7       | 9.3                      | <b>6.3</b>   | 0.36                     | 0.79      | 349       | 0.5                      | 2.3       | <b>1.2</b>               | 0.06   | 0.14  | C15             |
| Stomach                      | 1105       | 1.5       | 7.8                      | <b>5.1</b>   | 0.26                     | 0.60      | 658       | 0.9                      | 4.4       | <b>2.3</b>               | 0.12   | 0.25  | C16             |
| Small intestine              | 359        | 0.5       | 2.5                      | <b>1.7</b>   | 0.11                     | 0.21      | 290       | 0.4                      | 1.9       | <b>1.1</b>               | 0.07   | 0.13  | C17             |
| Colon                        | 5623       | 7.4       | 39.7                     | <b>25.3</b>  | 1.17                     | 2.95      | 6010      | 8.5                      | 40.4      | <b>19.6</b>              | 0.94   | 2.21  | C18             |
| Rectum                       | 2489       | 3.3       | 17.6                     | <b>11.9</b>  | 0.70                     | 1.41      | 1722      | 2.4                      | 11.6      | <b>6.5</b>               | 0.41   | 0.74  | C19-20          |
| Anus                         | 202        | 0.3       | 1.4                      | <b>1.0</b>   | 0.08                     | 0.12      | 367       | 0.5                      | 2.5       | <b>1.6</b>               | 0.12   | 0.18  | C21             |
| Liver                        | 1304       | 1.7       | 9.2                      | <b>6.4</b>   | 0.45                     | 0.72      | 546       | 0.8                      | 3.7       | <b>2.0</b>               | 0.10   | 0.25  | C22             |
| Gallbladder etc.             | 340        | 0.4       | 2.4                      | <b>1.5</b>   | 0.05                     | 0.17      | 436       | 0.6                      | 2.9       | <b>1.4</b>               | 0.06   | 0.15  | C23-24          |
| Pancreas                     | 1863       | 2.5       | 13.1                     | <b>8.6</b>   | 0.42                     | 1.03      | 1943      | 2.8                      | 13.1      | <b>6.3</b>               | 0.29   | 0.73  | C25             |
| Nose, sinuses etc.           | 105        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 86        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 1062       | 1.4       | 7.5                      | <b>5.3</b>   | 0.33                     | 0.67      | 297       | 0.4                      | 2.0       | <b>1.3</b>               | 0.09   | 0.17  | C32             |
| Trachea, bronchus and lung   | 14186      | 18.7      | 100.1                    | <b>65.8</b>  | 3.05                     | 8.46      | 11070     | 15.7                     | 74.4      | <b>42.2</b>              | 2.12   | 5.53  | C33-34          |
| Other thoracic organs        | 63         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 44        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 186        | 0.2       | 1.3                      | <b>1.2</b>   | 0.07                     | 0.10      | 130       | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 2825       | 3.7       | 19.9                     | <b>14.1</b>  | 0.88                     | 1.63      | 2022      | 2.9                      | 13.6      | <b>9.9</b>               | 0.70   | 1.00  | C43             |
| Other skin                   | 181        | 0.2       | 1.3                      | <b>0.8</b>   | 0.04                     | 0.08      | 143       | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 185        | 0.2       | 1.3                      | <b>0.8</b>   | 0.02                     | 0.09      | 66        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 40         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 8         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 535        | 0.7       | 3.8                      | <b>2.9</b>   | 0.17                     | 0.27      | 475       | 0.7                      | 3.2       | <b>2.3</b>               | 0.14   | 0.22  | C47+C49         |
| Breast                       | 163        | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                     | 0.09      | 19396     | 27.5                     | 130.3     | <b>83.2</b>              | 5.84   | 9.62  | C50             |
| Vulva                        |            |           |                          |              |                          |           | 485       | 0.7                      | 3.3       | <b>1.9</b>               | 0.13   | 0.21  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 112       | 0.2                      | 0.8       | <b>0.4</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 1269      | 1.8                      | 8.5       | <b>6.6</b>               | 0.51   | 0.64  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 3943      | 5.6                      | 26.5      | <b>17.0</b>              | 1.20   | 2.06  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 172       | 0.2                      | 1.2       | <b>0.6</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 2003      | 2.8                      | 13.5      | <b>8.4</b>               | 0.56   | 0.98  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 97        | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 9         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 115        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 19013      | 25.1      | 134.2                    | <b>93.5</b>  | 4.91                     | 12.87     |           |                          |           |                          |        |       | C61             |
| Testis                       | 669        | 0.9       | 4.7                      | <b>4.6</b>   | 0.33                     | 0.34      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 26         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2963       | 3.9       | 20.9                     | <b>14.7</b>  | 0.90                     | 1.76      | 1867      | 2.7                      | 12.5      | <b>7.8</b>               | 0.48   | 0.91  | C64             |
| Renal pelvis                 | 131        | 0.2       | 0.9                      | <b>0.6</b>   | 0.02                     | 0.07      | 105       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 96         | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.06      | 51        | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 4752       | 6.3       | 33.5                     | <b>21.0</b>  | 0.89                     | 2.47      | 1536      | 2.2                      | 10.3      | <b>5.2</b>               | 0.24   | 0.62  | C67             |
| Other urinary organs         | 44         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 21        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 134        | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.08      | 129       | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 1115       | 1.5       | 7.9                      | <b>6.4</b>   | 0.41                     | 0.64      | 975       | 1.4                      | 6.6       | <b>5.1</b>               | 0.32   | 0.47  | C70-72          |
| Thyroid                      | 721        | 1.0       | 5.1                      | <b>4.0</b>   | 0.30                     | 0.45      | 2190      | 3.1                      | 14.7      | <b>11.9</b>              | 0.93   | 1.15  | C73             |
| Adrenal gland                | 47         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.03      | 38        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 25         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 20        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 442        | 0.6       | 3.1                      | <b>2.8</b>   | 0.19                     | 0.23      | 386       | 0.5                      | 2.6       | <b>2.2</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 3008       | 4.0       | 21.2                     | <b>14.6</b>  | 0.80                     | 1.63      | 2782      | 3.9                      | 18.7      | <b>10.7</b>              | 0.60   | 1.26  | C82-85,C96      |
| Immunoproliferative diseases | 61         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.02      | 52        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 985        | 1.3       | 7.0                      | <b>4.6</b>   | 0.21                     | 0.55      | 860       | 1.2                      | 5.8       | <b>3.1</b>               | 0.16   | 0.38  | C90             |
| Lymphoid leukaemia           | 1072       | 1.4       | 7.6                      | <b>5.8</b>   | 0.28                     | 0.59      | 717       | 1.0                      | 4.8       | <b>3.2</b>               | 0.16   | 0.28  | C91             |
| Myeloid leukaemia            | 983        | 1.3       | 6.9                      | <b>4.9</b>   | 0.24                     | 0.49      | 795       | 1.1                      | 5.3       | <b>3.2</b>               | 0.19   | 0.32  | C92-94          |
| Leukaemia unspecified        | 178        | 0.2       | 1.3                      | <b>0.7</b>   | 0.02                     | 0.05      | 157       | 0.2                      | 1.1       | <b>0.4</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 279        | 0.4       | 2.0                      | <b>1.3</b>   | 0.07                     | 0.14      | 287       | 0.4                      | 1.9       | <b>1.0</b>               | 0.05   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 710        | 0.9       | 5.0                      | <b>2.8</b>   | 0.09                     | 0.29      | 518       | 0.7                      | 3.5       | <b>1.6</b>               | 0.06   | 0.18  | MDS             |
| Other and unspecified        | 1750       | 2.3       | 12.4                     | <b>7.8</b>   | 0.38                     | 0.85      | 1982      | 2.8                      | 13.3      | <b>6.3</b>               | 0.29   | 0.70  | O&U             |
| All sites                    | 75907      |           | 535.7                    | <b>365.9</b> | 19.36                    | 44.66     | 70589     |                          | 474.3     | <b>285.9</b>             | 17.67  | 32.83 | C00-96          |
| All sites except C44         | 75726      | 100.0     | 534.4                    | <b>365.0</b> | 19.32                    | 44.57     | 70446     | 100.0                    | 473.4     | <b>285.3</b>             | 17.63  | 32.76 | C00-96 exc. C44 |

§Includes 1 case of unknown age

## USA, Missouri: Black (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 42         | 0.6       | 2.6                      | <b>2.7</b>   | 0.23                     | 0.33      | 20        | 0.3                      | 1.1       | <b>0.9</b>               | 0.07   | 0.10  | C01-02          |
| Mouth                        | 38         | 0.6       | 2.4                      | <b>2.5</b>   | 0.18                     | 0.33      | 23        | 0.4                      | 1.3       | <b>1.0</b>               | 0.08   | 0.11  | C03-06          |
| Salivary glands              | 16         | 0.2       | 1.0                      | <b>1.0</b>   | 0.07                     | 0.09      | 15        | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C07-08          |
| Tonsil                       | 38         | 0.6       | 2.4                      | <b>2.4</b>   | 0.21                     | 0.29      | 13        | 0.2                      | 0.7       | <b>0.7</b>               | 0.06   | 0.09  | C09             |
| Other oropharynx             | 18         | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.11      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 18         | 0.3       | 1.1                      | <b>1.0</b>   | 0.08                     | 0.08      | 7         | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.04  | C11             |
| Hypopharynx                  | 39         | 0.6       | 2.4                      | <b>2.5</b>   | 0.12                     | 0.30      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 6          | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 135        | 2.0       | 8.4                      | <b>8.6</b>   | 0.47                     | 1.08      | 54        | 0.8                      | 3.0       | <b>2.5</b>               | 0.14   | 0.30  | C15             |
| Stomach                      | 152        | 2.2       | 9.4                      | <b>9.8</b>   | 0.43                     | 1.24      | 103       | 1.6                      | 5.7       | <b>4.1</b>               | 0.19   | 0.44  | C16             |
| Small intestine              | 44         | 0.6       | 2.7                      | <b>2.9</b>   | 0.16                     | 0.41      | 37        | 0.6                      | 2.0       | <b>1.6</b>               | 0.10   | 0.16  | C17             |
| Colon                        | 545        | 8.0       | 33.8                     | <b>34.6</b>  | 1.69                     | 4.07      | 605       | 9.4                      | 33.3      | <b>25.0</b>              | 1.39   | 2.81  | C18             |
| Rectum                       | 213        | 3.1       | 13.2                     | <b>13.6</b>  | 0.83                     | 1.58      | 183       | 2.8                      | 10.1      | <b>8.0</b>               | 0.50   | 0.98  | C19-20          |
| Anus                         | 22         | 0.3       | 1.4                      | <b>1.4</b>   | 0.09                     | 0.15      | 34        | 0.5                      | 1.9       | <b>1.6</b>               | 0.11   | 0.18  | C21             |
| Liver                        | 263        | 3.9       | 16.3                     | <b>16.7</b>  | 1.26                     | 2.04      | 76        | 1.2                      | 4.2       | <b>3.3</b>               | 0.19   | 0.39  | C22             |
| Gallbladder etc.             | 36         | 0.5       | 2.2                      | <b>2.3</b>   | 0.05                     | 0.30      | 43        | 0.7                      | 2.4       | <b>1.7</b>               | 0.07   | 0.20  | C23-24          |
| Pancreas                     | 223        | 3.3       | 13.8                     | <b>14.7</b>  | 0.85                     | 1.86      | 222       | 3.5                      | 12.2      | <b>9.0</b>               | 0.46   | 1.01  | C25             |
| Nose, sinuses etc.           | 12         | 0.2       | 0.7                      | <b>0.8</b>   | 0.07                     | 0.09      | 6         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 129        | 1.9       | 8.0                      | <b>8.1</b>   | 0.51                     | 1.00      | 41        | 0.6                      | 2.3       | <b>1.9</b>               | 0.16   | 0.24  | C32             |
| Trachea, bronchus and lung   | 1264       | 18.6      | 78.3                     | <b>82.4</b>  | 4.11                     | 10.75     | 1026      | 16.0                     | 56.4      | <b>45.7</b>              | 2.39   | 5.82  | C33-34          |
| Other thoracic organs        | 10         | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 7         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C37-38          |
| Bone                         | 18         | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.11      | 19        | 0.3                      | 1.0       | <b>0.9</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 5          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 8         | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C43             |
| Other skin                   | 9          | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.04      | 24        | 0.4                      | 1.3       | <b>1.2</b>               | 0.10   | 0.11  | C44             |
| Mesothelioma                 | 5          | 0.1       | 0.3                      | <b>0.3</b>   | 0.00                     | 0.00      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C45             |
| Kaposi sarcoma               | 14         | 0.2       | 0.9                      | <b>0.9</b>   | 0.08                     | 0.08      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 48         | 0.7       | 3.0                      | <b>2.9</b>   | 0.19                     | 0.30      | 56        | 0.9                      | 3.1       | <b>2.7</b>               | 0.18   | 0.27  | C47+C49         |
| Breast                       | 19         | 0.3       | 1.2                      | <b>1.2</b>   | 0.07                     | 0.14      | 1836      | 28.6                     | 101.0     | <b>83.2</b>              | 5.96   | 9.41  | C50             |
| Vulva                        |            |           |                          |              |                          |           | 36        | 0.6                      | 2.0       | <b>1.7</b>               | 0.13   | 0.19  | C51             |
| Vagina                       |            |           |                          |              |                          |           | 16        | 0.2                      | 0.9       | <b>0.7</b>               | 0.04   | 0.08  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |           | 208       | 3.2                      | 11.4      | <b>9.9</b>               | 0.75   | 1.04  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |           | 291       | 4.5                      | 16.0      | <b>13.6</b>              | 0.97   | 1.69  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |           | 15        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C55             |
| Ovary                        |            |           |                          |              |                          |           | 138       | 2.1                      | 7.6       | <b>6.3</b>               | 0.39   | 0.78  | C56             |
| Other female genital organs  |            |           |                          |              |                          |           | 7         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |            |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 5          | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 2066       | 30.4      | 128.0                    | <b>139.9</b> | 8.30                     | 18.48     |           |                          |           |                          |        |       | C61             |
| Testis                       | 16         | 0.2       | 1.0                      | <b>1.0</b>   | 0.07                     | 0.07      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 276        | 4.1       | 17.1                     | <b>17.7</b>  | 1.20                     | 2.12      | 205       | 3.2                      | 11.3      | <b>9.4</b>               | 0.61   | 1.08  | C64             |
| Renal pelvis                 | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 5         | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 6          | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.06      | 4         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 201        | 3.0       | 12.5                     | <b>12.6</b>  | 0.50                     | 1.36      | 91        | 1.4                      | 5.0       | <b>3.6</b>               | 0.13   | 0.39  | C67             |
| Other urinary organs         | 7          | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.06      | 3         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 9          | 0.1       | 0.6                      | <b>0.7</b>   | 0.04                     | 0.04      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 58         | 0.9       | 3.6                      | <b>3.8</b>   | 0.27                     | 0.34      | 58        | 0.9                      | 3.2       | <b>2.8</b>               | 0.17   | 0.28  | C70-72          |
| Thyroid                      | 39         | 0.6       | 2.4                      | <b>2.3</b>   | 0.16                     | 0.25      | 181       | 2.8                      | 10.0      | <b>8.9</b>               | 0.77   | 0.94  | C73             |
| Adrenal gland                | 6          | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C74             |
| Other endocrine              | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 50         | 0.7       | 3.1                      | <b>3.1</b>   | 0.24                     | 0.28      | 40        | 0.6                      | 2.2       | <b>2.1</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 181        | 2.7       | 11.2                     | <b>11.2</b>  | 0.74                     | 1.14      | 177       | 2.8                      | 9.7       | <b>8.2</b>               | 0.55   | 0.88  | C82-85,C96      |
| Immunoproliferative diseases | 2          | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.03      | 4         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 140        | 2.1       | 8.7                      | <b>9.1</b>   | 0.48                     | 1.13      | 138       | 2.1                      | 7.6       | <b>6.3</b>               | 0.37   | 0.77  | C90             |
| Lymphoid leukaemia           | 77         | 1.1       | 4.8                      | <b>5.0</b>   | 0.27                     | 0.50      | 47        | 0.7                      | 2.6       | <b>2.2</b>               | 0.12   | 0.22  | C91             |
| Myeloid leukaemia            | 62         | 0.9       | 3.8                      | <b>3.9</b>   | 0.19                     | 0.40      | 55        | 0.9                      | 3.0       | <b>2.5</b>               | 0.16   | 0.26  | C92-94          |
| Leukaemia unspecified        | 12         | 0.2       | 0.7                      | <b>0.6</b>   | 0.02                     | 0.05      | 14        | 0.2                      | 0.8       | <b>0.4</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 15         | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.10      | 22        | 0.3                      | 1.2       | <b>0.9</b>               | 0.04   | 0.09  | MPD             |
| Myelodysplastic syndromes    | 35         | 0.5       | 2.2                      | <b>2.3</b>   | 0.07                     | 0.26      | 34        | 0.5                      | 1.9       | <b>1.3</b>               | 0.05   | 0.17  | MDS             |
| Other and unspecified        | 146        | 2.2       | 9.0                      | <b>8.8</b>   | 0.41                     | 0.85      | 178       | 2.8                      | 9.8       | <b>6.8</b>               | 0.37   | 0.65  | O&U             |
| All sites                    | 6794       |           | 420.9                    | <b>442.2</b> | 25.10                    | 54.46     | 6446      |                          | 354.6     | <b>287.0</b>             | 18.27  | 32.87 | C00-96          |
| All sites except C44         | 6785       | 100.0     | 420.3                    | <b>441.7</b> | 25.06                    | 54.41     | 6422      | 100.0                    | 353.3     | <b>285.9</b>             | 18.17  | 32.76 | C00-96 exc. C44 |

§Includes 1 case of unknown age

## USA, Missouri: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 176       | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                     | 0.12      | 41        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 596       | 0.9       | 4.9                      | <b>3.4</b>   | 0.26                     | 0.39      | 231       | 0.4                      | 1.8       | <b>1.1</b>               | 0.08   | 0.14  | C01-02          |
| Mouth                        | 396       | 0.6       | 3.2                      | <b>2.2</b>   | 0.14                     | 0.27      | 265       | 0.4                      | 2.1       | <b>1.2</b>               | 0.07   | 0.14  | C03-06          |
| Salivary glands              | 169       | 0.2       | 1.4                      | <b>0.8</b>   | 0.04                     | 0.09      | 140       | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 474       | 0.7       | 3.9                      | <b>2.8</b>   | 0.24                     | 0.32      | 91        | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 121       | 0.2       | 1.0                      | <b>0.7</b>   | 0.06                     | 0.09      | 36        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 69        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.04      | 21        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 160       | 0.2       | 1.3                      | <b>0.9</b>   | 0.06                     | 0.10      | 29        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 44        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                     | 0.03      | 16        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1173      | 1.7       | 9.6                      | <b>6.1</b>   | 0.35                     | 0.77      | 292       | 0.5                      | 2.3       | <b>1.1</b>               | 0.06   | 0.12  | C15             |
| Stomach                      | 929       | 1.4       | 7.6                      | <b>4.6</b>   | 0.24                     | 0.53      | 532       | 0.8                      | 4.2       | <b>2.0</b>               | 0.11   | 0.22  | C16             |
| Small intestine              | 313       | 0.5       | 2.6                      | <b>1.7</b>   | 0.10                     | 0.20      | 250       | 0.4                      | 2.0       | <b>1.1</b>               | 0.07   | 0.13  | C17             |
| Colon                        | 5006      | 7.4       | 40.9                     | <b>24.6</b>  | 1.13                     | 2.85      | 5340      | 8.5                      | 41.9      | <b>19.0</b>              | 0.89   | 2.15  | C18             |
| Rectum                       | 2242      | 3.3       | 18.3                     | <b>11.7</b>  | 0.69                     | 1.39      | 1504      | 2.4                      | 11.8      | <b>6.3</b>               | 0.39   | 0.71  | C19-20          |
| Anus                         | 177       | 0.3       | 1.4                      | <b>1.0</b>   | 0.07                     | 0.11      | 332       | 0.5                      | 2.6       | <b>1.6</b>               | 0.13   | 0.19  | C21             |
| Liver                        | 987       | 1.5       | 8.1                      | <b>5.2</b>   | 0.36                     | 0.58      | 451       | 0.7                      | 3.5       | <b>1.8</b>               | 0.09   | 0.22  | C22             |
| Gallbladder etc.             | 290       | 0.4       | 2.4                      | <b>1.4</b>   | 0.05                     | 0.16      | 387       | 0.6                      | 3.0       | <b>1.3</b>               | 0.06   | 0.14  | C23-24          |
| Pancreas                     | 1616      | 2.4       | 13.2                     | <b>8.0</b>   | 0.39                     | 0.96      | 1701      | 2.7                      | 13.3      | <b>6.0</b>               | 0.27   | 0.70  | C25             |
| Nose, sinuses etc.           | 89        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06      | 80        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 920       | 1.4       | 7.5                      | <b>5.0</b>   | 0.31                     | 0.64      | 253       | 0.4                      | 2.0       | <b>1.3</b>               | 0.09   | 0.16  | C32             |
| Trachea, bronchus and lung   | 12806     | 18.9      | 104.5                    | <b>64.7</b>  | 2.97                     | 8.32      | 9955      | 15.8                     | 78.1      | <b>42.1</b>              | 2.11   | 5.54  | C33-34          |
| Other thoracic organs        | 53        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 37        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 166       | 0.2       | 1.4                      | <b>1.2</b>   | 0.07                     | 0.10      | 107       | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 2767      | 4.1       | 22.6                     | <b>15.3</b>  | 0.96                     | 1.77      | 1972      | 3.1                      | 15.5      | <b>11.1</b>              | 0.79   | 1.12  | C43             |
| Other skin                   | 170       | 0.3       | 1.4                      | <b>0.8</b>   | 0.04                     | 0.09      | 113       | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.05  | C44             |
| Mesothelioma                 | 179       | 0.3       | 1.5                      | <b>0.8</b>   | 0.02                     | 0.10      | 61        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 24        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 7         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 476       | 0.7       | 3.9                      | <b>2.8</b>   | 0.17                     | 0.27      | 408       | 0.6                      | 3.2       | <b>2.3</b>               | 0.14   | 0.22  | C47+C49         |
| Breast                       | 143       | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                     | 0.09      | 17292     | 27.4                     | 135.7     | <b>83.2</b>              | 5.84   | 9.65  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 446       | 0.7                      | 3.5       | <b>2.0</b>               | 0.13   | 0.22  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 95        | 0.2                      | 0.7       | <b>0.4</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 1029      | 1.6                      | 8.1       | <b>6.2</b>               | 0.48   | 0.59  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 3597      | 5.7                      | 28.2      | <b>17.4</b>              | 1.24   | 2.11  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 153       | 0.2                      | 1.2       | <b>0.5</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 1834      | 2.9                      | 14.4      | <b>8.6</b>               | 0.58   | 1.00  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 89        | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 108       | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 16571     | 24.4      | 135.3                    | <b>88.9</b>  | 4.59                     | 12.30     |           |                          |           |                          |        |       | C61             |
| Testis                       | 638       | 0.9       | 5.2                      | <b>5.1</b>   | 0.37                     | 0.38      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 26        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2656      | 3.9       | 21.7                     | <b>14.5</b>  | 0.88                     | 1.73      | 1643      | 2.6                      | 12.9      | <b>7.6</b>               | 0.47   | 0.90  | C64             |
| Renal pelvis                 | 129       | 0.2       | 1.1                      | <b>0.6</b>   | 0.02                     | 0.07      | 99        | 0.2                      | 0.8       | <b>0.4</b>               | 0.01   | 0.05  | C65             |
| Ureter                       | 90        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.06      | 47        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 4495      | 6.6       | 36.7                     | <b>21.7</b>  | 0.93                     | 2.57      | 1431      | 2.3                      | 11.2      | <b>5.4</b>               | 0.25   | 0.65  | C67             |
| Other urinary organs         | 37        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.01      | 18        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 120       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.08      | 126       | 0.2                      | 1.0       | <b>0.7</b>               | 0.05   | 0.07  | C69             |
| Brain, nervous system        | 1035      | 1.5       | 8.4                      | <b>6.7</b>   | 0.43                     | 0.67      | 906       | 1.4                      | 7.1       | <b>5.5</b>               | 0.34   | 0.50  | C70-72          |
| Thyroid                      | 659       | 1.0       | 5.4                      | <b>4.1</b>   | 0.31                     | 0.46      | 1947      | 3.1                      | 15.3      | <b>12.2</b>              | 0.95   | 1.17  | C73             |
| Adrenal gland                | 40        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 37        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 22        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 19        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 381       | 0.6       | 3.1                      | <b>2.8</b>   | 0.19                     | 0.23      | 338       | 0.5                      | 2.7       | <b>2.3</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 2792      | 4.1       | 22.8                     | <b>14.9</b>  | 0.81                     | 1.67      | 2564      | 4.1                      | 20.1      | <b>10.9</b>              | 0.60   | 1.29  | C82-85,C96      |
| Immunoproliferative diseases | 58        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                     | 0.02      | 47        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C88             |
| Multiple myeloma             | 830       | 1.2       | 6.8                      | <b>4.2</b>   | 0.19                     | 0.49      | 713       | 1.1                      | 5.6       | <b>2.8</b>               | 0.13   | 0.34  | C90             |
| Lymphoid leukaemia           | 981       | 1.4       | 8.0                      | <b>5.9</b>   | 0.29                     | 0.59      | 664       | 1.1                      | 5.2       | <b>3.4</b>               | 0.17   | 0.29  | C91             |
| Myeloid leukaemia            | 902       | 1.3       | 7.4                      | <b>4.9</b>   | 0.24                     | 0.50      | 723       | 1.1                      | 5.7       | <b>3.3</b>               | 0.19   | 0.33  | C92-94          |
| Leukaemia unspecified        | 164       | 0.2       | 1.3                      | <b>0.7</b>   | 0.02                     | 0.05      | 142       | 0.2                      | 1.1       | <b>0.4</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 261       | 0.4       | 2.1                      | <b>1.3</b>   | 0.07                     | 0.14      | 259       | 0.4                      | 2.0       | <b>1.0</b>               | 0.05   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 665       | 1.0       | 5.4                      | <b>2.9</b>   | 0.09                     | 0.29      | 471       | 0.7                      | 3.7       | <b>1.6</b>               | 0.06   | 0.17  | MDS             |
| Other and unspecified        | 1586      | 2.3       | 12.9                     | <b>7.7</b>   | 0.37                     | 0.85      | 1773      | 2.8                      | 13.9      | <b>6.3</b>               | 0.28   | 0.70  | O&U             |
| All sites                    | 67977     |           | 554.9                    | <b>358.9</b> | 18.86                    | 43.75     | 63162     |                          | 495.6     | <b>286.5</b>             | 17.67  | 32.89 | C00-96          |
| All sites except C44         | 67807     | 100.0     | 553.5                    | <b>358.0</b> | 18.81                    | 43.67     | 63049     | 100.0                    | 494.8     | <b>286.0</b>             | 17.64  | 32.84 | C00-96 exc. C44 |



# USA, Montana

## REGISTRATION AREA

The Montana Central Tumor Registry (MCTR) covers the state of Montana, which had a population of 989 000 in 2010 (ranking 44th largest in the USA). Montana is a rural state; all but one of its 56 counties are considered rural or frontier as defined by their 2000 census population densities. Montana's population is 92% White. American Indians make up 8% of the population, and all other races account for less than 1%. Montana's ageing population is not evenly distributed; part of the state is heavily populated and other areas are very sparsely populated.

## CANCER CARE FACILITIES

Cancer care is provided by about 52 hospitals and seven cancer centres approved by the American College of Surgeons Commission on Cancer.

## REGISTRY STRUCTURE AND METHODS

The MCTR was mandated by law in 1979 and has been in operation since. Federal funding for registry enhancement was initially granted in 1995 through the National Program of Cancer Registries (NPCR). The registry is funded with NPCR funds (80%) and state funds (20%). Reportable cases are collected from hospitals, independent pathology laboratories, physicians, clinics, cancer treatment centres, out-of-state registries, and death certificates. Apart from the state hospitals, there are four independent pathology laboratories and 32 out-of-state cancer registries that report incident cancer cases. About 5200 new cancer cases are diagnosed among Montana residents per year. Since 2000, reporting has been nearly 100% complete. Most paediatric cases are treated out of state. The MCTR performs active lifetime follow-up and performs death linkage with the state's Office of Vital Statistics and the National Death Index.

## INTERPRETING THE RESULTS

The Montana Cancer Screening Program supports comprehensive cancer control in the state by providing ongoing screening services and education to Montana men and women in a manner that is appropriate, accessible, cost-effective, and sensitive to the clients'

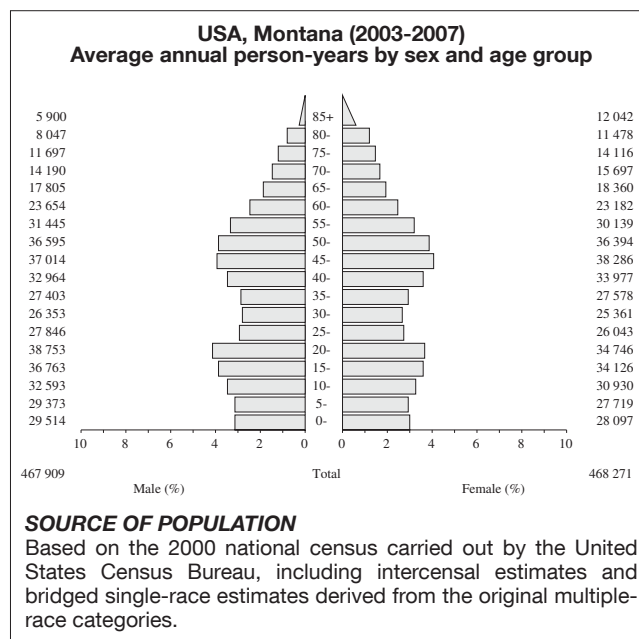
needs. Screening services include mammograms, clinical breast exams, Pap tests, and pelvic exams for the early detection of breast and cervical cancers, and colonoscopies and faecal occult blood tests (FOBTs) for the early detection of colorectal cancer. Diagnostic testing is also provided for follow-up of abnormal screening tests.

## USE OF THE DATA

As part of the registry's Coordinated Chronic Disease Prevention and Health Promotion effort, the MCTR's epidemiologist works closely with other chronic disease programmes to increase the collaborative use of surveillance data to better describe the burden of chronic disease in Montana. These collaborations include cross-programme data analysis and programme evaluation projects.

## CONTRIBUTOR

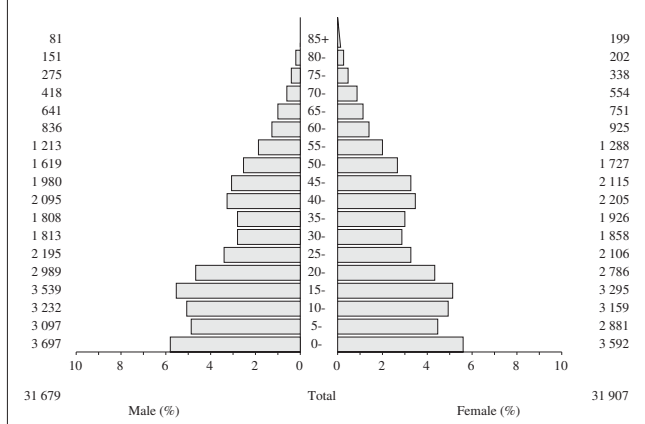
Debbi Lemons



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 117.7 | Breast                     | 85.9  |
| Trachea, bronchus and lung | 45.0  | Trachea, bronchus and lung | 37.4  |
| Bladder                    | 22.3  | Colon                      | 18.0  |
| Colon                      | 20.6  | Corpus uteri               | 17.1  |
| Non-Hodgkin lymphoma       | 15.0  | Thyroid                    | 14.5  |
| Melanoma of skin           | 13.5  | Melanoma of skin           | 12.2  |
| Rectum                     | 11.0  | Ovary                      | 9.5   |
| Kidney                     | 10.9  | Non-Hodgkin lymphoma       | 8.9   |
| Pancreas                   | 8.1   | Rectum                     | 6.7   |
| Brain, nervous system      | 7.3   | Kidney                     | 6.2   |
| All sites                  | 351.2 | All sites                  | 280.9 |

**USA, Montana: American Indian (2003-2007)**  
Average annual person-years by sex and age group



**USA, MONTANA: AMERICAN INDIAN**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

|                            | Male  |                            | Female |
|----------------------------|-------|----------------------------|--------|
| Prostate                   | 96.8  | Breast                     | 90.8   |
| Trachea, bronchus and lung | 68.4  | Trachea, bronchus and lung | 61.9   |
| Colon                      | 32.4  | Colon                      | 23.0   |
| Kidney                     | 23.7  | Corpus uteri               | 20.4   |
| Bladder                    | 23.1  | Other and unspecified      | 15.9   |
| Rectum                     | 19.5  | Kidney                     | 14.0   |
| Non-Hodgkin lymphoma       | 17.4  | Non-Hodgkin lymphoma       | 11.8   |
| Stomach                    | 11.5  | Thyroid                    | 11.2   |
| Liver                      | 11.4  | Ovary                      | 8.5    |
| Pancreas                   | 9.0   | Stomach                    | 8.5    |
| All sites                  | 401.5 | All sites                  | 358.1  |



## USA, Montana (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 64        | 0.5       | 2.7                      | 1.6       | 0.09                     | 0.16      | 14        | 0.1                      | 0.6       | 0.4                      | 0.03   | 0.03  | C00             |
| Tongue                       | 88        | 0.7       | 3.8                      | 2.5       | 0.20                     | 0.30      | 31        | 0.3                      | 1.3       | 0.8                      | 0.06   | 0.09  | C01-02          |
| Mouth                        | 58        | 0.4       | 2.5                      | 1.5       | 0.09                     | 0.19      | 40        | 0.4                      | 1.7       | 0.8                      | 0.03   | 0.10  | C03-06          |
| Salivary glands              | 50        | 0.4       | 2.1                      | 1.3       | 0.07                     | 0.15      | 21        | 0.2                      | 0.9       | 0.5                      | 0.04   | 0.05  | C07-08          |
| Tonsil                       | 69        | 0.5       | 2.9                      | 2.0       | 0.18                     | 0.22      | 15        | 0.1                      | 0.6       | 0.5                      | 0.03   | 0.06  | C09             |
| Other oropharynx             | 18        | 0.1       | 0.8                      | 0.5       | 0.03                     | 0.08      | 7         | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 13        | 0.1       | 0.6                      | 0.4       | 0.03                     | 0.05      | 7         | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 22        | 0.2       | 0.9                      | 0.6       | 0.02                     | 0.09      | 5         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.02  | C12-13          |
| Pharynx unspecified          | 8         | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02      | 4         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 193       | 1.5       | 8.2                      | 5.2       | 0.31                     | 0.66      | 58        | 0.5                      | 2.5       | 1.3                      | 0.08   | 0.16  | C15             |
| Stomach                      | 184       | 1.4       | 7.9                      | 4.7       | 0.23                     | 0.54      | 111       | 1.0                      | 4.7       | 2.4                      | 0.13   | 0.26  | C16             |
| Small intestine              | 35        | 0.3       | 1.5                      | 0.9       | 0.03                     | 0.10      | 39        | 0.3                      | 1.7       | 1.0                      | 0.06   | 0.12  | C17             |
| Colon                        | 819       | 6.3       | 35.0                     | 20.6      | 0.86                     | 2.50      | 865       | 7.7                      | 36.9      | 18.0                     | 0.85   | 2.09  | C18             |
| Rectum                       | 410       | 3.1       | 17.5                     | 11.0      | 0.63                     | 1.41      | 266       | 2.4                      | 11.4      | 6.7                      | 0.41   | 0.84  | C19-20          |
| Anus                         | 23        | 0.2       | 1.0                      | 0.6       | 0.03                     | 0.09      | 48        | 0.4                      | 2.1       | 1.3                      | 0.08   | 0.15  | C21             |
| Liver                        | 128       | 1.0       | 5.5                      | 3.4       | 0.23                     | 0.36      | 72        | 0.6                      | 3.1       | 1.6                      | 0.07   | 0.19  | C22             |
| Gallbladder etc.             | 47        | 0.4       | 2.0                      | 1.1       | 0.03                     | 0.16      | 57        | 0.5                      | 2.4       | 1.1                      | 0.03   | 0.14  | C23-24          |
| Pancreas                     | 316       | 2.4       | 13.5                     | 8.1       | 0.39                     | 1.02      | 290       | 2.6                      | 12.4      | 5.9                      | 0.30   | 0.65  | C25             |
| Nose, sinuses etc.           | 18        | 0.1       | 0.8                      | 0.5       | 0.03                     | 0.04      | 7         | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C30-31          |
| Larynx                       | 127       | 1.0       | 5.4                      | 3.4       | 0.18                     | 0.43      | 48        | 0.4                      | 2.1       | 1.4                      | 0.08   | 0.20  | C32             |
| Trachea, bronchus and lung   | 1817      | 13.9      | 77.7                     | 45.0      | 1.73                     | 5.72      | 1652      | 14.8                     | 70.6      | 37.4                     | 1.68   | 4.88  | C33-34          |
| Other thoracic organs        | 13        | 0.1       | 0.6                      | 0.4       | 0.02                     | 0.04      | 6         | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 34        | 0.3       | 1.5                      | 1.1       | 0.07                     | 0.10      | 29        | 0.3                      | 1.2       | 1.1                      | 0.07   | 0.09  | C40-41          |
| Melanoma of skin             | 480       | 3.7       | 20.5                     | 13.5      | 0.86                     | 1.43      | 396       | 3.5                      | 16.9      | 12.2                     | 0.93   | 1.21  | C43             |
| Other skin                   | 31        | 0.2       | 1.3                      | 0.9       | 0.05                     | 0.10      | 44        | 0.4                      | 1.9       | 1.2                      | 0.07   | 0.12  | C44             |
| Mesothelioma                 | 51        | 0.4       | 2.2                      | 1.3       | 0.05                     | 0.15      | 15        | 0.1                      | 0.6       | 0.3                      | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 5         | 0.0       | 0.2                      | 0.2       | 0.02                     | 0.02      | 1         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 79        | 0.6       | 3.4                      | 2.4       | 0.13                     | 0.23      | 68        | 0.6                      | 2.9       | 1.8                      | 0.11   | 0.19  | C47+C49         |
| Breast                       | 20        | 0.2       | 0.9                      | 0.5       | 0.03                     | 0.06      | 3256      | 29.1                     | 139.1     | 85.9                     | 5.97   | 10.00 | C50             |
| Vulva                        |           |           |                          |           |                          |           | 75        | 0.7                      | 3.2       | 1.7                      | 0.11   | 0.19  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 17        | 0.2                      | 0.7       | 0.3                      | 0.02   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 140       | 1.3                      | 6.0       | 4.5                      | 0.37   | 0.42  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 654       | 5.8                      | 27.9      | 17.1                     | 1.22   | 2.09  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 388       | 3.5                      | 16.6      | 9.5                      | 0.62   | 1.06  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 13        | 0.1                      | 0.6       | 0.4                      | 0.02   | 0.05  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 4         | 0.0                      | 0.2       | 0.2                      | 0.01   | 0.01  | C58             |
| Penis                        | 18        | 0.1       | 0.8                      | 0.5       | 0.03                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 4340      | 33.2      | 185.5                    | 117.7     | 5.95                     | 16.19     |           |                          |           |                          |        |       | C61             |
| Testis                       | 132       | 1.0       | 5.6                      | 5.5       | 0.42                     | 0.43      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 390       | 3.0       | 16.7                     | 10.9      | 0.60                     | 1.35      | 236       | 2.1                      | 10.1      | 6.2                      | 0.35   | 0.77  | C64             |
| Renal pelvis                 | 20        | 0.2       | 0.9                      | 0.4       | 0.01                     | 0.03      | 10        | 0.1                      | 0.4       | 0.2                      | 0.02   | 0.03  | C65             |
| Ureter                       | 13        | 0.1       | 0.6                      | 0.3       | 0.01                     | 0.04      | 8         | 0.1                      | 0.3       | 0.2                      | 0.00   | 0.02  | C66             |
| Bladder                      | 924       | 7.1       | 39.5                     | 22.3      | 0.93                     | 2.54      | 267       | 2.4                      | 11.4      | 5.7                      | 0.25   | 0.67  | C67             |
| Other urinary organs         | 1         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 4         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 31        | 0.2       | 1.3                      | 0.8       | 0.04                     | 0.08      | 23        | 0.2                      | 1.0       | 0.7                      | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 222       | 1.7       | 9.5                      | 7.3       | 0.46                     | 0.75      | 139       | 1.2                      | 5.9       | 4.2                      | 0.25   | 0.42  | C70-72          |
| Thyroid                      | 121       | 0.9       | 5.2                      | 3.8       | 0.26                     | 0.41      | 413       | 3.7                      | 17.6      | 14.5                     | 1.13   | 1.35  | C73             |
| Adrenal gland                | 5         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.02      | 12        | 0.1                      | 0.5       | 0.5                      | 0.03   | 0.03  | C74             |
| Other endocrine              | 9         | 0.1       | 0.4                      | 0.4       | 0.02                     | 0.03      | 3         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 71        | 0.5       | 3.0                      | 2.8       | 0.19                     | 0.23      | 44        | 0.4                      | 1.9       | 1.7                      | 0.10   | 0.14  | C81             |
| Non-Hodgkin lymphoma         | 550       | 4.2       | 23.5                     | 15.0      | 0.77                     | 1.76      | 420       | 3.8                      | 17.9      | 8.9                      | 0.42   | 1.01  | C82-85,C96      |
| Immunoproliferative diseases | 9         | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.03      | 3         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 164       | 1.3       | 7.0                      | 4.2       | 0.18                     | 0.56      | 132       | 1.2                      | 5.6       | 2.9                      | 0.17   | 0.35  | C90             |
| Lymphoid leukaemia           | 207       | 1.6       | 8.8                      | 6.4       | 0.29                     | 0.70      | 139       | 1.2                      | 5.9       | 3.8                      | 0.18   | 0.38  | C91             |
| Myeloid leukaemia            | 188       | 1.4       | 8.0                      | 5.4       | 0.25                     | 0.51      | 144       | 1.3                      | 6.2       | 3.7                      | 0.18   | 0.37  | C92-94          |
| Leukaemia unspecified        | 10        | 0.1       | 0.4                      | 0.2       | 0.00                     | 0.02      | 9         | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 82        | 0.6       | 3.5                      | 2.2       | 0.11                     | 0.25      | 84        | 0.8                      | 3.6       | 1.7                      | 0.09   | 0.17  | MPD             |
| Myelodysplastic syndromes    | 122       | 0.9       | 5.2                      | 2.5       | 0.05                     | 0.22      | 108       | 1.0                      | 4.6       | 1.7                      | 0.03   | 0.15  | MDS             |
| Other and unspecified        | 264       | 2.0       | 11.3                     | 6.7       | 0.32                     | 0.76      | 282       | 2.5                      | 12.0      | 5.6                      | 0.25   | 0.62  | O&U             |
| All sites                    | 13116     |           | 560.6                    | 351.2     | 17.57                    | 43.39     | 11243     |                          | 480.2     | 280.9                    | 17.06  | 32.23 | C00-96          |
| All sites except C44         | 13085     | 100.0     | 559.3                    | 350.3     | 17.52                    | 43.28     | 11199     | 100.0                    | 478.3     | 279.7                    | 16.99  | 32.10 | C00-96 exc. C44 |

## USA, Montana: American Indian (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 3         | 0.6       | 1.9                      | <b>2.5</b>   | 0.17                | 0.41                | 1         | 0.2       | 0.6                      | <b>0.9</b>   | 0.11                | 0.11                | C01-02          |
| Mouth                        | 3         | 0.6       | 1.9                      | <b>2.3</b>   | 0.06                | 0.30                | 3         | 0.5       | 1.9                      | <b>1.8</b>   | 0.00                | 0.13                | C03-06          |
| Salivary glands              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 3         | 0.5       | 1.9                      | <b>1.7</b>   | 0.15                | 0.15                | C07-08          |
| Tonsil                       | 2         | 0.4       | 1.3                      | <b>1.6</b>   | 0.17                | 0.17                | 1         | 0.2       | 0.6                      | <b>0.9</b>   | 0.11                | 0.11                | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.03                | 0.03                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C11             |
| Hypopharynx                  | 3         | 0.6       | 1.9                      | <b>2.3</b>   | 0.18                | 0.18                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 1         | 0.2       | 0.6                      | <b>0.7</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 5         | 1.0       | 3.2                      | <b>4.2</b>   | 0.18                | 0.58                | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.00                | 0.00                | C15             |
| Stomach                      | 15        | 3.0       | 9.5                      | <b>11.5</b>  | 0.67                | 1.37                | 14        | 2.6       | 8.8                      | <b>8.5</b>   | 0.64                | 0.77                | C16             |
| Small intestine              | 3         | 0.6       | 1.9                      | <b>3.1</b>   | 0.00                | 0.31                | 1         | 0.2       | 0.6                      | <b>0.7</b>   | 0.00                | 0.18                | C17             |
| Colon                        | 41        | 8.2       | 25.9                     | <b>32.4</b>  | 2.18                | 3.60                | 35        | 6.4       | 21.9                     | <b>23.0</b>  | 1.07                | 2.87                | C18             |
| Rectum                       | 24        | 4.8       | 15.2                     | <b>19.5</b>  | 1.24                | 2.26                | 13        | 2.4       | 8.1                      | <b>8.3</b>   | 0.59                | 0.90                | C19-20          |
| Anus                         | 2         | 0.4       | 1.3                      | <b>1.3</b>   | 0.16                | 0.16                | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.05                | 0.05                | C21             |
| Liver                        | 15        | 3.0       | 9.5                      | <b>11.4</b>  | 0.84                | 1.39                | 12        | 2.2       | 7.5                      | <b>8.4</b>   | 0.19                | 1.08                | C22             |
| Gallbladder etc.             | 6         | 1.2       | 3.8                      | <b>4.4</b>   | 0.17                | 0.57                | 5         | 0.9       | 3.1                      | <b>3.1</b>   | 0.23                | 0.23                | C23-24          |
| Pancreas                     | 11        | 2.2       | 6.9                      | <b>9.0</b>   | 0.55                | 1.34                | 13        | 2.4       | 8.1                      | <b>8.0</b>   | 0.40                | 0.76                | C25             |
| Nose, sinuses etc.           | 1         | 0.2       | 0.6                      | <b>0.7</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C30-31          |
| Larynx                       | 5         | 1.0       | 3.2                      | <b>3.9</b>   | 0.13                | 0.53                | 2         | 0.4       | 1.3                      | <b>1.6</b>   | 0.11                | 0.29                | C32             |
| Trachea, bronchus and lung   | 85        | 17.0      | 53.7                     | <b>68.4</b>  | 2.41                | 8.33                | 92        | 16.8      | 57.7                     | <b>61.9</b>  | 3.13                | 8.16                | C33-34          |
| Other thoracic organs        | 1         | 0.2       | 0.6                      | <b>0.7</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.6                      | <b>0.8</b>   | 0.05                | 0.05                | C37-38          |
| Bone                         | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.05                | 0.05                | 4         | 0.7       | 2.5                      | <b>2.7</b>   | 0.22                | 0.22                | C40-41          |
| Melanoma of skin             | 9         | 1.8       | 5.7                      | <b>7.1</b>   | 0.43                | 0.75                | 3         | 0.5       | 1.9                      | <b>2.2</b>   | 0.16                | 0.16                | C43             |
| Other skin                   | 1         | 0.2       | 0.6                      | <b>1.0</b>   | 0.00                | 0.24                | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.05                | 0.05                | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.00                | 0.00                | C45             |
| Kaposi sarcoma               | 1         | 0.2       | 0.6                      | <b>0.7</b>   | 0.06                | 0.06                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 4         | 0.8       | 2.5                      | <b>2.6</b>   | 0.08                | 0.08                | 5         | 0.9       | 3.1                      | <b>3.0</b>   | 0.23                | 0.23                | C47+C49         |
| Breast                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 141       | 25.8      | 88.4                     | <b>90.8</b>  | 6.35                | 10.06               | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 2         | 0.4       | 1.3                      | <b>1.1</b>   | 0.06                | 0.06                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 2         | 0.4       | 1.3                      | <b>1.4</b>   | 0.11                | 0.11                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 11        | 2.0       | 6.9                      | <b>7.8</b>   | 0.65                | 0.78                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 32        | 5.9       | 20.1                     | <b>20.4</b>  | 1.54                | 1.94                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 13        | 2.4       | 8.1                      | <b>8.5</b>   | 0.61                | 0.92                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 1         | 0.2       | 0.6                      | <b>0.8</b>   | 0.05                | 0.05                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 1         | 0.2       | 0.6                      | <b>0.8</b>   | 0.05                | 0.05                | C58             |
| Penis                        | 3         | 0.6       | 1.9                      | <b>2.2</b>   | 0.25                | 0.25                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 116       | 23.2      | 73.2                     | <b>96.8</b>  | 4.62                | 11.85               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 6         | 1.2       | 3.8                      | <b>4.0</b>   | 0.33                | 0.33                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.06                | 0.06                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 31        | 6.2       | 19.6                     | <b>23.7</b>  | 1.88                | 3.06                | 21        | 3.8       | 13.2                     | <b>14.0</b>  | 0.76                | 2.01                | C64             |
| Renal pelvis                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C66             |
| Bladder                      | 26        | 5.2       | 16.4                     | <b>23.1</b>  | 0.73                | 2.40                | 5         | 0.9       | 3.1                      | <b>3.6</b>   | 0.29                | 0.47                | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.05                | 0.05                | C69             |
| Brain, nervous system        | 12        | 2.4       | 7.6                      | <b>8.3</b>   | 0.60                | 0.84                | 7         | 1.3       | 4.4                      | <b>4.6</b>   | 0.26                | 0.39                | C70-72          |
| Thyroid                      | 3         | 0.6       | 1.9                      | <b>2.1</b>   | 0.20                | 0.20                | 17        | 3.1       | 10.7                     | <b>11.2</b>  | 0.98                | 1.11                | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.6                      | <b>0.7</b>   | 0.03                | 0.03                | C74             |
| Other endocrine              | 1         | 0.2       | 0.6                      | <b>0.7</b>   | 0.06                | 0.06                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 2         | 0.4       | 1.3                      | <b>1.4</b>   | 0.10                | 0.10                | 2         | 0.4       | 1.3                      | <b>1.3</b>   | 0.07                | 0.07                | C81             |
| Non-Hodgkin lymphoma         | 23        | 4.6       | 14.5                     | <b>17.4</b>  | 1.02                | 1.90                | 18        | 3.3       | 11.3                     | <b>11.8</b>  | 0.45                | 1.21                | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C88             |
| Multiple myeloma             | 9         | 1.8       | 5.7                      | <b>7.5</b>   | 0.26                | 1.05                | 8         | 1.5       | 5.0                      | <b>5.6</b>   | 0.48                | 0.66                | C90             |
| Lymphoid leukaemia           | 5         | 1.0       | 3.2                      | <b>3.9</b>   | 0.23                | 0.47                | 6         | 1.1       | 3.8                      | <b>3.6</b>   | 0.12                | 0.30                | C91             |
| Myeloid leukaemia            | 4         | 0.8       | 2.5                      | <b>2.6</b>   | 0.16                | 0.16                | 9         | 1.6       | 5.6                      | <b>6.2</b>   | 0.13                | 0.84                | C92-94          |
| Leukaemia unspecified        | 1         | 0.2       | 0.6                      | <b>0.9</b>   | 0.00                | 0.16                | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                | 0.03                | C95             |
| Myeloproliferative disorders | 4         | 0.8       | 2.5                      | <b>3.8</b>   | 0.17                | 0.41                | 4         | 0.7       | 2.5                      | <b>2.3</b>   | 0.12                | 0.12                | MPD             |
| Myelodysplastic syndromes    | 4         | 0.8       | 2.5                      | <b>3.4</b>   | 0.12                | 0.36                | 7         | 1.3       | 4.4                      | <b>4.2</b>   | 0.08                | 0.34                | MDS             |
| Other and unspecified        | 8         | 1.6       | 5.1                      | <b>6.8</b>   | 0.20                | 0.99                | 24        | 4.4       | 15.0                     | <b>15.9</b>  | 0.73                | 1.80                | O&U             |
| All sites                    | 502       |           | 316.9                    | <b>401.5</b> | 20.77               | 47.37               | 547       |           | 342.9                    | <b>358.1</b> | 21.44               | 39.89               | C00-96          |
| All sites except C44         | 501       | 100.0     | 316.3                    | <b>400.5</b> | 20.77               | 47.13               | 546       | 100.0     | 342.3                    | <b>357.5</b> | 21.39               | 39.85               | C00-96 exc. C44 |

# USA, Nebraska

## REGISTRATION AREA

The Nebraska Cancer Registry (NCR) covers the state of Nebraska, in the Midwestern USA. In 2010, the population was 1.8 million, with about half of all residents living in or near the cities of Omaha and Lincoln. Hispanics are the largest minority group, accounting for 9.2% of the population. The non-Hispanic population is 82.1% White, 4.4% African-American, 1.7% Asian, and 0.8% Native American.

## CANCER CARE FACILITIES

Of the 87 reporting hospitals, 12 have a cancer programme approved by the American College of Surgeons Commission on Cancer. Cancer patients also receive outpatient care at ambulatory surgery centres, radiation therapy centres, cancer clinics, and physicians' offices.

## REGISTRY STRUCTURE AND METHODS

Since 1987, the NCR has gathered data on all Nebraska residents diagnosed with and/or treated for cancer. The NCR receives case reports from every hospital in Nebraska (except Veterans Health Administration facilities), as well as from pathology laboratories and physicians and through exchanges with registries in neighbouring states. The NCR also uses Nebraska death certificates and the National Death Index to identify cases. The registry is managed by the Nebraska Department of Health and Human Services (DHHS). However, the Nebraska Methodist Hospital in Omaha performs data collection, training, and quality assurance, whereas DHHS is responsible for data analysis and reporting. The registry receives federal funds from the National Program of Cancer Registries (NPCR) and state funds from the tobacco tax. The NCR employs four staff members at the Nebraska Methodist Hospital and six at DHHS.

## INTERPRETING THE RESULTS

In 2009, the NCR achieved its 15th consecutive North American Association of Central Cancer Registries (NAACCR) Gold Certification for data completeness, timeliness, and quality. Survey data collected in Nebraska during this period by the telephone-

based Behavioral Risk Factor Surveillance System showed increasing rates of colonoscopy screening for colorectal cancer and slightly decreasing rates of mammography screening for breast cancer.

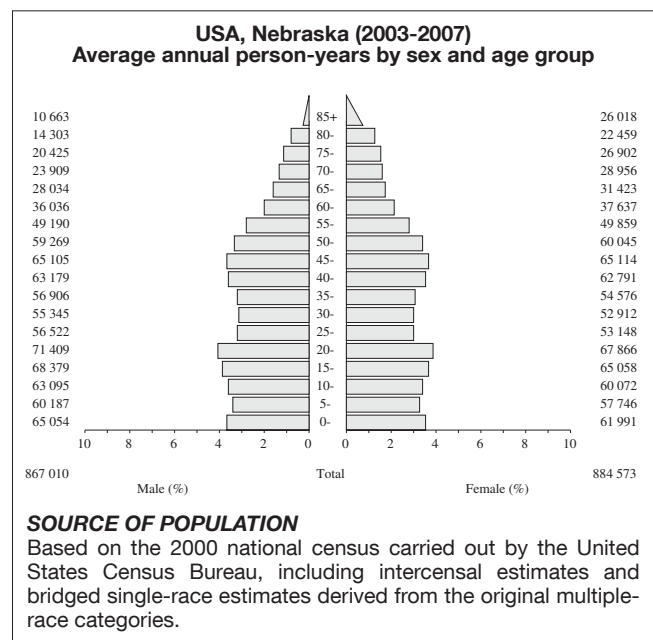
## USE OF THE DATA

The NCR publishes an annual report on cancer incidence and mortality, which is available from the DHHS website. Within DHHS, NCR data are used for planning and evaluation of cancer control activities and for investigating cancer clusters. The NCR also provides data to qualified researchers for epidemiological studies, and in response to individual requests for information.

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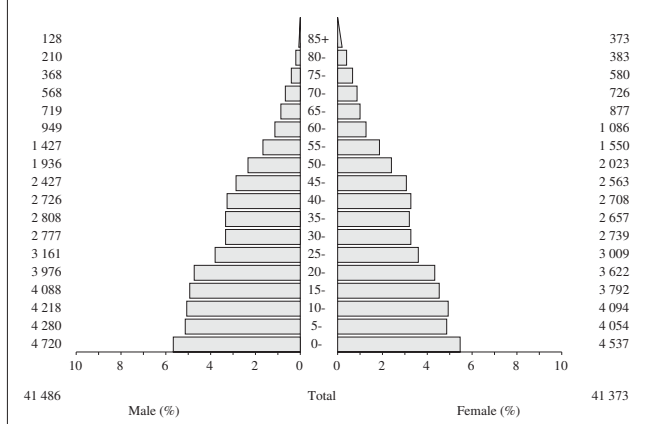
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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 106.2 | Breast                     | 87.1  |
| Trachea, bronchus and lung | 52.6  | Trachea, bronchus and lung | 34.1  |
| Colon                      | 26.4  | Colon                      | 20.8  |
| Bladder                    | 21.1  | Corpus uteri               | 19.3  |
| Non-Hodgkin lymphoma       | 16.2  | Thyroid                    | 14.1  |
| Melanoma of skin           | 14.2  | Non-Hodgkin lymphoma       | 11.9  |
| Rectum                     | 14.2  | Melanoma of skin           | 11.3  |
| Kidney                     | 12.9  | Ovary                      | 8.5   |
| Other and unspecified      | 8.1   | Other and unspecified      | 7.4   |
| Lymphoid leukaemia         | 7.7   | Kidney                     | 7.3   |
| All sites                  | 367.4 | All sites                  | 289.6 |

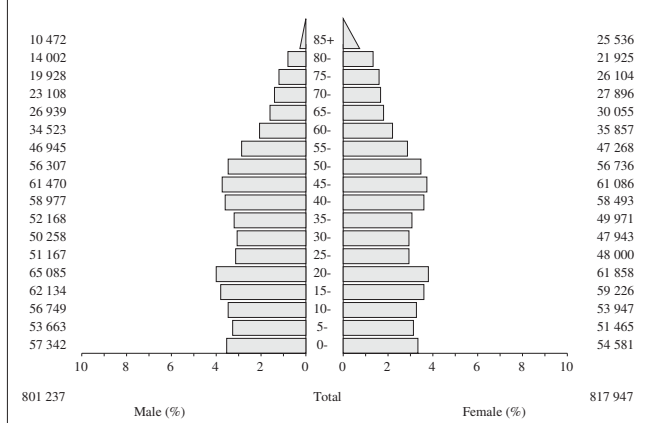
**USA, Nebraska: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, NEBRASKA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 140.5        | Breast                     | 80.6         |
| Trachea, bronchus and lung | 71.7         | Trachea, bronchus and lung | 42.0         |
| Colon                      | 30.4         | Colon                      | 26.8         |
| Liver                      | 15.2         | Corpus uteri               | 16.0         |
| Kidney                     | 14.8         | Pancreas                   | 13.0         |
| Other and unspecified      | 14.1         | Non-Hodgkin lymphoma       | 10.4         |
| Non-Hodgkin lymphoma       | 13.8         | Kidney                     | 8.3          |
| Bladder                    | 13.6         | Other and unspecified      | 7.6          |
| Rectum                     | 11.9         | Thyroid                    | 7.3          |
| Multiple myeloma           | 10.7         | Bladder                    | 7.2          |
| <b>All sites</b>           | <b>425.1</b> | <b>All sites</b>           | <b>279.7</b> |

**USA, Nebraska: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, NEBRASKA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 103.2        | Breast                     | 87.8         |
| Trachea, bronchus and lung | 52.1         | Trachea, bronchus and lung | 34.0         |
| Colon                      | 26.2         | Colon                      | 20.5         |
| Bladder                    | 21.2         | Corpus uteri               | 19.4         |
| Non-Hodgkin lymphoma       | 16.0         | Thyroid                    | 14.4         |
| Rectum                     | 14.2         | Non-Hodgkin lymphoma       | 11.8         |
| Melanoma of skin           | 13.0         | Melanoma of skin           | 10.0         |
| Kidney                     | 12.5         | Ovary                      | 8.6          |
| Other and unspecified      | 7.9          | Other and unspecified      | 7.3          |
| Pancreas                   | 7.6          | Kidney                     | 7.2          |
| <b>All sites</b>           | <b>360.0</b> | <b>All sites</b>           | <b>287.8</b> |

## USA, Nebraska (2003-2007)

| SITE                         | Male      |           |                          |           |                     |                     | Female    |           |                          |           |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|-----------|---------------------|---------------------|-----------|-----------|--------------------------|-----------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 104       | 0.4       | 2.4                      | 1.5       | 0.05                | 0.18                | 36        | 0.2       | 0.8                      | 0.4       | 0.02                | 0.03                | C00             |
| Tongue                       | 176       | 0.8       | 4.1                      | 3.0       | 0.22                | 0.37                | 93        | 0.4       | 2.1                      | 1.3       | 0.09                | 0.14                | C01-02          |
| Mouth                        | 109       | 0.5       | 2.5                      | 1.8       | 0.11                | 0.22                | 84        | 0.4       | 1.9                      | 1.1       | 0.06                | 0.12                | C03-06          |
| Salivary glands              | 70        | 0.3       | 1.6                      | 1.1       | 0.06                | 0.12                | 55        | 0.3       | 1.2                      | 0.8       | 0.06                | 0.07                | C07-08          |
| Tonsil                       | 107       | 0.5       | 2.5                      | 1.9       | 0.15                | 0.23                | 17        | 0.1       | 0.4                      | 0.3       | 0.02                | 0.04                | C09             |
| Other oropharynx             | 20        | 0.1       | 0.5                      | 0.4       | 0.03                | 0.05                | 3         | 0.0       | 0.1                      | 0.0       | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 23        | 0.1       | 0.5                      | 0.4       | 0.03                | 0.04                | 15        | 0.1       | 0.3                      | 0.3       | 0.02                | 0.03                | C11             |
| Hypopharynx                  | 41        | 0.2       | 0.9                      | 0.7       | 0.04                | 0.10                | 12        | 0.1       | 0.3                      | 0.2       | 0.02                | 0.03                | C12-13          |
| Pharynx unspecified          | 11        | 0.0       | 0.3                      | 0.2       | 0.00                | 0.02                | 4         | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                | C14             |
| Oesophagus                   | 355       | 1.5       | 8.2                      | 5.7       | 0.30                | 0.74                | 83        | 0.4       | 1.9                      | 1.0       | 0.06                | 0.12                | C15             |
| Stomach                      | 329       | 1.4       | 7.6                      | 5.1       | 0.26                | 0.60                | 157       | 0.8       | 3.5                      | 1.7       | 0.07                | 0.19                | C16             |
| Small intestine              | 128       | 0.6       | 3.0                      | 2.1       | 0.12                | 0.25                | 97        | 0.5       | 2.2                      | 1.4       | 0.09                | 0.18                | C17             |
| Colon                        | 1781      | 7.7       | 41.1                     | 26.4      | 1.18                | 3.11                | 1980      | 9.5       | 44.8                     | 20.8      | 0.88                | 2.40                | C18             |
| Rectum                       | 890       | 3.8       | 20.5                     | 14.2      | 0.83                | 1.71                | 548       | 2.6       | 12.4                     | 6.9       | 0.38                | 0.83                | C19-20          |
| Anus                         | 40        | 0.2       | 0.9                      | 0.7       | 0.05                | 0.08                | 68        | 0.3       | 1.5                      | 1.1       | 0.08                | 0.13                | C21             |
| Liver                        | 280       | 1.2       | 6.5                      | 4.5       | 0.29                | 0.51                | 118       | 0.6       | 2.7                      | 1.6       | 0.08                | 0.20                | C22             |
| Gallbladder etc.             | 104       | 0.4       | 2.4                      | 1.5       | 0.07                | 0.16                | 134       | 0.6       | 3.0                      | 1.4       | 0.06                | 0.15                | C23-24          |
| Pancreas                     | 529       | 2.3       | 12.2                     | 7.7       | 0.37                | 0.91                | 496       | 2.4       | 11.2                     | 5.6       | 0.23                | 0.68                | C25             |
| Nose, sinuses etc.           | 39        | 0.2       | 0.9                      | 0.7       | 0.04                | 0.07                | 32        | 0.2       | 0.7                      | 0.4       | 0.02                | 0.05                | C30-31          |
| Larynx                       | 285       | 1.2       | 6.6                      | 4.7       | 0.31                | 0.61                | 67        | 0.3       | 1.5                      | 1.0       | 0.06                | 0.13                | C32             |
| Trachea, bronchus and lung   | 3449      | 14.9      | 79.6                     | 52.6      | 2.20                | 6.78                | 2619      | 12.5      | 59.2                     | 34.1      | 1.75                | 4.44                | C33-34          |
| Other thoracic organs        | 19        | 0.1       | 0.4                      | 0.4       | 0.02                | 0.03                | 19        | 0.1       | 0.4                      | 0.3       | 0.02                | 0.04                | C37-38          |
| Bone                         | 55        | 0.2       | 1.3                      | 1.2       | 0.07                | 0.09                | 41        | 0.2       | 0.9                      | 0.8       | 0.05                | 0.07                | C40-41          |
| Melanoma of skin             | 863       | 3.7       | 19.9                     | 14.2      | 0.90                | 1.53                | 673       | 3.2       | 15.2                     | 11.3      | 0.81                | 1.09                | C43             |
| Other skin                   | 83        | 0.4       | 1.9                      | 1.3       | 0.07                | 0.12                | 61        | 0.3       | 1.4                      | 0.8       | 0.05                | 0.08                | C44             |
| Mesothelioma                 | 68        | 0.3       | 1.6                      | 1.0       | 0.03                | 0.12                | 30        | 0.1       | 0.7                      | 0.4       | 0.02                | 0.05                | C45             |
| Kaposi sarcoma               | 12        | 0.1       | 0.3                      | 0.2       | 0.02                | 0.02                | 1         | 0.0       | 0.0                      | 0.0       | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 163       | 0.7       | 3.8                      | 2.6       | 0.15                | 0.27                | 123       | 0.6       | 2.8                      | 1.9       | 0.12                | 0.19                | C47+C49         |
| Breast                       | 39        | 0.2       | 0.9                      | 0.6       | 0.02                | 0.07                | 5910      | 28.3      | 133.6                    | 87.1      | 6.09                | 10.12               | C50             |
| Vulva                        |           |           |                          |           |                     |                     | 126       | 0.6       | 2.8                      | 1.5       | 0.10                | 0.15                | C51             |
| Vagina                       |           |           |                          |           |                     |                     | 29        | 0.1       | 0.7                      | 0.4       | 0.02                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |           |                     |                     | 313       | 1.5       | 7.1                      | 5.7       | 0.47                | 0.54                | C53             |
| Corpus uteri                 |           |           |                          |           |                     |                     | 1303      | 6.2       | 29.5                     | 19.3      | 1.40                | 2.32                | C54             |
| Uterus unspecified           |           |           |                          |           |                     |                     | 43        | 0.2       | 1.0                      | 0.5       | 0.02                | 0.05                | C55             |
| Ovary                        |           |           |                          |           |                     |                     | 582       | 2.8       | 13.2                     | 8.5       | 0.58                | 0.98                | C56             |
| Other female genital organs  |           |           |                          |           |                     |                     | 27        | 0.1       | 0.6                      | 0.4       | 0.03                | 0.06                | C57             |
| Placenta                     |           |           |                          |           |                     |                     | 3         | 0.0       | 0.1                      | 0.1       | 0.00                | 0.00                | C58             |
| Penis                        | 33        | 0.1       | 0.8                      | 0.5       | 0.03                | 0.07                |           |           |                          |           |                     |                     | C60             |
| Prostate                     | 6633      | 28.7      | 153.0                    | 106.2     | 5.15                | 14.19               |           |           |                          |           |                     |                     | C61             |
| Testis                       | 284       | 1.2       | 6.6                      | 6.2       | 0.45                | 0.47                |           |           |                          |           |                     |                     | C62             |
| Other male genital organs    | 11        | 0.0       | 0.3                      | 0.2       | 0.01                | 0.02                |           |           |                          |           |                     |                     | C63             |
| Kidney                       | 774       | 3.3       | 17.9                     | 12.9      | 0.84                | 1.53                | 505       | 2.4       | 11.4                     | 7.3       | 0.45                | 0.85                | C64             |
| Renal pelvis                 | 46        | 0.2       | 1.1                      | 0.6       | 0.03                | 0.07                | 25        | 0.1       | 0.6                      | 0.3       | 0.01                | 0.03                | C65             |
| Ureter                       | 34        | 0.1       | 0.8                      | 0.4       | 0.01                | 0.05                | 25        | 0.1       | 0.6                      | 0.2       | 0.01                | 0.02                | C66             |
| Bladder                      | 1491      | 6.4       | 34.4                     | 21.1      | 0.83                | 2.41                | 520       | 2.5       | 11.8                     | 5.7       | 0.28                | 0.65                | C67             |
| Other urinary organs         | 6         | 0.0       | 0.1                      | 0.1       | 0.00                | 0.01                | 7         | 0.0       | 0.2                      | 0.1       | 0.00                | 0.01                | C68             |
| Eye                          | 38        | 0.2       | 0.9                      | 0.7       | 0.04                | 0.07                | 27        | 0.1       | 0.6                      | 0.4       | 0.02                | 0.04                | C69             |
| Brain, nervous system        | 343       | 1.5       | 7.9                      | 6.7       | 0.40                | 0.65                | 288       | 1.4       | 6.5                      | 5.0       | 0.31                | 0.47                | C70-72          |
| Thyroid                      | 210       | 0.9       | 4.8                      | 3.9       | 0.30                | 0.41                | 747       | 3.6       | 16.9                     | 14.1      | 1.11                | 1.34                | C73             |
| Adrenal gland                | 6         | 0.0       | 0.1                      | 0.2       | 0.01                | 0.01                | 13        | 0.1       | 0.3                      | 0.3       | 0.02                | 0.02                | C74             |
| Other endocrine              | 6         | 0.0       | 0.1                      | 0.1       | 0.01                | 0.01                | 4         | 0.0       | 0.1                      | 0.1       | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 150       | 0.6       | 3.5                      | 3.1       | 0.22                | 0.27                | 138       | 0.7       | 3.1                      | 2.8       | 0.18                | 0.25                | C81             |
| Non-Hodgkin lymphoma         | 1008      | 4.4       | 23.3                     | 16.2      | 0.89                | 1.82                | 932       | 4.5       | 21.1                     | 11.9      | 0.65                | 1.39                | C82-85,C96      |
| Immunoproliferative diseases | 16        | 0.1       | 0.4                      | 0.3       | 0.01                | 0.03                | 19        | 0.1       | 0.4                      | 0.2       | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 302       | 1.3       | 7.0                      | 4.5       | 0.24                | 0.51                | 250       | 1.2       | 5.7                      | 3.1       | 0.15                | 0.38                | C90             |
| Lymphoid leukaemia           | 460       | 2.0       | 10.6                     | 7.7       | 0.38                | 0.81                | 313       | 1.5       | 7.1                      | 4.4       | 0.20                | 0.44                | C91             |
| Myeloid leukaemia            | 289       | 1.3       | 6.7                      | 4.7       | 0.24                | 0.46                | 235       | 1.1       | 5.3                      | 3.3       | 0.18                | 0.36                | C92-94          |
| Leukaemia unspecified        | 24        | 0.1       | 0.6                      | 0.3       | 0.00                | 0.03                | 21        | 0.1       | 0.5                      | 0.2       | 0.00                | 0.01                | C95             |
| Myeloproliferative disorders | 98        | 0.4       | 2.3                      | 1.5       | 0.08                | 0.20                | 98        | 0.5       | 2.2                      | 1.3       | 0.06                | 0.15                | MPD             |
| Myelodysplastic syndromes    | 206       | 0.9       | 4.8                      | 2.8       | 0.11                | 0.28                | 146       | 0.7       | 3.3                      | 1.5       | 0.06                | 0.15                | MDS             |
| Other and unspecified        | 562       | 2.4       | 13.0                     | 8.1       | 0.40                | 0.86                | 664       | 3.2       | 15.0                     | 7.4       | 0.35                | 0.84                | O&U             |
| All sites                    | 23202     |           | 535.2                    | 367.4     | 18.67               | 44.35               | 20979     |           | 474.3                    | 289.6     | 17.87               | 33.15               | C00-96          |
| All sites except C44         | 23119     | 100.0     | 533.3                    | 366.1     | 18.59               | 44.22               | 20918     | 100.0     | 473.0                    | 288.8     | 17.83               | 33.07               | C00-96 exc. C44 |

## USA, Nebraska: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 3         | 0.5       | 1.4                      | <b>1.6</b>   | 0.18                     | 0.18      | 1         | 0.2                      | 0.5       | <b>0.5</b>               | 0.06   | 0.06  | C01-02          |
| Mouth                        | 2         | 0.3       | 1.0                      | <b>1.7</b>   | 0.21                     | 0.21      | 2         | 0.4                      | 1.0       | <b>1.0</b>               | 0.10   | 0.10  | C03-06          |
| Salivary glands              | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.11                     | 0.11      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C07-08          |
| Tonsil                       | 4         | 0.6       | 1.9                      | <b>2.7</b>   | 0.04                     | 0.32      | 2         | 0.4                      | 1.0       | <b>1.4</b>               | 0.09   | 0.21  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 4         | 0.6       | 1.9                      | <b>1.9</b>   | 0.17                     | 0.17      | 1         | 0.2                      | 0.5       | <b>0.5</b>               | 0.05   | 0.05  | C11             |
| Hypopharynx                  | 2         | 0.3       | 1.0                      | <b>1.3</b>   | 0.04                     | 0.18      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.00                     | 0.14      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 4         | 0.6       | 1.9                      | <b>2.9</b>   | 0.25                     | 0.43      | 6         | 1.1                      | 2.9       | <b>3.3</b>               | 0.19   | 0.58  | C15             |
| Stomach                      | 13        | 2.0       | 6.3                      | <b>9.0</b>   | 0.75                     | 1.16      | 9         | 1.6                      | 4.4       | <b>4.0</b>               | 0.22   | 0.36  | C16             |
| Small intestine              | 8         | 1.2       | 3.9                      | <b>5.1</b>   | 0.30                     | 0.57      | 4         | 0.7                      | 1.9       | <b>2.2</b>               | 0.13   | 0.25  | C17             |
| Colon                        | 48        | 7.3       | 23.1                     | <b>30.4</b>  | 1.15                     | 3.57      | 60        | 10.7                     | 29.0      | <b>26.8</b>              | 0.91   | 3.09  | C18             |
| Rectum                       | 18        | 2.7       | 8.7                      | <b>11.9</b>  | 0.75                     | 1.24      | 11        | 2.0                      | 5.3       | <b>5.5</b>               | 0.40   | 0.65  | C19-20          |
| Anus                         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.5                      | 1.5       | <b>1.5</b>               | 0.14   | 0.14  | C21             |
| Liver                        | 25        | 3.8       | 12.1                     | <b>15.2</b>  | 1.50                     | 1.82      | 5         | 0.9                      | 2.4       | <b>2.5</b>               | 0.19   | 0.33  | C22             |
| Gallbladder etc.             | 2         | 0.3       | 1.0                      | <b>1.4</b>   | 0.05                     | 0.19      | 3         | 0.5                      | 1.5       | <b>0.9</b>               | 0.00   | 0.00  | C23-24          |
| Pancreas                     | 15        | 2.3       | 7.2                      | <b>9.8</b>   | 0.48                     | 1.46      | 26        | 4.6                      | 12.6      | <b>13.0</b>              | 0.52   | 1.57  | C25             |
| Nose, sinuses etc.           | 1         | 0.2       | 0.5                      | <b>0.5</b>   | 0.05                     | 0.05      | 1         | 0.2                      | 0.5       | <b>0.3</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 15        | 2.3       | 7.2                      | <b>10.2</b>  | 0.70                     | 1.37      | 1         | 0.2                      | 0.5       | <b>0.7</b>               | 0.09   | 0.09  | C32             |
| Trachea, bronchus and lung   | 109       | 16.6      | 52.5                     | <b>71.7</b>  | 3.38                     | 8.83      | 82        | 14.6                     | 39.6      | <b>42.0</b>              | 2.25   | 5.53  | C33-34          |
| Other thoracic organs        | 4         | 0.6       | 1.9                      | <b>2.5</b>   | 0.14                     | 0.32      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C37-38          |
| Bone                         | 2         | 0.3       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.06      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C40-41          |
| Melanoma of skin             | 1         | 0.2       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.03      | 2         | 0.4                      | 1.0       | <b>0.8</b>               | 0.04   | 0.04  | C43             |
| Other skin                   | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.04      | 3         | 0.5                      | 1.5       | <b>1.6</b>               | 0.16   | 0.16  | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 3         | 0.5       | 1.4                      | <b>1.3</b>   | 0.11                     | 0.11      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 8         | 1.2       | 3.9                      | <b>4.1</b>   | 0.31                     | 0.31      | 6         | 1.1                      | 2.9       | <b>3.1</b>               | 0.19   | 0.47  | C47+C49         |
| Breast                       | 1         | 0.2       | 0.5                      | <b>0.7</b>   | 0.00                     | 0.18      | 157       | 28.0                     | 75.9      | <b>80.6</b>              | 5.37   | 9.53  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 3         | 0.5                      | 1.5       | <b>1.5</b>               | 0.14   | 0.14  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 2         | 0.4                      | 1.0       | <b>1.0</b>               | 0.04   | 0.17  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 10        | 1.8                      | 4.8       | <b>4.4</b>               | 0.26   | 0.40  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 30        | 5.3                      | 14.5      | <b>16.0</b>              | 1.14   | 1.85  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 11        | 2.0                      | 5.3       | <b>5.6</b>               | 0.37   | 0.49  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 207       | 31.5      | 99.8                     | <b>140.5</b> | 7.77                     | 19.49     |           |                          |           |                          |        |       | C61             |
| Testis                       | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 23        | 3.5       | 11.1                     | <b>14.8</b>  | 0.77                     | 1.65      | 17        | 3.0                      | 8.2       | <b>8.3</b>               | 0.57   | 0.82  | C64             |
| Renal pelvis                 | 1         | 0.2       | 0.5                      | <b>0.5</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 20        | 3.0       | 9.6                      | <b>13.6</b>  | 0.81                     | 1.80      | 16        | 2.9                      | 7.7       | <b>7.2</b>               | 0.39   | 0.80  | C67             |
| Other urinary organs         | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.00                     | 0.14      | 1         | 0.2                      | 0.5       | <b>0.7</b>               | 0.09   | 0.09  | C68             |
| Eye                          | 1         | 0.2       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 6         | 0.9       | 2.9                      | <b>2.9</b>   | 0.20                     | 0.20      | 7         | 1.2                      | 3.4       | <b>3.2</b>               | 0.22   | 0.22  | C70-72          |
| Thyroid                      | 5         | 0.8       | 2.4                      | <b>2.6</b>   | 0.10                     | 0.28      | 14        | 2.5                      | 6.8       | <b>7.3</b>               | 0.59   | 0.82  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.5       | <b>0.5</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.4                      | 1.0       | <b>0.8</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 9         | 1.4       | 4.3                      | <b>4.7</b>   | 0.37                     | 0.51      | 3         | 0.5                      | 1.5       | <b>1.4</b>               | 0.12   | 0.12  | C81             |
| Non-Hodgkin lymphoma         | 25        | 3.8       | 12.1                     | <b>13.8</b>  | 0.95                     | 1.66      | 20        | 3.6                      | 9.7       | <b>10.4</b>              | 0.72   | 1.39  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.11                     | 0.11      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 17        | 2.6       | 8.2                      | <b>10.7</b>  | 0.67                     | 1.27      | 8         | 1.4                      | 3.9       | <b>3.3</b>               | 0.07   | 0.30  | C90             |
| Lymphoid leukaemia           | 9         | 1.4       | 4.3                      | <b>5.4</b>   | 0.14                     | 0.63      | 1         | 0.2                      | 0.5       | <b>0.5</b>               | 0.02   | 0.02  | C91             |
| Myeloid leukaemia            | 11        | 1.7       | 5.3                      | <b>5.6</b>   | 0.37                     | 0.54      | 6         | 1.1                      | 2.9       | <b>3.1</b>               | 0.24   | 0.38  | C92-94          |
| Leukaemia unspecified        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 2         | 0.3       | 1.0                      | <b>1.0</b>   | 0.04                     | 0.04      | 4         | 0.7                      | 1.9       | <b>1.7</b>               | 0.13   | 0.13  | MPD             |
| Myelodysplastic syndromes    | 3         | 0.5       | 1.4                      | <b>2.2</b>   | 0.21                     | 0.21      | 5         | 0.9                      | 2.4       | <b>3.0</b>               | 0.22   | 0.50  | MDS             |
| Other and unspecified        | 21        | 3.2       | 10.1                     | <b>14.1</b>  | 0.72                     | 1.70      | 18        | 3.2                      | 8.7       | <b>7.6</b>               | 0.45   | 0.56  | O&U             |
| All sites                    | 659       |           | 317.7                    | <b>425.1</b> | 24.16                    | 53.37     | 564       |                          | 272.6     | <b>279.7</b>             | 16.95  | 32.44 | C00-96          |
| All sites except C44         | 658       | 100.0     | 317.2                    | <b>424.7</b> | 24.12                    | 53.34     | 561       | 100.0                    | 271.2     | <b>278.1</b>             | 16.79  | 32.28 | C00-96 exc. C44 |

## USA, Nebraska: White (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 97        | 0.4       | 2.4                      | 1.5       | 0.05                     | 0.17      | 32        | 0.2                      | 0.8       | 0.3                      | 0.02   | 0.03  | C00             |
| Tongue                       | 166       | 0.8       | 4.1                      | 3.0       | 0.22                     | 0.37      | 87        | 0.4                      | 2.1       | 1.3                      | 0.08   | 0.14  | C01-02          |
| Mouth                        | 105       | 0.5       | 2.6                      | 1.8       | 0.11                     | 0.22      | 82        | 0.4                      | 2.0       | 1.1                      | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 67        | 0.3       | 1.7                      | 1.1       | 0.06                     | 0.12      | 52        | 0.3                      | 1.3       | 0.8                      | 0.06   | 0.07  | C07-08          |
| Tonsil                       | 102       | 0.5       | 2.5                      | 1.9       | 0.16                     | 0.23      | 14        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.03  | C09             |
| Other oropharynx             | 20        | 0.1       | 0.5                      | 0.4       | 0.03                     | 0.05      | 3         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 19        | 0.1       | 0.5                      | 0.3       | 0.02                     | 0.03      | 13        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 38        | 0.2       | 0.9                      | 0.7       | 0.04                     | 0.10      | 12        | 0.1                      | 0.3       | 0.2                      | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 9         | 0.0       | 0.2                      | 0.1       | 0.00                     | 0.01      | 4         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 343       | 1.6       | 8.6                      | 5.7       | 0.30                     | 0.74      | 76        | 0.4                      | 1.9       | 0.9                      | 0.05   | 0.11  | C15             |
| Stomach                      | 308       | 1.4       | 7.7                      | 4.9       | 0.25                     | 0.58      | 146       | 0.7                      | 3.6       | 1.6                      | 0.06   | 0.18  | C16             |
| Small intestine              | 119       | 0.5       | 3.0                      | 2.0       | 0.11                     | 0.25      | 92        | 0.5                      | 2.2       | 1.4                      | 0.09   | 0.18  | C17             |
| Colon                        | 1705      | 7.8       | 42.6                     | 26.2      | 1.17                     | 3.09      | 1892      | 9.5                      | 46.3      | 20.5                     | 0.87   | 2.36  | C18             |
| Rectum                       | 855       | 3.9       | 21.3                     | 14.2      | 0.83                     | 1.72      | 522       | 2.6                      | 12.8      | 6.7                      | 0.36   | 0.81  | C19-20          |
| Anus                         | 36        | 0.2       | 0.9                      | 0.7       | 0.05                     | 0.07      | 64        | 0.3                      | 1.6       | 1.0                      | 0.07   | 0.13  | C21             |
| Liver                        | 242       | 1.1       | 6.0                      | 3.9       | 0.23                     | 0.44      | 104       | 0.5                      | 2.5       | 1.5                      | 0.07   | 0.18  | C22             |
| Gallbladder etc.             | 100       | 0.5       | 2.5                      | 1.5       | 0.07                     | 0.16      | 129       | 0.6                      | 3.2       | 1.4                      | 0.06   | 0.15  | C23-24          |
| Pancreas                     | 506       | 2.3       | 12.6                     | 7.6       | 0.36                     | 0.89      | 461       | 2.3                      | 11.3      | 5.3                      | 0.22   | 0.65  | C25             |
| Nose, sinuses etc.           | 38        | 0.2       | 0.9                      | 0.7       | 0.04                     | 0.08      | 30        | 0.2                      | 0.7       | 0.4                      | 0.02   | 0.04  | C30-31          |
| Larynx                       | 268       | 1.2       | 6.7                      | 4.6       | 0.30                     | 0.60      | 65        | 0.3                      | 1.6       | 1.0                      | 0.06   | 0.13  | C32             |
| Trachea, bronchus and lung   | 3305      | 15.2      | 82.5                     | 52.1      | 2.17                     | 6.72      | 2509      | 12.6                     | 61.3      | 34.0                     | 1.74   | 4.43  | C33-34          |
| Other thoracic organs        | 15        | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.03      | 19        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.04  | C37-38          |
| Bone                         | 52        | 0.2       | 1.3                      | 1.2       | 0.07                     | 0.10      | 41        | 0.2                      | 1.0       | 0.9                      | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 758       | 3.5       | 18.9                     | 13.0      | 0.81                     | 1.39      | 572       | 2.9                      | 14.0      | 10.0                     | 0.71   | 0.97  | C43             |
| Other skin                   | 77        | 0.4       | 1.9                      | 1.3       | 0.07                     | 0.12      | 55        | 0.3                      | 1.3       | 0.8                      | 0.05   | 0.08  | C44             |
| Mesothelioma                 | 67        | 0.3       | 1.7                      | 1.0       | 0.03                     | 0.12      | 29        | 0.1                      | 0.7       | 0.4                      | 0.02   | 0.05  | C45             |
| Kaposi sarcoma               | 9         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 147       | 0.7       | 3.7                      | 2.5       | 0.13                     | 0.25      | 113       | 0.6                      | 2.8       | 1.8                      | 0.11   | 0.18  | C47+C49         |
| Breast                       | 37        | 0.2       | 0.9                      | 0.6       | 0.02                     | 0.06      | 5671      | 28.5                     | 138.7     | 87.8                     | 6.17   | 10.20 | C50             |
| Vulva                        |           |           |                          |           |                          |           | 116       | 0.6                      | 2.8       | 1.4                      | 0.09   | 0.13  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 26        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 291       | 1.5                      | 7.1       | 5.7                      | 0.47   | 0.53  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 1253      | 6.3                      | 30.6      | 19.4                     | 1.41   | 2.34  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 43        | 0.2                      | 1.1       | 0.5                      | 0.02   | 0.05  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 565       | 2.8                      | 13.8      | 8.6                      | 0.59   | 1.00  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 27        | 0.1                      | 0.7       | 0.4                      | 0.03   | 0.06  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 3         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C58             |
| Penis                        | 32        | 0.1       | 0.8                      | 0.5       | 0.03                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 6202      | 28.4      | 154.8                    | 103.2     | 5.03                     | 13.84     |           |                          |           |                          |        |       | C61             |
| Testis                       | 274       | 1.3       | 6.8                      | 6.5       | 0.47                     | 0.49      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 9         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 726       | 3.3       | 18.1                     | 12.5      | 0.82                     | 1.49      | 469       | 2.4                      | 11.5      | 7.2                      | 0.44   | 0.84  | C64             |
| Renal pelvis                 | 45        | 0.2       | 1.1                      | 0.6       | 0.03                     | 0.07      | 25        | 0.1                      | 0.6       | 0.3                      | 0.01   | 0.03  | C65             |
| Ureter                       | 34        | 0.2       | 0.8                      | 0.5       | 0.01                     | 0.05      | 24        | 0.1                      | 0.6       | 0.2                      | 0.01   | 0.02  | C66             |
| Bladder                      | 1449      | 6.6       | 36.2                     | 21.2      | 0.82                     | 2.43      | 497       | 2.5                      | 12.2      | 5.6                      | 0.28   | 0.64  | C67             |
| Other urinary organs         | 5         | 0.0       | 0.1                      | 0.1       | 0.00                     | 0.01      | 5         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 32        | 0.1       | 0.8                      | 0.6       | 0.03                     | 0.07      | 23        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.03  | C69             |
| Brain, nervous system        | 333       | 1.5       | 8.3                      | 6.9       | 0.42                     | 0.67      | 276       | 1.4                      | 6.7       | 5.1                      | 0.31   | 0.48  | C70-72          |
| Thyroid                      | 201       | 0.9       | 5.0                      | 4.0       | 0.30                     | 0.41      | 715       | 3.6                      | 17.5      | 14.4                     | 1.13   | 1.36  | C73             |
| Adrenal gland                | 5         | 0.0       | 0.1                      | 0.2       | 0.01                     | 0.01      | 12        | 0.1                      | 0.3       | 0.3                      | 0.02   | 0.02  | C74             |
| Other endocrine              | 6         | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 138       | 0.6       | 3.4                      | 3.0       | 0.21                     | 0.26      | 133       | 0.7                      | 3.3       | 3.0                      | 0.19   | 0.26  | C81             |
| Non-Hodgkin lymphoma         | 958       | 4.4       | 23.9                     | 16.0      | 0.87                     | 1.80      | 889       | 4.5                      | 21.7      | 11.8                     | 0.64   | 1.38  | C82-85,C96      |
| Immunoproliferative diseases | 15        | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.03      | 17        | 0.1                      | 0.4       | 0.1                      | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 277       | 1.3       | 6.9                      | 4.2       | 0.21                     | 0.48      | 228       | 1.1                      | 5.6       | 2.9                      | 0.15   | 0.37  | C90             |
| Lymphoid leukaemia           | 430       | 2.0       | 10.7                     | 7.6       | 0.37                     | 0.80      | 297       | 1.5                      | 7.3       | 4.4                      | 0.20   | 0.44  | C91             |
| Myeloid leukaemia            | 274       | 1.3       | 6.8                      | 4.6       | 0.23                     | 0.45      | 224       | 1.1                      | 5.5       | 3.3                      | 0.18   | 0.35  | C92-94          |
| Leukaemia unspecified        | 24        | 0.1       | 0.6                      | 0.3       | 0.01                     | 0.03      | 21        | 0.1                      | 0.5       | 0.2                      | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 92        | 0.4       | 2.3                      | 1.5       | 0.09                     | 0.20      | 90        | 0.5                      | 2.2       | 1.2                      | 0.06   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 191       | 0.9       | 4.8                      | 2.6       | 0.10                     | 0.26      | 138       | 0.7                      | 3.4       | 1.5                      | 0.06   | 0.14  | MDS             |
| Other and unspecified        | 530       | 2.4       | 13.2                     | 7.9       | 0.39                     | 0.82      | 634       | 3.2                      | 15.5      | 7.3                      | 0.34   | 0.83  | O&U             |
| All sites                    | 21892     |           | 546.5                    | 360.0     | 18.21                    | 43.49     | 19932     |                          | 487.4     | 287.8                    | 17.79  | 32.96 | C00-96          |
| All sites except C44         | 21815     | 100.0     | 544.5                    | 358.8     | 18.14                    | 43.38     | 19877     | 100.0                    | 486.0     | 287.0                    | 17.74  | 32.87 | C00-96 exc. C44 |





# USA, New Hampshire

## REGISTRATION AREA

The New Hampshire State Cancer Registry (NHSCR) collects incidence data on all cancer cases diagnosed or treated in the state of New Hampshire. New Hampshire is considered a rural state. There are large open spaces in the northern part of the state but major population centres in the southern part; 59% of residents live in urban areas and 96% are Caucasian.

## CANCER CARE FACILITIES

There are 26 reporting hospitals and two free-standing oncology centres in New Hampshire.

## REGISTRY STRUCTURE AND METHODS

Since its inception in 1985, the NHSCR has been contracted to the Geisel School of Medicine at Dartmouth College by the New Hampshire Department of Health and Human Services (DHHS) Division of Public Health Services. As required by the Administrative Rules of New Hampshire, the NHSCR collects reports from registrars in all large hospitals in the state. Hospitals with fewer than 105 cancer cases per year generally do not have their own cancer registry, and NHSCR staff members help these hospitals with their reporting duties. The NHSCR also receives case reports from physicians, free-standing radiation/oncology centres, out-of-state pathology laboratories, and other sources. The registry receives case reports for New Hampshire residents who are diagnosed outside the state through interstate data exchange agreements. The NHSCR conducts active death clearance trace-back and linkage to state death files and the National Death Index. Pathology audits are conducted at New Hampshire pathology laboratories to verify case ascertainment. Audits of discharge diagnosis codes are also conducted for case ascertainment purposes. The NHSCR is supported by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR) through a cooperative agreement awarded to the DHHS (Division of Public Health Services, Bureau of Disease Control and Health Statistics, Health Statistics and Data Management section). The NHSCR has 4.5 full-time equivalent professional positions.

## INTERPRETING THE RESULTS

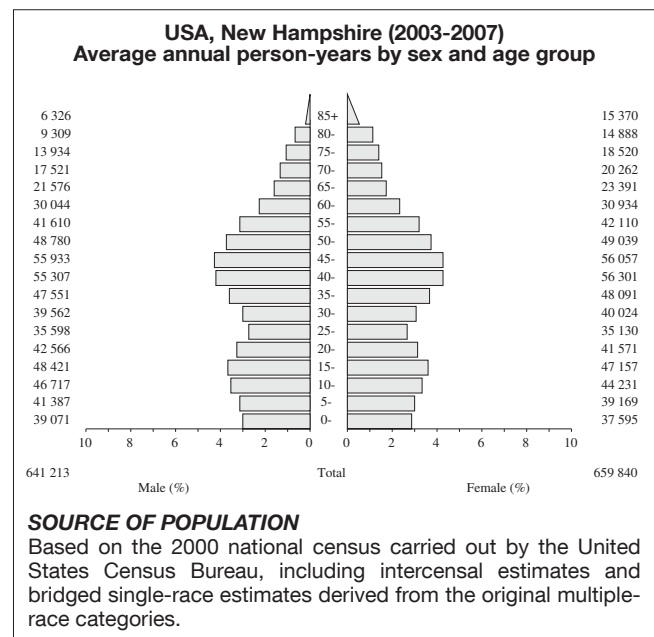
New Hampshire supports two federally funded screening programmes for low-income individuals: the New Hampshire Breast and Cervical Cancer Early Detection Program (NHBCCEDP) and the New Hampshire Colorectal Screening Program (NHCRSP). The New Hampshire Comprehensive Cancer Collaboration is a federally funded programme that develops strategies to reduce cancer incidence and morbidity/mortality statewide.

## USE OF THE DATA

The state of New Hampshire uses cancer registry data for public health planning and investigations, and makes data available for approved research. More information is available from <http://www.dhhs.nh.gov/dphs/hsdm/cancer/>.

## CONTRIBUTOR

Judith R. Rees



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 107.9 | Breast                     | 91.9  |
| Trachea, bronchus and lung | 51.4  | Trachea, bronchus and lung | 41.1  |
| Bladder                    | 27.6  | Corpus uteri               | 21.4  |
| Melanoma of skin           | 23.7  | Melanoma of skin           | 19.1  |
| Colon                      | 22.6  | Colon                      | 18.5  |
| Non-Hodgkin lymphoma       | 16.2  | Thyroid                    | 14.7  |
| Kidney                     | 12.5  | Non-Hodgkin lymphoma       | 12.3  |
| Rectum                     | 11.3  | Ovary                      | 10.0  |
| Oesophagus                 | 8.0   | Bladder                    | 8.3   |
| Pancreas                   | 7.6   | Rectum                     | 7.4   |
| All sites                  | 382.8 | All sites                  | 315.9 |

## USA, New Hampshire (2003-2007)

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 17        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.05                | 11        | 0.1       | 0.3                      | <b>0.1</b>   | 0.00   | 0.01                | C00                 |
| Tongue                       | 142       | 0.8       | 4.4                      | <b>3.1</b>   | 0.24                | 0.37                | 65        | 0.4       | 2.0                      | <b>1.2</b>   | 0.08   | 0.14                | C01-02              |
| Mouth                        | 92        | 0.5       | 2.9                      | <b>2.0</b>   | 0.12                | 0.25                | 69        | 0.4       | 2.1                      | <b>1.1</b>   | 0.06   | 0.12                | C03-06              |
| Salivary glands              | 46        | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                | 0.11                | 28        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04   | 0.07                | C07-08              |
| Tonsil                       | 121       | 0.7       | 3.8                      | <b>2.6</b>   | 0.23                | 0.31                | 27        | 0.2       | 0.8                      | <b>0.6</b>   | 0.05   | 0.06                | C09                 |
| Other oropharynx             | 31        | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                | 0.09                | 8         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C10                 |
| Nasopharynx                  | 24        | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                | 0.06                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C11                 |
| Hypopharynx                  | 37        | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                | 0.10                | 16        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.05                | C12-13              |
| Pharynx unspecified          | 5         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.02                | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.00                | C14                 |
| Oesophagus                   | 389       | 2.2       | 12.1                     | <b>8.0</b>   | 0.41                | 0.95                | 105       | 0.6       | 3.2                      | <b>1.7</b>   | 0.08   | 0.20                | C15                 |
| Stomach                      | 258       | 1.4       | 8.0                      | <b>5.2</b>   | 0.22                | 0.62                | 135       | 0.8       | 4.1                      | <b>1.9</b>   | 0.08   | 0.20                | C16                 |
| Small intestine              | 63        | 0.4       | 2.0                      | <b>1.3</b>   | 0.09                | 0.15                | 49        | 0.3       | 1.5                      | <b>0.8</b>   | 0.05   | 0.09                | C17                 |
| Colon                        | 1111      | 6.2       | 34.7                     | <b>22.6</b>  | 0.99                | 2.60                | 1216      | 7.3       | 36.9                     | <b>18.5</b>  | 0.78   | 2.13                | C18                 |
| Rectum                       | 545       | 3.1       | 17.0                     | <b>11.3</b>  | 0.63                | 1.37                | 414       | 2.5       | 12.5                     | <b>7.4</b>   | 0.44   | 0.87                | C19-20              |
| Anus                         | 30        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.07                | 65        | 0.4       | 2.0                      | <b>1.1</b>   | 0.08   | 0.13                | C21                 |
| Liver                        | 224       | 1.3       | 7.0                      | <b>4.9</b>   | 0.26                | 0.59                | 77        | 0.5       | 2.3                      | <b>1.3</b>   | 0.06   | 0.15                | C22                 |
| Gallbladder etc.             | 72        | 0.4       | 2.2                      | <b>1.4</b>   | 0.07                | 0.16                | 97        | 0.6       | 2.9                      | <b>1.5</b>   | 0.07   | 0.17                | C23-24              |
| Pancreas                     | 384       | 2.2       | 12.0                     | <b>7.6</b>   | 0.36                | 0.88                | 450       | 2.7       | 13.6                     | <b>7.1</b>   | 0.34   | 0.82                | C25                 |
| Nose, sinuses etc.           | 27        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.07                | 9         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02   | 0.02                | C30-31              |
| Larynx                       | 226       | 1.3       | 7.0                      | <b>4.9</b>   | 0.30                | 0.63                | 52        | 0.3       | 1.6                      | <b>1.0</b>   | 0.07   | 0.14                | C32                 |
| Trachea, bronchus and lung   | 2502      | 14.0      | 78.0                     | <b>51.4</b>  | 2.29                | 6.41                | 2326      | 13.9      | 70.5                     | <b>41.1</b>  | 2.11   | 5.34                | C33-34              |
| Other thoracic organs        | 10        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | 12        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.03                | C37-38              |
| Bone                         | 33        | 0.2       | 1.0                      | <b>1.0</b>   | 0.06                | 0.07                | 38        | 0.2       | 1.2                      | <b>1.1</b>   | 0.07   | 0.09                | C40-41              |
| Melanoma of skin             | 1086      | 6.1       | 33.9                     | <b>23.7</b>  | 1.48                | 2.67                | 850       | 5.1       | 25.8                     | <b>19.1</b>  | 1.38   | 1.82                | C43                 |
| Other skin                   | 51        | 0.3       | 1.6                      | <b>1.0</b>   | 0.06                | 0.09                | 55        | 0.3       | 1.7                      | <b>1.0</b>   | 0.06   | 0.09                | C44                 |
| Mesothelioma                 | 69        | 0.4       | 2.2                      | <b>1.3</b>   | 0.03                | 0.15                | 11        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C45                 |
| Kaposi sarcoma               | 17        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 129       | 0.7       | 4.0                      | <b>3.2</b>   | 0.19                | 0.29                | 94        | 0.6       | 2.8                      | <b>2.0</b>   | 0.11   | 0.21                | C47+C49             |
| Breast                       | 43        | 0.2       | 1.3                      | <b>0.8</b>   | 0.03                | 0.08                | 4744      | 28.3      | 143.8                    | <b>91.9</b>  | 6.37   | 10.63               | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 112       | 0.7       | 3.4                      | <b>1.7</b>   | 0.10   | 0.15                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 17        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.02                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 220       | 1.3       | 6.7                      | <b>5.0</b>   | 0.38   | 0.50                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 1078      | 6.4       | 32.7                     | <b>21.4</b>  | 1.59   | 2.64                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 36        | 0.2       | 1.1                      | <b>0.6</b>   | 0.04   | 0.06                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 528       | 3.2       | 16.0                     | <b>10.0</b>  | 0.67   | 1.13                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 48        | 0.3       | 1.5                      | <b>0.9</b>   | 0.06   | 0.11                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C58                 |
| Penis                        | 21        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 4979      | 27.9      | 155.3                    | <b>107.9</b> | 5.77                | 14.77               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 229       | 1.3       | 7.1                      | <b>6.8</b>   | 0.50                | 0.52                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 12        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 573       | 3.2       | 17.9                     | <b>12.5</b>  | 0.77                | 1.43                | 343       | 2.0       | 10.4                     | <b>6.7</b>   | 0.40   | 0.77                | C64                 |
| Renal pelvis                 | 31        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                | 0.07                | 19        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02   | 0.03                | C65                 |
| Ureter                       | 28        | 0.2       | 0.9                      | <b>0.5</b>   | 0.02                | 0.05                | 17        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.03                | C66                 |
| Bladder                      | 1368      | 7.7       | 42.7                     | <b>27.6</b>  | 1.14                | 3.41                | 497       | 3.0       | 15.1                     | <b>8.3</b>   | 0.39   | 1.04                | C67                 |
| Other urinary organs         | 9         | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                | 0.03                | 7         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00   | 0.01                | C68                 |
| Eye                          | 41        | 0.2       | 1.3                      | <b>1.0</b>   | 0.06                | 0.10                | 36        | 0.2       | 1.1                      | <b>0.9</b>   | 0.06   | 0.08                | C69                 |
| Brain, nervous system        | 293       | 1.6       | 9.1                      | <b>7.5</b>   | 0.45                | 0.79                | 199       | 1.2       | 6.0                      | <b>4.8</b>   | 0.28   | 0.44                | C70-72              |
| Thyroid                      | 184       | 1.0       | 5.7                      | <b>4.3</b>   | 0.30                | 0.44                | 604       | 3.6       | 18.3                     | <b>14.7</b>  | 1.17   | 1.41                | C73                 |
| Adrenal gland                | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 7         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01   | 0.02                | C74                 |
| Other endocrine              | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.00                | C75                 |
| Hodgkin lymphoma             | 113       | 0.6       | 3.5                      | <b>3.2</b>   | 0.22                | 0.26                | 92        | 0.5       | 2.8                      | <b>2.5</b>   | 0.18   | 0.20                | C81                 |
| Non-Hodgkin lymphoma         | 731       | 4.1       | 22.8                     | <b>16.2</b>  | 0.96                | 1.81                | 671       | 4.0       | 20.3                     | <b>12.3</b>  | 0.68   | 1.43                | C82-85,C96          |
| Immunoproliferative diseases | 41        | 0.2       | 1.3                      | <b>0.8</b>   | 0.03                | 0.10                | 28        | 0.2       | 0.8                      | <b>0.5</b>   | 0.02   | 0.06                | C88                 |
| Multiple myeloma             | 233       | 1.3       | 7.3                      | <b>4.6</b>   | 0.22                | 0.53                | 177       | 1.1       | 5.4                      | <b>2.8</b>   | 0.13   | 0.35                | C90                 |
| Lymphoid leukaemia           | 293       | 1.6       | 9.1                      | <b>6.8</b>   | 0.33                | 0.68                | 208       | 1.2       | 6.3                      | <b>4.8</b>   | 0.24   | 0.45                | C91                 |
| Myeloid leukaemia            | 202       | 1.1       | 6.3                      | <b>4.5</b>   | 0.24                | 0.49                | 160       | 1.0       | 4.8                      | <b>3.2</b>   | 0.20   | 0.31                | C92-94              |
| Leukaemia unspecified        | 23        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.04                | 18        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01   | 0.01                | C95                 |
| Myeloproliferative disorders | 125       | 0.7       | 3.9                      | <b>2.7</b>   | 0.15                | 0.29                | 136       | 0.8       | 4.1                      | <b>2.4</b>   | 0.12   | 0.29                | MPD                 |
| Myelodysplastic syndromes    | 181       | 1.0       | 5.6                      | <b>3.3</b>   | 0.10                | 0.34                | 121       | 0.7       | 3.7                      | <b>1.7</b>   | 0.06   | 0.18                | MDS                 |
| Other and unspecified        | 377       | 2.1       | 11.8                     | <b>7.4</b>   | 0.33                | 0.82                | 393       | 2.3       | 11.9                     | <b>6.0</b>   | 0.25   | 0.65                | O&U                 |
| All sites                    | 17883     |           | 557.8                    | <b>382.8</b> | 20.10               | 46.35               | 16806     |           | 509.4                    | <b>315.9</b> | 19.55  | 36.02               | C00-96              |
| All sites except C44         | 17832     | 100.0     | 556.2                    | <b>381.8</b> | 20.04               | 46.26               | 16751     | 100.0     | 507.7                    | <b>314.9</b> | 19.49  | 35.93               | C00-96 exc. C44     |

# USA, New Jersey

## REGISTRATION AREA

The New Jersey State Cancer Registry (NJSCR) covers all 8.7 million residents of the state. New Jersey is located on the East Coast of the USA, bordered by the states of New York, Pennsylvania, and Delaware. At the 2010 census, the population of New Jersey was estimated to be 68.6% Caucasian, 13.7% African-American, 8.3% Asian, and 17.7% Hispanic (of any race).

## CANCER CARE FACILITIES

A total of 61 in-state hospitals, 60 surgery centres, and 24 free-standing radiation centres diagnose and treat cancer in New Jersey. In addition, many private physicians and in-office pathologists, dentists, psychiatric facilities, rehabilitation facilities, and nursing homes provide cancer services, and residents also have access to cancer centres in neighbouring states.

## REGISTRY STRUCTURE AND METHODS

Cancer Epidemiology Services (CES) is located in the State of New Jersey Department of Health's Division of Epidemiology, Environmental and Occupational Health, and is financed by state and federal funds. There are 40 full-time and part-time staff members working on cancer registry and surveillance activities. Health care facilities are required by law to report cancer cases electronically within 3 months of discharge or 6 months of diagnosis, or face a penalty. The majority of cases are reported by hospitals. Matching with the department's other databases has also resulted in the identification of cases. More than 10 000 case reports are received annually from out-of-state sources through reciprocal reporting agreements. Definite and possible duplicates are resolved by staff members. Patients' vital status is updated through active and passive follow-up by linkage with state and national data sources. The NJSCR has achieved North American Association of Central Cancer Registries (NAACCR) Gold Certification.

## INTERPRETING THE RESULTS

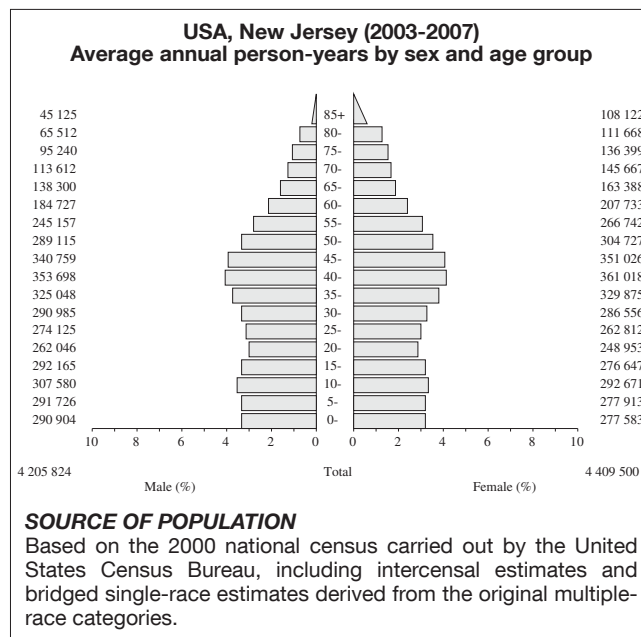
The registry's coverage area has not changed. Incidence rates of many types of cancer vary by race/ethnicity. Changes in cancer screening patterns have had impacts on breast, colorectal, cervical, and prostate cancers. The implementation of electronic pathology laboratory reporting has improved melanoma reporting.

## USE OF THE DATA

CES monitors cancer incidence trends, disseminates data, and addresses citizens' concerns about cancer. It also publishes reports and articles based on registry data. The data are used for a wide range of purposes, including applications in cancer control and prevention, etiological studies, policy-making, and epidemiological research.

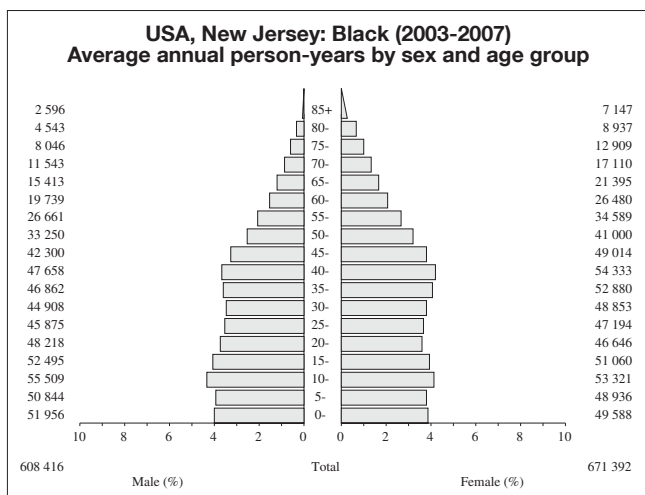
## CONTRIBUTORS

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Henry Lewis



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

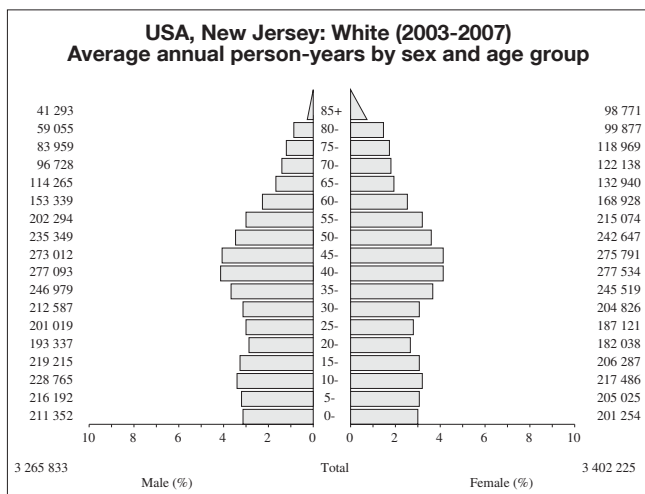
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 118.3 | Breast                     | 91.1  |
| Trachea, bronchus and lung | 48.0  | Trachea, bronchus and lung | 36.2  |
| Bladder                    | 26.4  | Corpus uteri               | 21.0  |
| Colon                      | 25.1  | Colon                      | 19.5  |
| Melanoma of skin           | 17.0  | Thyroid                    | 16.6  |
| Non-Hodgkin lymphoma       | 17.0  | Melanoma of skin           | 12.6  |
| Kidney                     | 13.6  | Non-Hodgkin lymphoma       | 11.8  |
| Rectum                     | 12.3  | Ovary                      | 10.2  |
| Pancreas                   | 8.9   | Rectum                     | 7.6   |
| Stomach                    | 7.6   | Cervix uteri               | 7.4   |
| All sites                  | 390.7 | All sites                  | 310.1 |



NOTES ON THE DATA: \*No official mortality data.

**USA, NEW JERSEY: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 176.2 | Breast                     | 79.0  |
| Trachea, bronchus and lung | 58.7  | Trachea, bronchus and lung | 34.2  |
| Colon                      | 29.0  | Colon                      | 24.8  |
| Kidney                     | 14.0  | Corpus uteri               | 15.8  |
| Non-Hodgkin lymphoma       | 13.4  | Cervix uteri               | 10.1  |
| Rectum                     | 11.9  | Non-Hodgkin lymphoma       | 9.4   |
| Bladder                    | 11.9  | Thyroid                    | 8.6   |
| Stomach                    | 10.4  | Rectum                     | 7.8   |
| Pancreas                   | 9.8   | Pancreas                   | 7.7   |
| Liver                      | 8.9   | Ovary                      | 7.6   |
| All sites                  | 430.3 | All sites                  | 277.5 |



NOTES ON THE DATA: \*No official mortality data.

**USA, NEW JERSEY: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.9 | Breast                     | 94.2  |
| Trachea, bronchus and lung | 48.0  | Trachea, bronchus and lung | 37.8  |
| Bladder                    | 28.3  | Corpus uteri               | 22.1  |
| Colon                      | 25.0  | Colon                      | 18.9  |
| Melanoma of skin           | 19.5  | Thyroid                    | 17.9  |
| Non-Hodgkin lymphoma       | 17.5  | Melanoma of skin           | 15.1  |
| Kidney                     | 13.9  | Non-Hodgkin lymphoma       | 12.3  |
| Rectum                     | 12.3  | Ovary                      | 10.8  |
| Pancreas                   | 9.0   | Bladder                    | 7.6   |
| Brain, nervous system      | 7.6   | Rectum                     | 7.6   |
| All sites                  | 388.6 | All sites                  | 319.7 |

## USA, New Jersey (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 96         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.03       | 71        | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 993        | 0.8       | 4.7                      | <b>3.5</b>   | 0.25                     | 0.43       | 443       | 0.4                      | 2.0       | <b>1.2</b>               | 0.08   | 0.14  | C01-02          |
| Mouth                        | 552        | 0.5       | 2.6                      | <b>1.9</b>   | 0.13                     | 0.22       | 410       | 0.4                      | 1.9       | <b>1.0</b>               | 0.05   | 0.12  | C03-06          |
| Salivary glands              | 344        | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                     | 0.11       | 259       | 0.2                      | 1.2       | <b>0.8</b>               | 0.05   | 0.09  | C07-08          |
| Tonsil                       | 483        | 0.4       | 2.3                      | <b>1.7</b>   | 0.14                     | 0.21       | 126       | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 145        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       | 53        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 168        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.06       | 78        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 247        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                     | 0.11       | 60        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 59         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02       | 24        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 1759       | 1.5       | 8.4                      | <b>5.7</b>   | 0.31                     | 0.71       | 569       | 0.5                      | 2.6       | <b>1.3</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 2436       | 2.1       | 11.6                     | <b>7.6</b>   | 0.37                     | 0.89       | 1674      | 1.5                      | 7.6       | <b>3.7</b>               | 0.18   | 0.40  | C16             |
| Small intestine              | 519        | 0.4       | 2.5                      | <b>1.7</b>   | 0.10                     | 0.21       | 471       | 0.4                      | 2.1       | <b>1.2</b>               | 0.07   | 0.15  | C17             |
| Colon                        | 8250       | 7.0       | 39.2                     | <b>25.1</b>  | 1.12                     | 2.87       | 9128      | 8.0                      | 41.4      | <b>19.5</b>              | 0.89   | 2.13  | C18             |
| Rectum                       | 3809       | 3.2       | 18.1                     | <b>12.3</b>  | 0.69                     | 1.48       | 3103      | 2.7                      | 14.1      | <b>7.6</b>               | 0.44   | 0.88  | C19-20          |
| Anus                         | 249        | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                     | 0.10       | 429       | 0.4                      | 1.9       | <b>1.2</b>               | 0.09   | 0.13  | C21             |
| Liver                        | 2063       | 1.7       | 9.8                      | <b>6.9</b>   | 0.45                     | 0.84       | 895       | 0.8                      | 4.1       | <b>2.1</b>               | 0.11   | 0.23  | C22             |
| Gallbladder etc.             | 611        | 0.5       | 2.9                      | <b>1.8</b>   | 0.08                     | 0.21       | 948       | 0.8                      | 4.3       | <b>2.0</b>               | 0.09   | 0.24  | C23-24          |
| Pancreas                     | 2869       | 2.4       | 13.6                     | <b>8.9</b>   | 0.44                     | 1.04       | 2995      | 2.6                      | 13.6      | <b>6.5</b>               | 0.29   | 0.74  | C25             |
| Nose, sinuses etc.           | 168        | 0.1       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.06       | 137       | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 1430       | 1.2       | 6.8                      | <b>4.8</b>   | 0.28                     | 0.60       | 358       | 0.3                      | 1.6       | <b>1.0</b>               | 0.06   | 0.13  | C32             |
| Trachea, bronchus and lung   | 15310      | 12.9      | 72.8                     | <b>48.0</b>  | 2.13                     | 5.96       | 14708     | 12.8                     | 66.7      | <b>36.2</b>              | 1.79   | 4.58  | C33-34          |
| Other thoracic organs        | 151        | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06       | 102       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 283        | 0.2       | 1.3                      | <b>1.2</b>   | 0.08                     | 0.10       | 228       | 0.2                      | 1.0       | <b>1.0</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 5138       | 4.3       | 24.4                     | <b>17.0</b>  | 0.99                     | 1.95       | 4149      | 3.6                      | 18.8      | <b>12.6</b>              | 0.87   | 1.30  | C43             |
| Other skin                   | 384        | 0.3       | 1.8                      | <b>1.2</b>   | 0.06                     | 0.12       | 324       | 0.3                      | 1.5       | <b>0.9</b>               | 0.05   | 0.08  | C44             |
| Mesothelioma                 | 541        | 0.5       | 2.6                      | <b>1.5</b>   | 0.04                     | 0.16       | 165       | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 212        | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                     | 0.06       | 40        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 817        | 0.7       | 3.9                      | <b>2.9</b>   | 0.17                     | 0.28       | 701       | 0.6                      | 3.2       | <b>2.2</b>               | 0.14   | 0.21  | C47+C49         |
| Breast                       | 335        | 0.3       | 1.6                      | <b>1.0</b>   | 0.05                     | 0.12       | 31732     | 27.7                     | 143.9     | <b>91.1</b>              | 6.47   | 10.42 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 595       | 0.5                      | 2.7       | <b>1.4</b>               | 0.09   | 0.16  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 191       | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 2202      | 1.9                      | 10.0      | <b>7.4</b>               | 0.57   | 0.74  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 7212      | 6.3                      | 32.7      | <b>21.0</b>              | 1.52   | 2.62  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 230       | 0.2                      | 1.0       | <b>0.6</b>               | 0.03   | 0.07  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 3622      | 3.2                      | 16.4      | <b>10.2</b>              | 0.71   | 1.15  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 166       | 0.1                      | 0.8       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 27        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 157        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 35070      | 29.6      | 166.8                    | <b>118.3</b> | 6.24                     | 16.10      |           |                          |           |                          |        |       | C61             |
| Testis                       | 1183       | 1.0       | 5.6                      | <b>5.2</b>   | 0.39                     | 0.40       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 47         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 4001       | 3.4       | 19.0                     | <b>13.6</b>  | 0.83                     | 1.64       | 2495      | 2.2                      | 11.3      | <b>6.9</b>               | 0.42   | 0.81  | C64             |
| Renal pelvis                 | 269        | 0.2       | 1.3                      | <b>0.8</b>   | 0.03                     | 0.09       | 155       | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.04  | C65             |
| Ureter                       | 147        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.05       | 105       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 8765       | 7.4       | 41.7                     | <b>26.4</b>  | 1.08                     | 3.09       | 3185      | 2.8                      | 14.4      | <b>7.2</b>               | 0.33   | 0.84  | C67             |
| Other urinary organs         | 86         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03       | 40        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 208        | 0.2       | 1.0                      | <b>0.8</b>   | 0.04                     | 0.08       | 160       | 0.1                      | 0.7       | <b>0.6</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 1788       | 1.5       | 8.5                      | <b>7.0</b>   | 0.43                     | 0.69       | 1474      | 1.3                      | 6.7       | <b>5.0</b>               | 0.30   | 0.47  | C70-72          |
| Thyroid                      | 1436       | 1.2       | 6.8                      | <b>5.3</b>   | 0.39                     | 0.55       | 4676      | 4.1                      | 21.2      | <b>16.6</b>              | 1.29   | 1.60  | C73             |
| Adrenal gland                | 68         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.03       | 70        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 36         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 46        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 761        | 0.6       | 3.6                      | <b>3.2</b>   | 0.22                     | 0.28       | 691       | 0.6                      | 3.1       | <b>2.9</b>               | 0.19   | 0.23  | C81             |
| Non-Hodgkin lymphoma         | 5137       | 4.3       | 24.4                     | <b>17.0</b>  | 0.99                     | 1.82       | 4588      | 4.0                      | 20.8      | <b>11.8</b>              | 0.66   | 1.33  | C82-85,C96      |
| Immunoproliferative diseases | 98         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 67        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 1567       | 1.3       | 7.5                      | <b>5.0</b>   | 0.24                     | 0.61       | 1367      | 1.2                      | 6.2       | <b>3.3</b>               | 0.18   | 0.38  | C90             |
| Lymphoid leukaemia           | 1831       | 1.5       | 8.7                      | <b>6.8</b>   | 0.35                     | 0.65       | 1328      | 1.2                      | 6.0       | <b>4.1</b>               | 0.19   | 0.38  | C91             |
| Myeloid leukaemia            | 1503       | 1.3       | 7.1                      | <b>5.0</b>   | 0.27                     | 0.50       | 1209      | 1.1                      | 5.5       | <b>3.4</b>               | 0.20   | 0.34  | C92-94          |
| Leukaemia unspecified        | 103        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 115       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 641        | 0.5       | 3.0                      | <b>2.1</b>   | 0.12                     | 0.22       | 589       | 0.5                      | 2.7       | <b>1.5</b>               | 0.08   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 1232       | 1.0       | 5.9                      | <b>3.5</b>   | 0.10                     | 0.36       | 985       | 0.9                      | 4.5       | <b>2.1</b>               | 0.07   | 0.23  | MDS             |
| Other and unspecified        | 2321       | 2.0       | 11.0                     | <b>7.0</b>   | 0.33                     | 0.75       | 2868      | 2.5                      | 13.0      | <b>6.2</b>               | 0.29   | 0.68  | O&U             |
| All sites                    | 118876     |           | 565.3                    | <b>390.7</b> | 20.41                    | 47.17      | 114838    |                          | 520.9     | <b>310.1</b>             | 19.28  | 34.97 | C00-96          |
| All sites except C44         | 118492     | 100.0     | 563.5                    | <b>389.4</b> | 20.34                    | 47.06      | 114514    | 100.0                    | 519.4     | <b>309.2</b>             | 19.23  | 34.88 | C00-96 exc. C44 |

§Includes 14 cases of unknown age

§Includes 13 cases of unknown age

**\*USA, New Jersey: Black (2003-2007)**

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00       | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 102        | 0.8       | 3.4                      | <b>3.4</b>   | 0.24                     | 0.42       | 36        | 0.3                      | 1.1       | <b>0.9</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 61         | 0.5       | 2.0                      | <b>2.0</b>   | 0.15                     | 0.26       | 46        | 0.4                      | 1.4       | <b>1.0</b>               | 0.07   | 0.11  | C03-06          |
| Salivary glands              | 26         | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.08       | 40        | 0.3                      | 1.2       | <b>1.1</b>               | 0.08   | 0.10  | C07-08          |
| Tonsil                       | 61         | 0.5       | 2.0                      | <b>2.0</b>   | 0.14                     | 0.27       | 16        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 15         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.06       | 10        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C10             |
| Nasopharynx                  | 29         | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.10       | 17        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.03  | C11             |
| Hypopharynx                  | 54         | 0.4       | 1.8                      | <b>1.8</b>   | 0.11                     | 0.24       | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 10         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04       | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 223        | 1.7       | 7.3                      | <b>7.3</b>   | 0.46                     | 0.90       | 90        | 0.7                      | 2.7       | <b>2.0</b>               | 0.13   | 0.23  | C15             |
| Stomach                      | 325        | 2.5       | 10.7                     | <b>10.4</b>  | 0.49                     | 1.22       | 262       | 2.2                      | 7.8       | <b>5.3</b>               | 0.22   | 0.57  | C16             |
| Small intestine              | 72         | 0.6       | 2.4                      | <b>2.3</b>   | 0.13                     | 0.30       | 79        | 0.7                      | 2.4       | <b>1.7</b>               | 0.11   | 0.21  | C17             |
| Colon                        | 907        | 6.9       | 29.8                     | <b>29.0</b>  | 1.43                     | 3.35       | 1148      | 9.5                      | 34.2      | <b>24.8</b>              | 1.30   | 2.87  | C18             |
| Rectum                       | 369        | 2.8       | 12.1                     | <b>11.9</b>  | 0.69                     | 1.48       | 345       | 2.9                      | 10.3      | <b>7.8</b>               | 0.46   | 0.95  | C19-20          |
| Anus                         | 41         | 0.3       | 1.3                      | <b>1.3</b>   | 0.08                     | 0.16       | 58        | 0.5                      | 1.7       | <b>1.3</b>               | 0.08   | 0.16  | C21             |
| Liver                        | 274        | 2.1       | 9.0                      | <b>8.9</b>   | 0.69                     | 1.10       | 128       | 1.1                      | 3.8       | <b>3.0</b>               | 0.19   | 0.38  | C22             |
| Gallbladder etc.             | 59         | 0.5       | 1.9                      | <b>1.9</b>   | 0.08                     | 0.25       | 117       | 1.0                      | 3.5       | <b>2.6</b>               | 0.12   | 0.30  | C23-24          |
| Pancreas                     | 310        | 2.4       | 10.2                     | <b>9.8</b>   | 0.54                     | 1.13       | 362       | 3.0                      | 10.8      | <b>7.7</b>               | 0.35   | 0.85  | C25             |
| Nose, sinuses etc.           | 18         | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.06       | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 217        | 1.7       | 7.1                      | <b>7.3</b>   | 0.44                     | 0.98       | 56        | 0.5                      | 1.7       | <b>1.3</b>               | 0.08   | 0.18  | C32             |
| Trachea, bronchus and lung   | 1791       | 13.7      | 58.9                     | <b>58.7</b>  | 3.19                     | 7.43       | 1521      | 12.6                     | 45.3      | <b>34.2</b>              | 1.94   | 4.19  | C33-34          |
| Other thoracic organs        | 11         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.04       | 18        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 39         | 0.3       | 1.3                      | <b>1.2</b>   | 0.09                     | 0.09       | 26        | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 20         | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.08       | 34        | 0.3                      | 1.0       | <b>0.7</b>               | 0.04   | 0.07  | C43             |
| Other skin                   | 29         | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.09       | 44        | 0.4                      | 1.3       | <b>1.0</b>               | 0.07   | 0.09  | C44             |
| Mesothelioma                 | 23         | 0.2       | 0.8                      | <b>0.7</b>   | 0.02                     | 0.07       | 11        | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.03  | C45             |
| Kaposi sarcoma               | 61         | 0.5       | 2.0                      | <b>1.7</b>   | 0.13                     | 0.15       | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C46             |
| Connective and soft tissue   | 95         | 0.7       | 3.1                      | <b>2.9</b>   | 0.16                     | 0.25       | 93        | 0.8                      | 2.8       | <b>2.4</b>               | 0.15   | 0.23  | C47+C49         |
| Breast                       | 45         | 0.3       | 1.5                      | <b>1.5</b>   | 0.08                     | 0.19       | 3359      | 27.9                     | 100.1     | <b>79.0</b>              | 5.68   | 9.06  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 52        | 0.4                      | 1.5       | <b>1.2</b>               | 0.09   | 0.13  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 35        | 0.3                      | 1.0       | <b>0.9</b>               | 0.05   | 0.12  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 423       | 3.5                      | 12.6      | <b>10.1</b>              | 0.76   | 1.05  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 659       | 5.5                      | 19.6      | <b>15.8</b>              | 0.99   | 2.07  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 38        | 0.3                      | 1.1       | <b>0.9</b>               | 0.06   | 0.11  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 328       | 2.7                      | 9.8       | <b>7.6</b>               | 0.50   | 0.85  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 19        | 0.2                      | 0.6       | <b>0.4</b>               | 0.03   | 0.03  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 10        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C58             |
| Penis                        | 11         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.05       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 5224       | 40.0      | 171.7                    | <b>176.2</b> | 9.88                     | 23.84      |           |                          |           |                          |        |       | C61             |
| Testis                       | 37         | 0.3       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.10       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 4          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 436        | 3.3       | 14.3                     | <b>14.0</b>  | 0.86                     | 1.71       | 287       | 2.4                      | 8.5       | <b>6.8</b>               | 0.42   | 0.84  | C64             |
| Renal pelvis                 | 9          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 6          | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 369        | 2.8       | 12.1                     | <b>11.9</b>  | 0.52                     | 1.34       | 225       | 1.9                      | 6.7       | <b>4.5</b>               | 0.18   | 0.48  | C67             |
| Other urinary organs         | 10         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04       | 10        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C68             |
| Eye                          | 7          | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.02       | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C69             |
| Brain, nervous system        | 120        | 0.9       | 3.9                      | <b>3.9</b>   | 0.24                     | 0.37       | 99        | 0.8                      | 2.9       | <b>2.6</b>               | 0.18   | 0.23  | C70-72          |
| Thyroid                      | 83         | 0.6       | 2.7                      | <b>2.7</b>   | 0.19                     | 0.28       | 344       | 2.9                      | 10.2      | <b>8.6</b>               | 0.66   | 0.89  | C73             |
| Adrenal gland                | 12         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.03       | 10        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 3          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 96         | 0.7       | 3.2                      | <b>3.0</b>   | 0.21                     | 0.27       | 81        | 0.7                      | 2.4       | <b>2.3</b>               | 0.16   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 431        | 3.3       | 14.2                     | <b>13.4</b>  | 0.95                     | 1.44       | 401       | 3.3                      | 11.9      | <b>9.4</b>               | 0.62   | 1.05  | C82-85,C96      |
| Immunoproliferative diseases | 5          | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01       | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 271        | 2.1       | 8.9                      | <b>8.7</b>   | 0.43                     | 1.09       | 304       | 2.5                      | 9.1       | <b>6.5</b>               | 0.32   | 0.75  | C90             |
| Lymphoid leukaemia           | 124        | 0.9       | 4.1                      | <b>4.2</b>   | 0.25                     | 0.38       | 97        | 0.8                      | 2.9       | <b>2.6</b>               | 0.13   | 0.25  | C91             |
| Myeloid leukaemia            | 129        | 1.0       | 4.2                      | <b>4.1</b>   | 0.20                     | 0.43       | 131       | 1.1                      | 3.9       | <b>3.2</b>               | 0.22   | 0.31  | C92-94          |
| Leukaemia unspecified        | 11         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.04       | 13        | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 72         | 0.6       | 2.4                      | <b>2.2</b>   | 0.14                     | 0.26       | 69        | 0.6                      | 2.1       | <b>1.6</b>               | 0.10   | 0.18  | MPD             |
| Myelodysplastic syndromes    | 81         | 0.6       | 2.7                      | <b>2.5</b>   | 0.08                     | 0.26       | 123       | 1.0                      | 3.7       | <b>2.6</b>               | 0.11   | 0.30  | MDS             |
| Other and unspecified        | 265        | 2.0       | 8.7                      | <b>8.6</b>   | 0.47                     | 0.94       | 335       | 2.8                      | 10.0      | <b>7.0</b>               | 0.36   | 0.77  | O&U             |
| All sites                    | 13104      |           | 430.8                    | <b>430.3</b> | 24.28                    | 53.73      | 12071     |                          | 359.6     | <b>277.5</b>             | 17.38  | 31.73 | C00-96          |
| All sites except C44         | 13075      | 100.0     | 429.8                    | <b>429.4</b> | 24.22                    | 53.64      | 12027     | 100.0                    | 358.3     | <b>276.5</b>             | 17.30  | 31.63 | C00-96 exc. C44 |

§Includes 1 case of unknown age

§Includes 1 case of unknown age

\*See note following population pyramid

**\*USA, New Jersey: White (2003-2007)**

| SITE                         | Male       |           |                          |              |                     |          | Female     |           |                          |              |                     |          | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|------------|-----------|--------------------------|--------------|---------------------|----------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) |                 |
| Lip                          | 90         | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04     | 66         | 0.1       | 0.4                      | <b>0.1</b>   | 0.00                | 0.02     | C00             |
| Tongue                       | 854        | 0.9       | 5.2                      | <b>3.6</b>   | 0.26                | 0.44     | 380        | 0.4       | 2.2                      | <b>1.2</b>   | 0.08                | 0.14     | C01-02          |
| Mouth                        | 444        | 0.4       | 2.7                      | <b>1.8</b>   | 0.12                | 0.21     | 340        | 0.3       | 2.0                      | <b>1.0</b>   | 0.05                | 0.12     | C03-06          |
| Salivary glands              | 307        | 0.3       | 1.9                      | <b>1.1</b>   | 0.06                | 0.12     | 207        | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.08     | C07-08          |
| Tonsil                       | 417        | 0.4       | 2.6                      | <b>1.8</b>   | 0.14                | 0.22     | 106        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05     | C09             |
| Other oropharynx             | 128        | 0.1       | 0.8                      | <b>0.5</b>   | 0.04                | 0.07     | 42         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02     | C10             |
| Nasopharynx                  | 99         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05     | 47         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02     | C11             |
| Hypopharynx                  | 185        | 0.2       | 1.1                      | <b>0.7</b>   | 0.05                | 0.09     | 48         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02     | C12-13          |
| Pharynx unspecified          | 46         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02     | 20         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     | C14             |
| Oesophagus                   | 1494       | 1.5       | 9.1                      | <b>5.8</b>   | 0.31                | 0.72     | 463        | 0.5       | 2.7                      | <b>1.2</b>   | 0.05                | 0.14     | C15             |
| Stomach                      | 1915       | 1.9       | 11.7                     | <b>7.0</b>   | 0.34                | 0.81     | 1296       | 1.3       | 7.6                      | <b>3.3</b>   | 0.15                | 0.35     | C16             |
| Small intestine              | 419        | 0.4       | 2.6                      | <b>1.6</b>   | 0.10                | 0.20     | 374        | 0.4       | 2.2                      | <b>1.1</b>   | 0.06                | 0.14     | C17             |
| Colon                        | 7057       | 7.1       | 43.2                     | <b>25.0</b>  | 1.10                | 2.86     | 7666       | 7.9       | 45.1                     | <b>18.9</b>  | 0.83                | 2.04     | C18             |
| Rectum                       | 3204       | 3.2       | 19.6                     | <b>12.3</b>  | 0.67                | 1.47     | 2613       | 2.7       | 15.4                     | <b>7.6</b>   | 0.44                | 0.87     | C19-20          |
| Anus                         | 202        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                | 0.09     | 366        | 0.4       | 2.2                      | <b>1.2</b>   | 0.09                | 0.14     | C21             |
| Liver                        | 1592       | 1.6       | 9.7                      | <b>6.3</b>   | 0.39                | 0.76     | 704        | 0.7       | 4.1                      | <b>1.9</b>   | 0.09                | 0.20     | C22             |
| Gallbladder etc.             | 522        | 0.5       | 3.2                      | <b>1.8</b>   | 0.09                | 0.20     | 778        | 0.8       | 4.6                      | <b>1.9</b>   | 0.08                | 0.22     | C23-24          |
| Pancreas                     | 2459       | 2.5       | 15.1                     | <b>9.0</b>   | 0.44                | 1.06     | 2553       | 2.6       | 15.0                     | <b>6.5</b>   | 0.29                | 0.74     | C25             |
| Nose, sinuses etc.           | 141        | 0.1       | 0.9                      | <b>0.6</b>   | 0.03                | 0.06     | 122        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                | 0.04     | C30-31          |
| Larynx                       | 1179       | 1.2       | 7.2                      | <b>4.6</b>   | 0.28                | 0.58     | 294        | 0.3       | 1.7                      | <b>1.0</b>   | 0.06                | 0.13     | C32             |
| Trachea, bronchus and lung   | 13099      | 13.2      | 80.2                     | <b>48.0</b>  | 2.08                | 5.98     | 12867      | 13.2      | 75.6                     | <b>37.8</b>  | 1.84                | 4.81     | C33-34          |
| Other thoracic organs        | 119        | 0.1       | 0.7                      | <b>0.6</b>   | 0.03                | 0.05     | 72         | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                | 0.03     | C37-38          |
| Bone                         | 227        | 0.2       | 1.4                      | <b>1.3</b>   | 0.08                | 0.10     | 190        | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                | 0.08     | C40-41          |
| Melanoma of skin             | 4877       | 4.9       | 29.9                     | <b>19.5</b>  | 1.14                | 2.24     | 3904       | 4.0       | 22.9                     | <b>15.1</b>  | 1.05                | 1.55     | C43             |
| Other skin                   | 332        |           | 2.0                      | <b>1.3</b>   | 0.06                | 0.12     | 269        |           | 1.6                      | <b>0.8</b>   | 0.05                | 0.09     | C44             |
| Mesothelioma                 | 508        | 0.5       | 3.1                      | <b>1.6</b>   | 0.04                | 0.18     | 151        | 0.2       | 0.9                      | <b>0.4</b>   | 0.02                | 0.04     | C45             |
| Kaposi sarcoma               | 138        | 0.1       | 0.8                      | <b>0.5</b>   | 0.04                | 0.05     | 30         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01     | C46             |
| Connective and soft tissue   | 684        | 0.7       | 4.2                      | <b>3.0</b>   | 0.17                | 0.29     | 573        | 0.6       | 3.4                      | <b>2.2</b>   | 0.14                | 0.21     | C47+C49         |
| Breast                       | 282        | 0.3       | 1.7                      | <b>1.0</b>   | 0.05                | 0.11     | 26873      | 27.6      | 158.0                    | <b>94.2</b>  | 6.67                | 10.79    | C50             |
| Vulva                        |            |           |                          |              |                     |          | 523        | 0.5       | 3.1                      | <b>1.5</b>   | 0.09                | 0.16     | C51             |
| Vagina                       |            |           |                          |              |                     |          | 143        | 0.1       | 0.8                      | <b>0.4</b>   | 0.03                | 0.05     | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 1642       | 1.7       | 9.7                      | <b>7.1</b>   | 0.56                | 0.70     | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 6227       | 6.4       | 36.6                     | <b>22.1</b>  | 1.62                | 2.76     | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 186        | 0.2       | 1.1                      | <b>0.6</b>   | 0.03                | 0.06     | C55             |
| Ovary                        |            |           |                          |              |                     |          | 3133       | 3.2       | 18.4                     | <b>10.8</b>  | 0.75                | 1.22     | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 144        | 0.1       | 0.8                      | <b>0.4</b>   | 0.03                | 0.05     | C57             |
| Placenta                     |            |           |                          |              |                     |          | 12         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     | C58             |
| Penis                        | 138        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06     |            |           |                          |              |                     |          | C60             |
| Prostate                     | 27545      | 27.7      | 168.7                    | <b>109.9</b> | 5.77                | 14.98    |            |           |                          |              |                     |          | C61             |
| Testis                       | 1101       | 1.1       | 6.7                      | <b>6.4</b>   | 0.48                | 0.49     |            |           |                          |              |                     |          | C62             |
| Other male genital organs    | 39         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     |            |           |                          |              |                     |          | C63             |
| Kidney                       | 3422       | 3.4       | 21.0                     | <b>13.9</b>  | 0.85                | 1.68     | 2119       | 2.2       | 12.5                     | <b>7.1</b>   | 0.43                | 0.83     | C64             |
| Renal pelvis                 | 250        | 0.3       | 1.5                      | <b>0.9</b>   | 0.03                | 0.10     | 146        | 0.1       | 0.9                      | <b>0.4</b>   | 0.02                | 0.05     | C65             |
| Ureter                       | 135        | 0.1       | 0.8                      | <b>0.4</b>   | 0.01                | 0.05     | 93         | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.03     | C66             |
| Bladder                      | 8039       | 8.1       | 49.2                     | <b>28.3</b>  | 1.17                | 3.35     | 2838       | 2.9       | 16.7                     | <b>7.6</b>   | 0.36                | 0.91     | C67             |
| Other urinary organs         | 72         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02     | 27         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01     | C68             |
| Eye                          | 193        | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                | 0.10     | 151        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.06     | C69             |
| Brain, nervous system        | 1573       | 1.6       | 9.6                      | <b>7.6</b>   | 0.46                | 0.75     | 1296       | 1.3       | 7.6                      | <b>5.5</b>   | 0.33                | 0.52     | C70-72          |
| Thyroid                      | 1248       | 1.3       | 7.6                      | <b>5.7</b>   | 0.43                | 0.59     | 3925       | 4.0       | 23.1                     | <b>17.9</b>  | 1.39                | 1.72     | C73             |
| Adrenal gland                | 51         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02     | 56         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02     | C74             |
| Other endocrine              | 32         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | 34         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | C75             |
| Hodgkin lymphoma             | 625        | 0.6       | 3.8                      | <b>3.4</b>   | 0.22                | 0.29     | 582        | 0.6       | 3.4                      | <b>3.1</b>   | 0.21                | 0.25     | C81             |
| Non-Hodgkin lymphoma         | 4448       | 4.5       | 27.2                     | <b>17.5</b>  | 1.00                | 1.88     | 3998       | 4.1       | 23.5                     | <b>12.3</b>  | 0.68                | 1.39     | C82-85,C96      |
| Immunoproliferative diseases | 90         | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03     | 61         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02     | C88             |
| Multiple myeloma             | 1232       | 1.2       | 7.5                      | <b>4.6</b>   | 0.22                | 0.56     | 996        | 1.0       | 5.9                      | <b>2.8</b>   | 0.16                | 0.32     | C90             |
| Lymphoid leukaemia           | 1595       | 1.6       | 9.8                      | <b>7.2</b>   | 0.37                | 0.68     | 1160       | 1.2       | 6.8                      | <b>4.3</b>   | 0.20                | 0.39     | C91             |
| Myeloid leukaemia            | 1308       | 1.3       | 8.0                      | <b>5.2</b>   | 0.28                | 0.52     | 1011       | 1.0       | 5.9                      | <b>3.3</b>   | 0.19                | 0.34     | C92-94          |
| Leukaemia unspecified        | 89         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03     | 96         | 0.1       | 0.6                      | <b>0.2</b>   | 0.01                | 0.02     | C95             |
| Myeloproliferative disorders | 533        | 0.5       | 3.3                      | <b>2.1</b>   | 0.11                | 0.22     | 482        | 0.5       | 2.8                      | <b>1.4</b>   | 0.07                | 0.15     | MPD             |
| Myelodysplastic syndromes    | 1103       | 1.1       | 6.8                      | <b>3.6</b>   | 0.10                | 0.37     | 836        | 0.9       | 4.9                      | <b>2.0</b>   | 0.07                | 0.22     | MDS             |
| Other and unspecified        | 1980       | 2.0       | 12.1                     | <b>6.9</b>   | 0.32                | 0.75     | 2445       | 2.5       | 14.4                     | <b>6.2</b>   | 0.28                | 0.68     | O&U             |
| All sites                    | 99861      |           | 611.5                    | <b>388.6</b> | 20.18               | 46.77    | 97776      |           | 574.8                    | <b>319.7</b> | 19.89               | 36.06    | C00-96          |
| All sites except C44         | 99529      | 100.0     | 609.5                    | <b>387.4</b> | 20.12               | 46.65    | 97507      | 100.0     | 573.2                    | <b>318.8</b> | 19.84               | 35.97    | C00-96 exc. C44 |

§Includes 8 cases of unknown age

§Includes 8 cases of unknown age

\*See note following population pyramid





# USA, New Mexico

## REGISTRATION AREA

The New Mexico Tumor Registry (NMTR) covers New Mexico, which is the fifth largest state in the USA, with an area of 314 159 km<sup>2</sup>. About one third of the state's 1.9 million residents live in the Albuquerque area; the remaining residents live in small cities, towns, and villages and in rural areas. New Mexico's diverse population includes Hispanics, American Indians, African-Americans, Asians, and non-Hispanic Whites. Many Hispanics in the state can trace their ancestry to Spanish colonists who settled in the area several centuries ago. The median education and income levels in New Mexico are among the lowest in the USA.

## CANCER CARE FACILITIES

Cancer care is provided by public and private hospitals in population centres throughout New Mexico and in neighbouring states. Community-based oncologists, surgeons, and other health professionals are also key providers of cancer care.

## REGISTRY STRUCTURE AND METHODS

The NMTR is a population-based registry that was established in 1966 and is a founding member of the National Cancer Institute's SEER Program. Cancer surveillance in New Mexico is a collaborative effort of the registry, the New Mexico Department of Health, the federal Indian Health Service, and – importantly – hospital-based cancer registrars, health care providers, and administrators. The registry also routinely receives information from registries and care providers in neighbouring states, for New Mexico residents who travel out of the state for cancer care. Cancer surveillance is conducted in accordance with the prevailing standards disseminated by the SEER Program and others.

## INTERPRETING THE RESULTS

Cancer incidence, mortality, and survival vary (sometimes widely) among New Mexico's diverse racial/ethnic groups, so it is important to consider race/ethnicity when interpreting the NMTR's data. During 2003–2007, New Mexico had six cancer

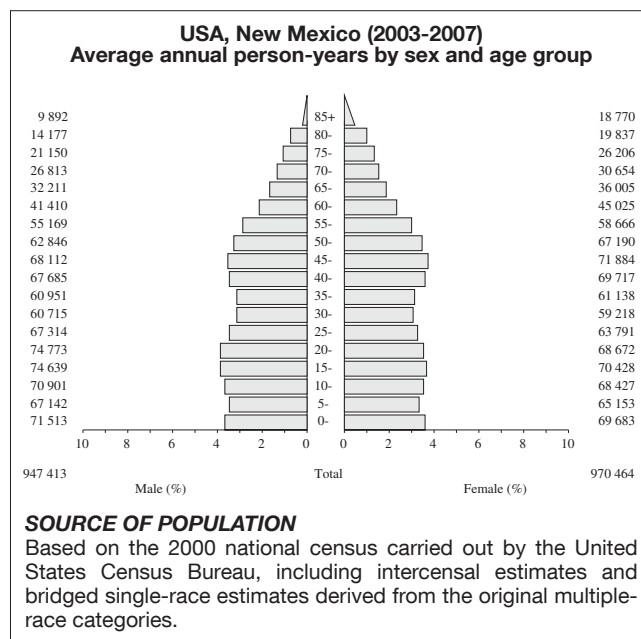
programmes that were accredited by the American College of Surgeons. Breast and cervical cancer screening programmes (for women aged 30–64 years) have been in place since 1992, with approximately 20% coverage.

## USE OF THE DATA

The NMTR maintains a robust research portfolio, and many investigators use registry data for scientific studies. Statistics are routinely tabulated and disseminated through published reports and via the registry's website. The registry also collaborates with the New Mexico Department of Health to address cancer-related concerns and public health issues.

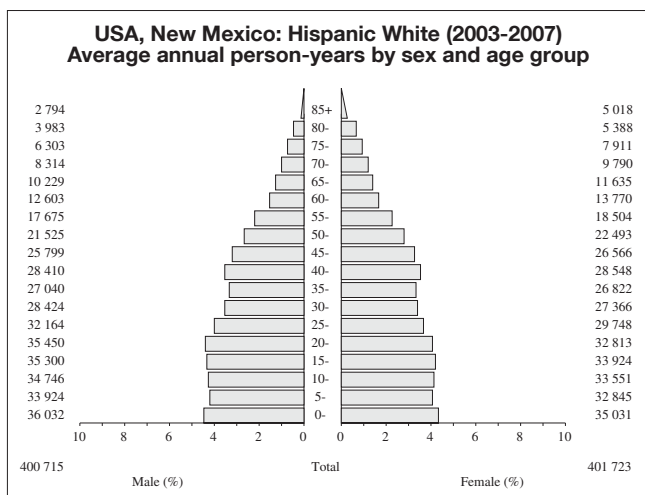
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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

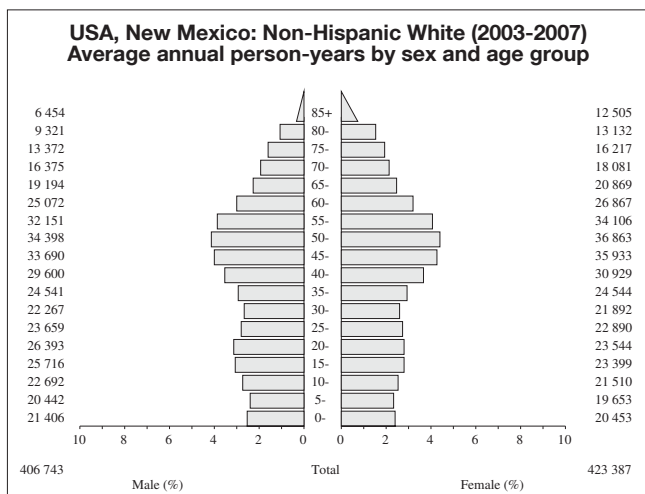
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 99.4  | Breast                     | 77.6  |
| Trachea, bronchus and lung | 34.3  | Trachea, bronchus and lung | 24.6  |
| Colon                      | 20.4  | Colon                      | 15.9  |
| Bladder                    | 15.5  | Thyroid                    | 15.5  |
| Melanoma of skin           | 14.1  | Corpus uteri               | 14.1  |
| Non-Hodgkin lymphoma       | 12.1  | Melanoma of skin           | 9.8   |
| Kidney                     | 11.4  | Non-Hodgkin lymphoma       | 9.7   |
| Rectum                     | 10.6  | Ovary                      | 8.9   |
| Liver                      | 8.4   | Cervix uteri               | 6.4   |
| Pancreas                   | 7.4   | Rectum                     | 6.4   |
| All sites                  | 318.9 | All sites                  | 253.4 |



NOTES ON THE DATA: \*No official mortality data.

**USA, NEW MEXICO: HISPANIC WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

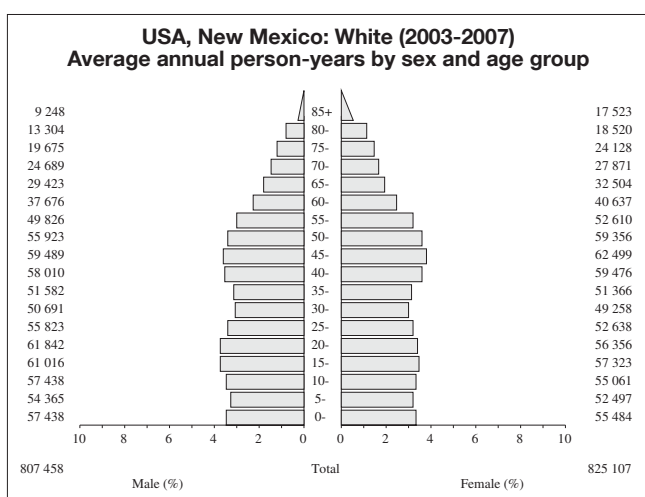
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 87.3  | Breast                     | 68.4  |
| Trachea, bronchus and lung | 24.2  | Trachea, bronchus and lung | 16.4  |
| Colon                      | 20.5  | Colon                      | 15.6  |
| Kidney                     | 13.8  | Thyroid                    | 14.6  |
| Liver                      | 13.3  | Corpus uteri               | 12.6  |
| Rectum                     | 12.4  | Non-Hodgkin lymphoma       | 8.4   |
| Bladder                    | 10.4  | Cervix uteri               | 7.8   |
| Non-Hodgkin lymphoma       | 9.3   | Ovary                      | 7.8   |
| Stomach                    | 9.2   | Kidney                     | 7.3   |
| Pancreas                   | 7.8   | Rectum                     | 6.3   |
| All sites                  | 277.3 | All sites                  | 224.4 |



NOTES ON THE DATA: \*No official mortality data.

**USA, NEW MEXICO: NON-HISPANIC WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 111.7 | Breast                     | 88.7  |
| Trachea, bronchus and lung | 42.0  | Trachea, bronchus and lung | 31.3  |
| Melanoma of skin           | 23.2  | Thyroid                    | 18.6  |
| Colon                      | 20.8  | Melanoma of skin           | 16.7  |
| Bladder                    | 19.8  | Colon                      | 16.5  |
| Non-Hodgkin lymphoma       | 15.1  | Corpus uteri               | 15.3  |
| Rectum                     | 10.0  | Non-Hodgkin lymphoma       | 10.9  |
| Kidney                     | 9.3   | Ovary                      | 9.8   |
| Lymphoid leukaemia         | 8.7   | Rectum                     | 6.7   |
| Brain, nervous system      | 7.7   | Cervix uteri               | 5.8   |
| All sites                  | 363.3 | All sites                  | 288.2 |



NOTES ON THE DATA: \*No official mortality data.

**USA, NEW MEXICO: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 103.2 | Breast                     | 81.5  |
| Trachea, bronchus and lung | 35.8  | Trachea, bronchus and lung | 26.1  |
| Colon                      | 20.7  | Thyroid                    | 16.6  |
| Bladder                    | 16.5  | Colon                      | 16.2  |
| Melanoma of skin           | 15.4  | Corpus uteri               | 14.4  |
| Non-Hodgkin lymphoma       | 12.8  | Melanoma of skin           | 11.0  |
| Kidney                     | 11.1  | Non-Hodgkin lymphoma       | 9.9   |
| Rectum                     | 10.7  | Ovary                      | 9.1   |
| Liver                      | 8.2   | Cervix uteri               | 6.6   |
| Pancreas                   | 7.5   | Rectum                     | 6.6   |
| All sites                  | 330.8 | All sites                  | 263.5 |

## USA, New Mexico (2003-2007)

| SITE                         | Male       |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 101        | 0.5       | 2.1                      | 1.5       | 0.07                     | 0.20      | 31        | 0.2                      | 0.6       | 0.4                      | 0.02   | 0.04  | C00             |
| Tongue                       | 163        | 0.8       | 3.4                      | 2.5       | 0.20                     | 0.29      | 65        | 0.3                      | 1.3       | 0.9                      | 0.07   | 0.10  | C01-02          |
| Mouth                        | 96         | 0.5       | 2.0                      | 1.5       | 0.10                     | 0.18      | 66        | 0.4                      | 1.4       | 0.8                      | 0.04   | 0.09  | C03-06          |
| Salivary glands              | 79         | 0.4       | 1.7                      | 1.2       | 0.07                     | 0.14      | 41        | 0.2                      | 0.8       | 0.5                      | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 91         | 0.4       | 1.9                      | 1.5       | 0.13                     | 0.16      | 20        | 0.1                      | 0.4       | 0.3                      | 0.02   | 0.03  | C09             |
| Other oropharynx             | 22         | 0.1       | 0.5                      | 0.3       | 0.03                     | 0.04      | 9         | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 33         | 0.2       | 0.7                      | 0.6       | 0.04                     | 0.06      | 13        | 0.1                      | 0.3       | 0.1                      | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 53         | 0.3       | 1.1                      | 0.9       | 0.06                     | 0.12      | 8         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.02  | C12-13          |
| Pharynx unspecified          | 14         | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.03      | 5         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 304        | 1.4       | 6.4                      | 4.5       | 0.25                     | 0.58      | 79        | 0.4                      | 1.6       | 0.9                      | 0.04   | 0.10  | C15             |
| Stomach                      | 460        | 2.2       | 9.7                      | 6.4       | 0.29                     | 0.77      | 278       | 1.5                      | 5.7       | 3.3                      | 0.17   | 0.36  | C16             |
| Small intestine              | 109        | 0.5       | 2.3                      | 1.7       | 0.10                     | 0.19      | 77        | 0.4                      | 1.6       | 1.0                      | 0.05   | 0.12  | C17             |
| Colon                        | 1427       | 6.7       | 30.1                     | 20.4      | 1.00                     | 2.48      | 1385      | 7.3                      | 28.5      | 15.9                     | 0.73   | 1.81  | C18             |
| Rectum                       | 695        | 3.3       | 14.7                     | 10.6      | 0.60                     | 1.31      | 499       | 2.6                      | 10.3      | 6.4                      | 0.41   | 0.74  | C19-20          |
| Anus                         | 51         | 0.2       | 1.1                      | 0.8       | 0.05                     | 0.10      | 91        | 0.5                      | 1.9       | 1.3                      | 0.08   | 0.15  | C21             |
| Liver                        | 546        | 2.6       | 11.5                     | 8.4       | 0.59                     | 0.96      | 222       | 1.2                      | 4.6       | 2.7                      | 0.15   | 0.32  | C22             |
| Gallbladder etc.             | 142        | 0.7       | 3.0                      | 2.0       | 0.09                     | 0.24      | 182       | 1.0                      | 3.8       | 2.2                      | 0.11   | 0.27  | C23-24          |
| Pancreas                     | 510        | 2.4       | 10.8                     | 7.4       | 0.39                     | 0.90      | 506       | 2.7                      | 10.4      | 5.7                      | 0.29   | 0.67  | C25             |
| Nose, sinuses etc.           | 38         | 0.2       | 0.8                      | 0.6       | 0.04                     | 0.07      | 22        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.03  | C30-31          |
| Larynx                       | 220        | 1.0       | 4.6                      | 3.3       | 0.19                     | 0.44      | 51        | 0.3                      | 1.1       | 0.7                      | 0.05   | 0.09  | C32             |
| Trachea, bronchus and lung   | 2450       | 11.6      | 51.7                     | 34.3      | 1.41                     | 4.40      | 2073      | 11.0                     | 42.7      | 24.6                     | 1.13   | 3.17  | C33-34          |
| Other thoracic organs        | 23         | 0.1       | 0.5                      | 0.4       | 0.02                     | 0.04      | 13        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 49         | 0.2       | 1.0                      | 0.9       | 0.06                     | 0.08      | 52        | 0.3                      | 1.1       | 1.0                      | 0.07   | 0.08  | C40-41          |
| Melanoma of skin             | 936        | 4.4       | 19.8                     | 14.1      | 0.85                     | 1.63      | 675       | 3.6                      | 13.9      | 9.8                      | 0.70   | 1.02  | C43             |
| Other skin                   | 79         | 0.4       | 1.7                      | 1.2       | 0.07                     | 0.13      | 50        | 0.3                      | 1.0       | 0.6                      | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 65         | 0.3       | 1.4                      | 0.9       | 0.03                     | 0.12      | 29        | 0.2                      | 0.6       | 0.3                      | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 36         | 0.2       | 0.8                      | 0.6       | 0.05                     | 0.05      | 3         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 195        | 0.9       | 4.1                      | 3.1       | 0.18                     | 0.28      | 124       | 0.7                      | 2.6       | 2.0                      | 0.13   | 0.18  | C47+C49         |
| Breast                       | 53         | 0.3       | 1.1                      | 0.8       | 0.05                     | 0.08      | 5555      | 29.5                     | 114.5     | 77.6                     | 5.53   | 9.01  | C50             |
| Vulva                        |            |           |                          |           |                          |           | 90        | 0.5                      | 1.9       | 1.2                      | 0.08   | 0.13  | C51             |
| Vagina                       |            |           |                          |           |                          |           | 36        | 0.2                      | 0.7       | 0.4                      | 0.03   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |           |                          |           | 394       | 2.1                      | 8.1       | 6.4                      | 0.49   | 0.66  | C53             |
| Corpus uteri                 |            |           |                          |           |                          |           | 995       | 5.3                      | 20.5      | 14.1                     | 1.09   | 1.67  | C54             |
| Uterus unspecified           |            |           |                          |           |                          |           | 30        | 0.2                      | 0.6       | 0.4                      | 0.02   | 0.05  | C55             |
| Ovary                        |            |           |                          |           |                          |           | 645       | 3.4                      | 13.3      | 8.9                      | 0.60   | 1.02  | C56             |
| Other female genital organs  |            |           |                          |           |                          |           | 33        | 0.2                      | 0.7       | 0.5                      | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |           |                          |           | 2         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C58             |
| Penis                        | 30         | 0.1       | 0.6                      | 0.4       | 0.03                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 6596       | 31.1      | 139.2                    | 99.4      | 4.96                     | 13.72     |           |                          |           |                          |        |       | C61             |
| Testis                       | 270        | 1.3       | 5.7                      | 5.5       | 0.41                     | 0.41      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 7          | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 737        | 3.5       | 15.6                     | 11.4      | 0.73                     | 1.37      | 468       | 2.5                      | 9.6       | 6.3                      | 0.40   | 0.73  | C64             |
| Renal pelvis                 | 21         | 0.1       | 0.4                      | 0.3       | 0.01                     | 0.03      | 12        | 0.1                      | 0.2       | 0.1                      | 0.01   | 0.02  | C65             |
| Ureter                       | 17         | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.03      | 9         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.01  | C66             |
| Bladder                      | 1124       | 5.3       | 23.7                     | 15.5      | 0.64                     | 1.85      | 382       | 2.0                      | 7.9       | 4.2                      | 0.18   | 0.50  | C67             |
| Other urinary organs         | 11         | 0.1       | 0.2                      | 0.2       | 0.01                     | 0.03      | 5         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 36         | 0.2       | 0.8                      | 0.6       | 0.03                     | 0.06      | 29        | 0.2                      | 0.6       | 0.5                      | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 328        | 1.5       | 6.9                      | 5.8       | 0.38                     | 0.58      | 227       | 1.2                      | 4.7       | 3.5                      | 0.22   | 0.34  | C70-72          |
| Thyroid                      | 263        | 1.2       | 5.6                      | 4.2       | 0.32                     | 0.46      | 914       | 4.8                      | 18.8      | 15.5                     | 1.24   | 1.49  | C73             |
| Adrenal gland                | 7          | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      | 12        | 0.1                      | 0.2       | 0.3                      | 0.01   | 0.02  | C74             |
| Other endocrine              | 4          | 0.0       | 0.1                      | 0.1       | 0.00                     | 0.01      | 5         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 131        | 0.6       | 2.8                      | 2.5       | 0.16                     | 0.24      | 106       | 0.6                      | 2.2       | 1.8                      | 0.11   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 808        | 3.8       | 17.1                     | 12.1      | 0.61                     | 1.43      | 753       | 4.0                      | 15.5      | 9.7                      | 0.53   | 1.13  | C82-85,C96      |
| Immunoproliferative diseases | 12         | 0.1       | 0.3                      | 0.1       | 0.01                     | 0.01      | 9         | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 290        | 1.4       | 6.1                      | 4.2       | 0.22                     | 0.53      | 221       | 1.2                      | 4.6       | 2.7                      | 0.15   | 0.33  | C90             |
| Lymphoid leukaemia           | 399        | 1.9       | 8.4                      | 6.9       | 0.35                     | 0.68      | 274       | 1.5                      | 5.6       | 4.1                      | 0.20   | 0.39  | C91             |
| Myeloid leukaemia            | 283        | 1.3       | 6.0                      | 4.4       | 0.23                     | 0.44      | 225       | 1.2                      | 4.6       | 3.3                      | 0.20   | 0.33  | C92-94          |
| Leukaemia unspecified        | 29         | 0.1       | 0.6                      | 0.4       | 0.01                     | 0.04      | 34        | 0.2                      | 0.7       | 0.5                      | 0.02   | 0.04  | C95             |
| Myeloproliferative disorders | 179        | 0.8       | 3.8                      | 2.8       | 0.17                     | 0.30      | 168       | 0.9                      | 3.5       | 2.2                      | 0.13   | 0.22  | MPD             |
| Myelodysplastic syndromes    | 187        | 0.9       | 3.9                      | 2.4       | 0.09                     | 0.24      | 140       | 0.7                      | 2.9       | 1.6                      | 0.07   | 0.19  | MDS             |
| Other and unspecified        | 463        | 2.2       | 9.8                      | 6.5       | 0.31                     | 0.76      | 460       | 2.4                      | 9.5       | 5.3                      | 0.26   | 0.61  | O&U             |
| All sites                    | 21272      |           | 449.1                    | 318.9     | 16.74                    | 39.37     | 18902     |                          | 389.5     | 253.4                    | 16.05  | 28.79 | C00-96          |
| All sites except C44         | 21193      | 100.0     | 447.4                    | 317.6     | 16.66                    | 39.24     | 18852     | 100.0                    | 388.5     | 252.8                    | 16.01  | 28.73 | C00-96 exc. C44 |

§Includes 2 cases of unknown age

## \*USA, New Mexico: Hispanic White (2003-2007)

| SITE                         | Male       |           |                          |              |                     | Female   |           |           |                          |              | ICD-10 |                     |                 |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|----------|-----------|-----------|--------------------------|--------------|--------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | 0-74 (%)        |
| Lip                          | 18         | 0.3       | 0.9                      | <b>0.9</b>   | 0.04                | 0.11     | 4         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C00             |
| Tongue                       | 34         | 0.6       | 1.7                      | <b>1.7</b>   | 0.13                | 0.19     | 15        | 0.3       | 0.7                      | <b>0.7</b>   | 0.08   | 0.08                | C01-02          |
| Mouth                        | 29         | 0.5       | 1.4                      | <b>1.4</b>   | 0.10                | 0.14     | 16        | 0.3       | 0.8                      | <b>0.6</b>   | 0.04   | 0.05                | C03-06          |
| Salivary glands              | 19         | 0.3       | 0.9                      | <b>0.8</b>   | 0.03                | 0.07     | 14        | 0.3       | 0.7                      | <b>0.5</b>   | 0.04   | 0.04                | C07-08          |
| Tonsil                       | 21         | 0.4       | 1.0                      | <b>1.0</b>   | 0.08                | 0.11     | 8         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.04                | C09             |
| Other oropharynx             | 4          | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02     | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C10             |
| Nasopharynx                  | 12         | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                | 0.06     | 4         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C11             |
| Hypopharynx                  | 18         | 0.3       | 0.9                      | <b>0.9</b>   | 0.06                | 0.12     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C12-13          |
| Pharynx unspecified          | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.02     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C14             |
| Oesophagus                   | 79         | 1.3       | 3.9                      | <b>3.6</b>   | 0.18                | 0.46     | 16        | 0.3       | 0.8                      | <b>0.7</b>   | 0.03   | 0.09                | C15             |
| Stomach                      | 208        | 3.5       | 10.4                     | <b>9.2</b>   | 0.46                | 1.09     | 133       | 2.4       | 6.6                      | <b>4.8</b>   | 0.24   | 0.52                | C16             |
| Small intestine              | 44         | 0.7       | 2.2                      | <b>2.1</b>   | 0.14                | 0.22     | 28        | 0.5       | 1.4                      | <b>1.0</b>   | 0.03   | 0.14                | C17             |
| Colon                        | 448        | 7.6       | 22.4                     | <b>20.5</b>  | 1.06                | 2.57     | 420       | 7.7       | 20.9                     | <b>15.6</b>  | 0.81   | 1.82                | C18             |
| Rectum                       | 260        | 4.4       | 13.0                     | <b>12.4</b>  | 0.66                | 1.66     | 158       | 2.9       | 7.9                      | <b>6.3</b>   | 0.36   | 0.74                | C19-20          |
| Anus                         | 7          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02     | 21        | 0.4       | 1.0                      | <b>0.9</b>   | 0.06   | 0.10                | C21             |
| Liver                        | 279        | 4.7       | 13.9                     | <b>13.3</b>  | 0.89                | 1.57     | 87        | 1.6       | 4.3                      | <b>3.4</b>   | 0.16   | 0.45                | C22             |
| Gallbladder etc.             | 43         | 0.7       | 2.1                      | <b>1.8</b>   | 0.05                | 0.22     | 68        | 1.2       | 3.4                      | <b>2.5</b>   | 0.11   | 0.29                | C23-24          |
| Pancreas                     | 165        | 2.8       | 8.2                      | <b>7.8</b>   | 0.43                | 0.95     | 162       | 3.0       | 8.1                      | <b>6.0</b>   | 0.31   | 0.69                | C25             |
| Nose, sinuses etc.           | 12         | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                | 0.07     | 7         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C30-31          |
| Larynx                       | 68         | 1.1       | 3.4                      | <b>3.2</b>   | 0.16                | 0.45     | 13        | 0.2       | 0.6                      | <b>0.5</b>   | 0.04   | 0.07                | C32             |
| Trachea, bronchus and lung   | 547        | 9.2       | 27.3                     | <b>24.2</b>  | 1.00                | 2.90     | 431       | 7.9       | 21.5                     | <b>16.4</b>  | 0.77   | 2.08                | C33-34          |
| Other thoracic organs        | 12         | 0.2       | 0.6                      | <b>0.5</b>   | 0.02                | 0.05     | 6         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.01                | C37-38          |
| Bone                         | 17         | 0.3       | 0.8                      | <b>0.8</b>   | 0.05                | 0.07     | 24        | 0.4       | 1.2                      | <b>1.1</b>   | 0.08   | 0.09                | C40-41          |
| Melanoma of skin             | 58         | 1.0       | 2.9                      | <b>2.6</b>   | 0.15                | 0.30     | 76        | 1.4       | 3.8                      | <b>3.2</b>   | 0.22   | 0.33                | C43             |
| Other skin                   | 18         | 0.3       | 0.9                      | <b>0.8</b>   | 0.06                | 0.07     | 9         | 0.2       | 0.4                      | <b>0.3</b>   | 0.01   | 0.03                | C44             |
| Mesothelioma                 | 24         | 0.4       | 1.2                      | <b>1.1</b>   | 0.04                | 0.17     | 12        | 0.2       | 0.6                      | <b>0.4</b>   | 0.03   | 0.05                | C45             |
| Kaposi sarcoma               | 19         | 0.3       | 0.9                      | <b>0.8</b>   | 0.05                | 0.07     | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C46             |
| Connective and soft tissue   | 51         | 0.9       | 2.5                      | <b>2.3</b>   | 0.15                | 0.23     | 41        | 0.7       | 2.0                      | <b>1.8</b>   | 0.14   | 0.16                | C47+C49         |
| Breast                       | 12         | 0.2       | 0.6                      | <b>0.6</b>   | 0.05                | 0.06     | 1601      | 29.3      | 79.7                     | <b>68.4</b>  | 5.06   | 7.65                | C50             |
| Vulva                        |            |           |                          |              |                     |          | 19        | 0.3       | 0.9                      | <b>0.7</b>   | 0.04   | 0.08                | C51             |
| Vagina                       |            |           |                          |              |                     |          | 14        | 0.3       | 0.7                      | <b>0.6</b>   | 0.04   | 0.07                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |          | 176       | 3.2       | 8.8                      | <b>7.8</b>   | 0.60   | 0.80                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |          | 289       | 5.3       | 14.4                     | <b>12.6</b>  | 0.99   | 1.46                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |          | 10        | 0.2       | 0.5                      | <b>0.4</b>   | 0.02   | 0.04                | C55             |
| Ovary                        |            |           |                          |              |                     |          | 186       | 3.4       | 9.3                      | <b>7.8</b>   | 0.50   | 0.87                | C56             |
| Other female genital organs  |            |           |                          |              |                     |          | 9         | 0.2       | 0.4                      | <b>0.3</b>   | 0.01   | 0.03                | C57             |
| Placenta                     |            |           |                          |              |                     |          | 1         | 0.0       | 0.0                      | <b>0.1</b>   | 0.00   | 0.00                | C58             |
| Penis                        | 16         | 0.3       | 0.8                      | <b>0.8</b>   | 0.06                | 0.07     |           |           |                          |              |        |                     | C60             |
| Prostate                     | 1820       | 30.8      | 90.8                     | <b>87.3</b>  | 4.12                | 11.96    |           |           |                          |              |        |                     | C61             |
| Testis                       | 102        | 1.7       | 5.1                      | <b>4.7</b>   | 0.34                | 0.36     |           |           |                          |              |        |                     | C62             |
| Other male genital organs    | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     |           |           |                          |              |        |                     | C63             |
| Kidney                       | 291        | 4.9       | 14.5                     | <b>13.8</b>  | 0.94                | 1.65     | 179       | 3.3       | 8.9                      | <b>7.3</b>   | 0.51   | 0.80                | C64             |
| Renal pelvis                 | 9          | 0.2       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03     | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C65             |
| Ureter                       | 5          | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                | 0.05     | 3         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C66             |
| Bladder                      | 225        | 3.8       | 11.2                     | <b>10.4</b>  | 0.53                | 1.28     | 89        | 1.6       | 4.4                      | <b>3.2</b>   | 0.13   | 0.35                | C67             |
| Other urinary organs         | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.02     | 3         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C68             |
| Eye                          | 6          | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02     | 7         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02   | 0.03                | C69             |
| Brain, nervous system        | 89         | 1.5       | 4.4                      | <b>4.4</b>   | 0.32                | 0.47     | 63        | 1.2       | 3.1                      | <b>2.9</b>   | 0.20   | 0.27                | C70-72          |
| Thyroid                      | 70         | 1.2       | 3.5                      | <b>3.3</b>   | 0.23                | 0.39     | 324       | 5.9       | 16.1                     | <b>14.6</b>  | 1.17   | 1.42                | C73             |
| Adrenal gland                | 3          | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01     | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C74             |
| Other endocrine              | 3          | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                | 0.02     | 3         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C75             |
| Hodgkin lymphoma             | 39         | 0.7       | 1.9                      | <b>1.8</b>   | 0.11                | 0.18     | 42        | 0.8       | 2.1                      | <b>1.8</b>   | 0.12   | 0.16                | C81             |
| Non-Hodgkin lymphoma         | 204        | 3.4       | 10.2                     | <b>9.3</b>   | 0.46                | 1.08     | 216       | 3.9       | 10.8                     | <b>8.4</b>   | 0.44   | 0.93                | C82-85,C96      |
| Immunoproliferative diseases | 2          | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00     | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C88             |
| Multiple myeloma             | 94         | 1.6       | 4.7                      | <b>4.4</b>   | 0.25                | 0.53     | 84        | 1.5       | 4.2                      | <b>3.4</b>   | 0.22   | 0.42                | C90             |
| Lymphoid leukaemia           | 103        | 1.7       | 5.1                      | <b>5.3</b>   | 0.29                | 0.47     | 72        | 1.3       | 3.6                      | <b>3.4</b>   | 0.16   | 0.29                | C91             |
| Myeloid leukaemia            | 92         | 1.6       | 4.6                      | <b>4.3</b>   | 0.26                | 0.43     | 60        | 1.1       | 3.0                      | <b>2.5</b>   | 0.17   | 0.26                | C92-94          |
| Leukaemia unspecified        | 7          | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                | 0.04     | 12        | 0.2       | 0.6                      | <b>0.5</b>   | 0.01   | 0.04                | C95             |
| Myeloproliferative disorders | 47         | 0.8       | 2.3                      | <b>2.1</b>   | 0.13                | 0.23     | 48        | 0.9       | 2.4                      | <b>1.9</b>   | 0.14   | 0.19                | MPD             |
| Myelodysplastic syndromes    | 53         | 0.9       | 2.6                      | <b>2.3</b>   | 0.09                | 0.20     | 42        | 0.8       | 2.1                      | <b>1.5</b>   | 0.05   | 0.18                | MDS             |
| Other and unspecified        | 123        | 2.1       | 6.1                      | <b>5.3</b>   | 0.22                | 0.56     | 149       | 2.7       | 7.4                      | <b>5.4</b>   | 0.30   | 0.58                | O&U             |
| All sites                    | 5935       |           | 296.2                    | <b>277.3</b> | 14.62               | 34.06    | 5481      |           | 272.9                    | <b>224.4</b> | 14.56  | 24.86               | C00-96          |
| All sites except C44         | 5917       | 100.0     | 295.3                    | <b>276.4</b> | 14.56               | 33.98    | 5472      | 100.0     | 272.4                    | <b>224.1</b> | 14.55  | 24.84               | C00-96 exc. C44 |

§Includes 1 case of unknown age

\*See note following population pyramid

**\*USA, New Mexico: Non-Hispanic White (2003-2007)**

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 82        | 0.6       | 4.0                      | 2.1       | 0.09                     | 0.27      | 25        | 0.2                      | 1.2       | 0.5                      | 0.02   | 0.06  | C00             |
| Tongue                       | 126       | 0.9       | 6.2                      | 3.4       | 0.27                     | 0.39      | 46        | 0.4                      | 2.2       | 1.1                      | 0.07   | 0.13  | C01-02          |
| Mouth                        | 59        | 0.4       | 2.9                      | 1.6       | 0.10                     | 0.20      | 47        | 0.4                      | 2.2       | 0.9                      | 0.05   | 0.11  | C03-06          |
| Salivary glands              | 56        | 0.4       | 2.8                      | 1.6       | 0.10                     | 0.19      | 23        | 0.2                      | 1.1       | 0.6                      | 0.03   | 0.06  | C07-08          |
| Tonsil                       | 65        | 0.5       | 3.2                      | 1.9       | 0.17                     | 0.21      | 12        | 0.1                      | 0.6       | 0.3                      | 0.03   | 0.03  | C09             |
| Other oropharynx             | 16        | 0.1       | 0.8                      | 0.4       | 0.04                     | 0.05      | 8         | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 17        | 0.1       | 0.8                      | 0.5       | 0.04                     | 0.06      | 7         | 0.1                      | 0.3       | 0.1                      | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 33        | 0.2       | 1.6                      | 0.9       | 0.07                     | 0.13      | 8         | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 12        | 0.1       | 0.6                      | 0.3       | 0.02                     | 0.04      | 5         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.02  | C14             |
| Oesophagus                   | 210       | 1.5       | 10.3                     | 5.2       | 0.31                     | 0.69      | 59        | 0.5                      | 2.8       | 1.0                      | 0.04   | 0.12  | C15             |
| Stomach                      | 192       | 1.4       | 9.4                      | 4.4       | 0.17                     | 0.53      | 110       | 0.9                      | 5.2       | 2.4                      | 0.12   | 0.26  | C16             |
| Small intestine              | 59        | 0.4       | 2.9                      | 1.6       | 0.09                     | 0.18      | 44        | 0.4                      | 2.1       | 1.0                      | 0.06   | 0.13  | C17             |
| Colon                        | 885       | 6.3       | 43.5                     | 20.8      | 0.95                     | 2.52      | 866       | 7.2                      | 40.9      | 16.5                     | 0.73   | 1.86  | C18             |
| Rectum                       | 384       | 2.7       | 18.9                     | 10.0      | 0.58                     | 1.18      | 305       | 2.5                      | 14.4      | 6.7                      | 0.45   | 0.77  | C19-20          |
| Anus                         | 42        | 0.3       | 2.1                      | 1.2       | 0.07                     | 0.15      | 64        | 0.5                      | 3.0       | 1.6                      | 0.11   | 0.20  | C21             |
| Liver                        | 206       | 1.5       | 10.1                     | 5.2       | 0.36                     | 0.59      | 92        | 0.8                      | 4.3       | 1.8                      | 0.11   | 0.19  | C22             |
| Gallbladder etc.             | 77        | 0.5       | 3.8                      | 1.8       | 0.08                     | 0.22      | 70        | 0.6                      | 3.3       | 1.4                      | 0.07   | 0.19  | C23-24          |
| Pancreas                     | 309       | 2.2       | 15.2                     | 7.4       | 0.39                     | 0.91      | 302       | 2.5                      | 14.3      | 5.6                      | 0.29   | 0.66  | C25             |
| Nose, sinuses etc.           | 23        | 0.2       | 1.1                      | 0.7       | 0.05                     | 0.08      | 14        | 0.1                      | 0.7       | 0.3                      | 0.03   | 0.03  | C30-31          |
| Larynx                       | 146       | 1.0       | 7.2                      | 3.7       | 0.23                     | 0.48      | 38        | 0.3                      | 1.8       | 0.9                      | 0.06   | 0.12  | C32             |
| Trachea, bronchus and lung   | 1789      | 12.7      | 88.0                     | 42.0      | 1.77                     | 5.48      | 1561      | 13.0                     | 73.7      | 31.3                     | 1.45   | 4.09  | C33-34          |
| Other thoracic organs        | 10        | 0.1       | 0.5                      | 0.4       | 0.02                     | 0.04      | 6         | 0.0                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 27        | 0.2       | 1.3                      | 1.2       | 0.08                     | 0.09      | 23        | 0.2                      | 1.1       | 0.9                      | 0.07   | 0.08  | C40-41          |
| Melanoma of skin             | 866       | 6.2       | 42.6                     | 23.2      | 1.45                     | 2.67      | 590       | 4.9                      | 27.9      | 16.7                     | 1.22   | 1.72  | C43             |
| Other skin                   | 59        | 0.2       | 2.9                      | 1.6       | 0.09                     | 0.18      | 33        | 0.2                      | 1.6       | 0.7                      | 0.05   | 0.07  | C44             |
| Mesothelioma                 | 34        | 0.2       | 1.7                      | 0.7       | 0.02                     | 0.08      | 15        | 0.1                      | 0.7       | 0.3                      | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 12        | 0.1       | 0.6                      | 0.5       | 0.04                     | 0.04      | 2         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 135       | 1.0       | 6.6                      | 4.2       | 0.24                     | 0.37      | 73        | 0.6                      | 3.4       | 2.7                      | 0.16   | 0.22  | C47+C49         |
| Breast                       | 38        | 0.3       | 1.9                      | 0.9       | 0.05                     | 0.10      | 3610      | 30.0                     | 170.5     | 88.7                     | 6.25   | 10.47 | C50             |
| Vulva                        |           |           |                          |           |                          |           | 58        | 0.5                      | 2.7       | 1.4                      | 0.10   | 0.15  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 20        | 0.2                      | 0.9       | 0.4                      | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 172       | 1.4                      | 8.1       | 5.8                      | 0.45   | 0.57  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 626       | 5.2                      | 29.6      | 15.3                     | 1.16   | 1.84  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 18        | 0.1                      | 0.9       | 0.5                      | 0.03   | 0.07  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 398       | 3.3                      | 18.8      | 9.8                      | 0.67   | 1.13  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 22        | 0.2                      | 1.0       | 0.6                      | 0.04   | 0.06  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C58             |
| Penis                        | 9         | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.02      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 4435      | 31.6      | 218.1                    | 111.7     | 5.77                     | 15.50     |           |                          |           |                          |        |       | C61             |
| Testis                       | 137       | 1.0       | 6.7                      | 7.1       | 0.53                     | 0.53      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 5         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 357       | 2.5       | 17.6                     | 9.3       | 0.57                     | 1.14      | 228       | 1.9                      | 10.8      | 5.3                      | 0.32   | 0.63  | C64             |
| Renal pelvis                 | 12        | 0.1       | 0.6                      | 0.3       | 0.01                     | 0.04      | 10        | 0.1                      | 0.5       | 0.2                      | 0.01   | 0.02  | C65             |
| Ureter                       | 11        | 0.1       | 0.5                      | 0.2       | 0.01                     | 0.02      | 6         | 0.0                      | 0.3       | 0.1                      | 0.00   | 0.00  | C66             |
| Bladder                      | 869       | 6.2       | 42.7                     | 19.8      | 0.79                     | 2.37      | 279       | 2.3                      | 13.2      | 5.2                      | 0.23   | 0.62  | C67             |
| Other urinary organs         | 8         | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.03      | 2         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C68             |
| Eye                          | 29        | 0.2       | 1.4                      | 0.9       | 0.04                     | 0.09      | 21        | 0.2                      | 1.0       | 0.9                      | 0.04   | 0.07  | C69             |
| Brain, nervous system        | 213       | 1.5       | 10.5                     | 7.7       | 0.49                     | 0.72      | 146       | 1.2                      | 6.9       | 4.4                      | 0.27   | 0.44  | C70-72          |
| Thyroid                      | 180       | 1.3       | 8.9                      | 5.5       | 0.44                     | 0.57      | 524       | 4.3                      | 24.8      | 18.6                     | 1.48   | 1.75  | C73             |
| Adrenal gland                | 4         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.02      | 9         | 0.1                      | 0.4       | 0.5                      | 0.02   | 0.03  | C74             |
| Other endocrine              | 1         | 0.0       | 0.0                      | 0.1       | 0.00                     | 0.00      | 2         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 82        | 0.6       | 4.0                      | 3.6       | 0.23                     | 0.31      | 58        | 0.5                      | 2.7       | 2.3                      | 0.14   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 568       | 4.0       | 27.9                     | 15.1      | 0.78                     | 1.73      | 478       | 4.0                      | 22.6      | 10.9                     | 0.59   | 1.28  | C82-85,C96      |
| Immunoproliferative diseases | 10        | 0.1       | 0.5                      | 0.2       | 0.01                     | 0.02      | 8         | 0.1                      | 0.4       | 0.2                      | 0.02   | 0.02  | C88             |
| Multiple myeloma             | 174       | 1.2       | 8.6                      | 4.2       | 0.21                     | 0.55      | 117       | 1.0                      | 5.5       | 2.3                      | 0.11   | 0.29  | C90             |
| Lymphoid leukaemia           | 274       | 2.0       | 13.5                     | 8.7       | 0.44                     | 0.86      | 182       | 1.5                      | 8.6       | 4.8                      | 0.24   | 0.46  | C91             |
| Myeloid leukaemia            | 179       | 1.3       | 8.8                      | 4.8       | 0.23                     | 0.48      | 143       | 1.2                      | 6.8       | 3.7                      | 0.23   | 0.39  | C92-94          |
| Leukaemia unspecified        | 20        | 0.1       | 1.0                      | 0.4       | 0.01                     | 0.03      | 22        | 0.2                      | 1.0       | 0.6                      | 0.02   | 0.05  | C95             |
| Myeloproliferative disorders | 123       | 0.9       | 6.0                      | 3.6       | 0.21                     | 0.37      | 111       | 0.9                      | 5.2       | 2.5                      | 0.14   | 0.27  | MPD             |
| Myelodysplastic syndromes    | 128       | 0.9       | 6.3                      | 2.8       | 0.10                     | 0.29      | 92        | 0.8                      | 4.3       | 1.9                      | 0.08   | 0.22  | MDS             |
| Other and unspecified        | 303       | 2.2       | 14.9                     | 7.2       | 0.35                     | 0.83      | 275       | 2.3                      | 13.0      | 5.5                      | 0.25   | 0.63  | O&U             |
| All sites                    | 14100     |           | 693.3                    | 363.3     | 19.23                    | 44.69     | 12085     |                          | 570.9     | 288.2                    | 18.19  | 32.92 | C00-96          |
| All sites except C44         | 14041     | 100.0     | 690.4                    | 361.7     | 19.14                    | 44.51     | 12052     | 100.0                    | 569.3     | 287.5                    | 18.14  | 32.85 | C00-96 exc. C44 |

\*See note following population pyramid

## \*USA, New Mexico: White (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 100       | 0.5       | 2.5                      | 1.6       | 0.07                     | 0.22      | 29        | 0.2                      | 0.7       | 0.4                      | 0.02   | 0.04  | C00             |
| Tongue                       | 160       | 0.8       | 4.0                      | 2.7       | 0.21                     | 0.32      | 61        | 0.3                      | 1.5       | 0.9                      | 0.07   | 0.11  | C01-02          |
| Mouth                        | 88        | 0.4       | 2.2                      | 1.5       | 0.10                     | 0.18      | 63        | 0.4                      | 1.5       | 0.8                      | 0.04   | 0.09  | C03-06          |
| Salivary glands              | 75        | 0.4       | 1.9                      | 1.3       | 0.07                     | 0.15      | 37        | 0.2                      | 0.9       | 0.5                      | 0.04   | 0.05  | C07-08          |
| Tonsil                       | 86        | 0.4       | 2.1                      | 1.5       | 0.13                     | 0.17      | 20        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.03  | C09             |
| Other oropharynx             | 20        | 0.1       | 0.5                      | 0.4       | 0.03                     | 0.04      | 9         | 0.1                      | 0.2       | 0.1                      | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 29        | 0.1       | 0.7                      | 0.6       | 0.04                     | 0.06      | 11        | 0.1                      | 0.3       | 0.1                      | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 51        | 0.3       | 1.3                      | 0.9       | 0.07                     | 0.13      | 8         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.02  | C12-13          |
| Pharynx unspecified          | 14        | 0.1       | 0.3                      | 0.2       | 0.02                     | 0.04      | 5         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 289       | 1.4       | 7.2                      | 4.7       | 0.27                     | 0.61      | 75        | 0.4                      | 1.8       | 0.9                      | 0.04   | 0.11  | C15             |
| Stomach                      | 400       | 2.0       | 9.9                      | 6.1       | 0.28                     | 0.72      | 243       | 1.4                      | 5.9       | 3.2                      | 0.17   | 0.35  | C16             |
| Small intestine              | 103       | 0.5       | 2.6                      | 1.7       | 0.11                     | 0.20      | 72        | 0.4                      | 1.7       | 1.0                      | 0.05   | 0.13  | C17             |
| Colon                        | 1333      | 6.7       | 33.0                     | 20.7      | 0.99                     | 2.54      | 1286      | 7.3                      | 31.2      | 16.2                     | 0.75   | 1.84  | C18             |
| Rectum                       | 644       | 3.2       | 16.0                     | 10.7      | 0.60                     | 1.34      | 463       | 2.6                      | 11.2      | 6.6                      | 0.42   | 0.76  | C19-20          |
| Anus                         | 49        | 0.2       | 1.2                      | 0.8       | 0.05                     | 0.11      | 85        | 0.5                      | 2.1       | 1.3                      | 0.09   | 0.16  | C21             |
| Liver                        | 485       | 2.4       | 12.0                     | 8.2       | 0.57                     | 0.95      | 179       | 1.0                      | 4.3       | 2.4                      | 0.13   | 0.28  | C22             |
| Gallbladder etc.             | 120       | 0.6       | 3.0                      | 1.8       | 0.07                     | 0.22      | 138       | 0.8                      | 3.3       | 1.8                      | 0.09   | 0.23  | C23-24          |
| Pancreas                     | 474       | 2.4       | 11.7                     | 7.5       | 0.41                     | 0.92      | 464       | 2.6                      | 11.2      | 5.8                      | 0.30   | 0.67  | C25             |
| Nose, sinuses etc.           | 35        | 0.2       | 0.9                      | 0.6       | 0.04                     | 0.07      | 21        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.03  | C30-31          |
| Larynx                       | 214       | 1.1       | 5.3                      | 3.5       | 0.20                     | 0.47      | 51        | 0.3                      | 1.2       | 0.8                      | 0.05   | 0.10  | C32             |
| Trachea, bronchus and lung   | 2336      | 11.7      | 57.9                     | 35.8      | 1.49                     | 4.59      | 1992      | 11.4                     | 48.3      | 26.1                     | 1.20   | 3.37  | C33-34          |
| Other thoracic organs        | 22        | 0.1       | 0.5                      | 0.5       | 0.02                     | 0.04      | 12        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 44        | 0.2       | 1.1                      | 1.0       | 0.07                     | 0.08      | 47        | 0.3                      | 1.1       | 1.0                      | 0.07   | 0.08  | C40-41          |
| Melanoma of skin             | 924       | 4.6       | 22.9                     | 15.4      | 0.94                     | 1.79      | 666       | 3.8                      | 16.1      | 11.0                     | 0.79   | 1.15  | C43             |
| Other skin                   | 77        | 0.4       | 1.9                      | 1.3       | 0.08                     | 0.14      | 42        | 0.2                      | 1.0       | 0.6                      | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 58        | 0.3       | 1.4                      | 0.9       | 0.03                     | 0.11      | 27        | 0.2                      | 0.7       | 0.4                      | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 31        | 0.2       | 0.8                      | 0.6       | 0.05                     | 0.05      | 3         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 186       | 0.9       | 4.6                      | 3.4       | 0.19                     | 0.31      | 114       | 0.7                      | 2.8       | 2.2                      | 0.14   | 0.19  | C47+C49         |
| Breast                       | 50        | 0.3       | 1.2                      | 0.8       | 0.05                     | 0.08      | 5211      | 29.7                     | 126.3     | 81.5                     | 5.83   | 9.47  | C50             |
| Vulva                        |           |           |                          |           |                          |           | 77        | 0.4                      | 1.9       | 1.1                      | 0.08   | 0.13  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 34        | 0.2                      | 0.8       | 0.5                      | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 348       | 2.0                      | 8.4       | 6.6                      | 0.51   | 0.66  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 915       | 5.2                      | 22.2      | 14.4                     | 1.10   | 1.71  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 28        | 0.2                      | 0.7       | 0.4                      | 0.03   | 0.05  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 584       | 3.3                      | 14.2      | 9.1                      | 0.61   | 1.04  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 31        | 0.2                      | 0.8       | 0.5                      | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 1         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C58             |
| Penis                        | 25        | 0.1       | 0.6                      | 0.4       | 0.03                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 6255      | 31.3      | 154.9                    | 103.2     | 5.19                     | 14.28     |           |                          |           |                          |        |       | C61             |
| Testis                       | 239       | 1.2       | 5.9                      | 5.8       | 0.43                     | 0.44      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 7         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 648       | 3.2       | 16.1                     | 11.1      | 0.72                     | 1.33      | 407       | 2.3                      | 9.9       | 6.0                      | 0.39   | 0.69  | C64             |
| Renal pelvis                 | 21        | 0.1       | 0.5                      | 0.3       | 0.02                     | 0.04      | 12        | 0.1                      | 0.3       | 0.1                      | 0.01   | 0.02  | C65             |
| Ureter                       | 16        | 0.1       | 0.4                      | 0.2       | 0.01                     | 0.03      | 9         | 0.1                      | 0.2       | 0.1                      | 0.00   | 0.01  | C66             |
| Bladder                      | 1094      | 5.5       | 27.1                     | 16.5      | 0.69                     | 1.99      | 368       | 2.1                      | 8.9       | 4.5                      | 0.19   | 0.52  | C67             |
| Other urinary organs         | 10        | 0.1       | 0.2                      | 0.2       | 0.01                     | 0.03      | 5         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 35        | 0.2       | 0.9                      | 0.7       | 0.03                     | 0.06      | 28        | 0.2                      | 0.7       | 0.6                      | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 302       | 1.5       | 7.5                      | 6.1       | 0.40                     | 0.60      | 209       | 1.2                      | 5.1       | 3.7                      | 0.24   | 0.37  | C70-72          |
| Thyroid                      | 250       | 1.3       | 6.2                      | 4.5       | 0.35                     | 0.49      | 848       | 4.8                      | 20.6      | 16.6                     | 1.32   | 1.59  | C73             |
| Adrenal gland                | 7         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01      | 11        | 0.1                      | 0.3       | 0.3                      | 0.01   | 0.02  | C74             |
| Other endocrine              | 4         | 0.0       | 0.1                      | 0.1       | 0.01                     | 0.01      | 5         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 121       | 0.6       | 3.0                      | 2.7       | 0.17                     | 0.25      | 100       | 0.6                      | 2.4       | 2.0                      | 0.13   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 772       | 3.9       | 19.1                     | 12.8      | 0.65                     | 1.49      | 694       | 4.0                      | 16.8      | 9.9                      | 0.54   | 1.15  | C82-85,C96      |
| Immunoproliferative diseases | 12        | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.01      | 9         | 0.1                      | 0.2       | 0.1                      | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 268       | 1.3       | 6.6                      | 4.3       | 0.23                     | 0.55      | 201       | 1.1                      | 4.9       | 2.7                      | 0.15   | 0.34  | C90             |
| Lymphoid leukaemia           | 377       | 1.9       | 9.3                      | 7.4       | 0.38                     | 0.72      | 254       | 1.4                      | 6.2       | 4.3                      | 0.21   | 0.40  | C91             |
| Myeloid leukaemia            | 271       | 1.4       | 6.7                      | 4.6       | 0.24                     | 0.47      | 203       | 1.2                      | 4.9       | 3.2                      | 0.21   | 0.34  | C92-94          |
| Leukaemia unspecified        | 27        | 0.1       | 0.7                      | 0.4       | 0.01                     | 0.04      | 34        | 0.2                      | 0.8       | 0.6                      | 0.02   | 0.05  | C95             |
| Myeloproliferative disorders | 170       | 0.9       | 4.2                      | 2.9       | 0.18                     | 0.32      | 159       | 0.9                      | 3.9       | 2.3                      | 0.14   | 0.24  | MPD             |
| Myelodysplastic syndromes    | 181       | 0.9       | 4.5                      | 2.6       | 0.09                     | 0.26      | 134       | 0.8                      | 3.2       | 1.7                      | 0.07   | 0.20  | MDS             |
| Other and unspecified        | 426       | 2.1       | 10.6                     | 6.6       | 0.31                     | 0.74      | 424       | 2.4                      | 10.3      | 5.4                      | 0.26   | 0.61  | O&U             |
| All sites                    | 20035     |           | 496.2                    | 330.8     | 17.43                    | 40.83     | 17566     |                          | 425.8     | 263.5                    | 16.74  | 29.91 | C00-96          |
| All sites except C44         | 19958     | 100.0     | 494.3                    | 329.5     | 17.35                    | 40.69     | 17524     | 100.0                    | 424.8     | 262.9                    | 16.71  | 29.85 | C00-96 exc. C44 |

§Includes 1 case of unknown age

\*See note following population pyramid

# USA, New York State

## REGISTRATION AREA

The New York State Cancer Registry (NYSCR) covers the state of New York. In 2005, the population was approximately 19 million; 66% Caucasian, 16% African-American, 0.5% American Indian, 7% Asian, and 17% Hispanic (of any race).

## CANCER CARE FACILITIES

New York residents have access to almost 250 acute care hospitals, including 21 Community Hospital Comprehensive Cancer Programs and three National Cancer Institute (NCI)-designated Comprehensive Cancer Centers. There are 57 ambulatory surgery centres, 70 radiation treatment centres, 13 Veterans Health Administration hospitals, and many private physicians' offices that provide cancer services and report to the NYSCR. In addition to private insurance and federal Medicare, the state provides generous coverage to indigent residents through Medicaid. New York City has an extensive public hospital system.

## REGISTRY STRUCTURE AND METHODS

The NYSCR was established by public health law in 1940 and is the second oldest central cancer registry in the USA. It has been population-based since 1976. The registry is located within the New York State Department of Health and is funded partly by the state and partly by the National Program of Cancer Registries (NPCR). The registry staff includes 24 certified tumour registrars. Notification is initiated by the reporting facilities. Encrypted reports (which include full personal identifiers and are mostly precoded) are received electronically in standard North American Association of Central Cancer Registries (NAACCR) formats. The addresses of all cases are geocoded to provide detailed geographical information for cancer surveillance and mapping.

## INTERPRETING THE RESULTS

Screening for breast, cervical, colorectal, and prostate cancers is widespread in New York. According to the 2010 Behavioral Risk Factor Surveillance System, 78% of women aged 40 years or older had received a mammogram within the previous 2 years, 84% of

women aged 18 years or older had undergone a Pap test within the previous 3 years, 68% of residents aged 50 years or older had received a sigmoidoscopy or colonoscopy within the previous 10 years, and 58% of men aged 40 years or older had undergone a prostate-specific antigen (PSA) test within the previous 2 years.

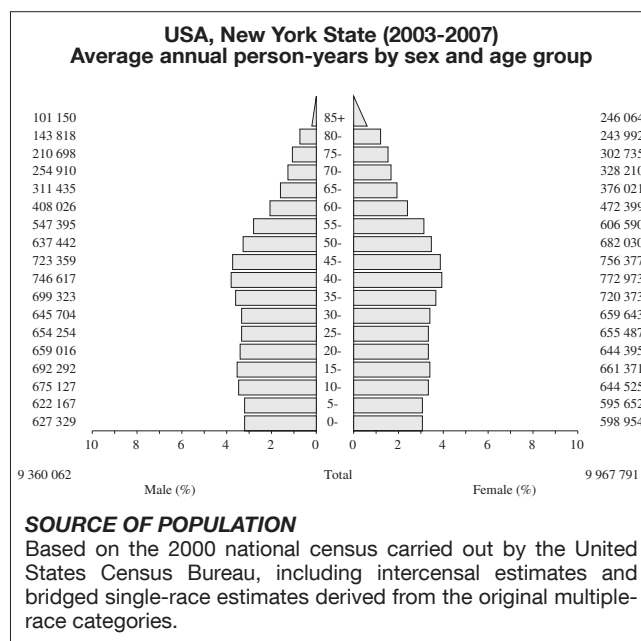
## USE OF THE DATA

The registry annually prepares numerous tables of cancer statistics, which are available from <http://www.health.ny.gov/statistics/cancer/registry/>. The data are used extensively by public health programmes and health care providers for programme planning and evaluation. NYSCR data are also used by researchers throughout the USA for a variety of epidemiological studies.

## CONTRIBUTORS

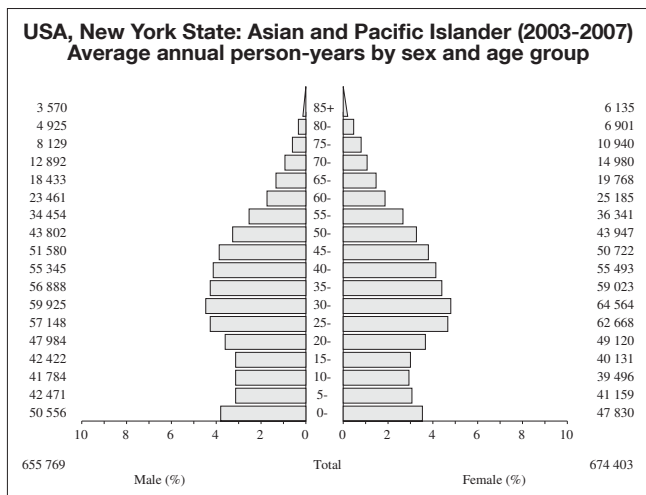
Maria J. Schymura  
Colleen G. Sherman  
Francis P. Boscoe

Amy R. Kahn  
Baozhen Qiao



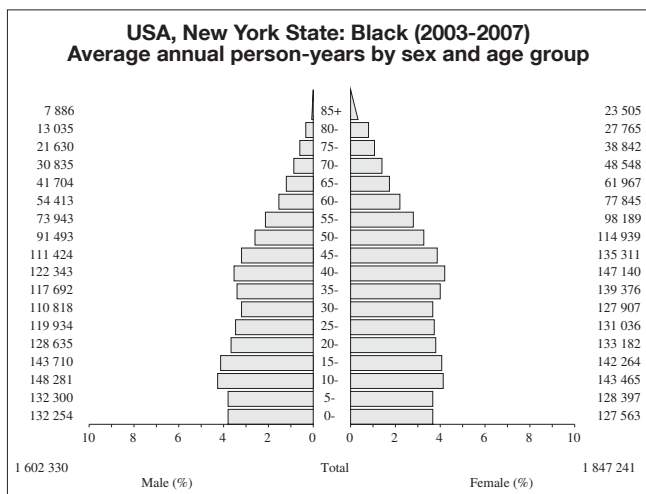
## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 113.9 | Breast                     | 87.7  |
| Trachea, bronchus and lung | 48.4  | Trachea, bronchus and lung | 35.2  |
| Bladder                    | 24.3  | Corpus uteri               | 20.5  |
| Colon                      | 24.1  | Colon                      | 19.3  |
| Non-Hodgkin lymphoma       | 17.0  | Thyroid                    | 14.6  |
| Kidney                     | 13.8  | Non-Hodgkin lymphoma       | 11.9  |
| Melanoma of skin           | 12.6  | Ovary                      | 9.9   |
| Rectum                     | 11.3  | Melanoma of skin           | 8.8   |
| Pancreas                   | 8.9   | Rectum                     | 7.3   |
| Liver                      | 8.4   | Cervix uteri               | 6.7   |
| All sites                  | 380.0 | All sites                  | 299.3 |



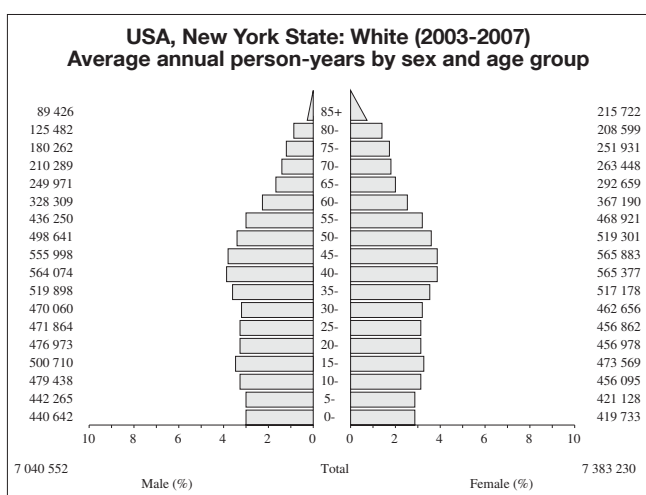
**USA, NEW YORK STATE: ASIAN AND PACIFIC ISLANDER**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 32.1  | Breast                     | 47.4  |
| Trachea, bronchus and lung | 27.4  | Trachea, bronchus and lung | 15.3  |
| Liver                      | 16.1  | Thyroid                    | 13.6  |
| Colon                      | 15.4  | Colon                      | 12.7  |
| Stomach                    | 13.8  | Corpus uteri               | 9.8   |
| Rectum                     | 8.3   | Rectum                     | 6.6   |
| Bladder                    | 7.7   | Stomach                    | 6.3   |
| Non-Hodgkin lymphoma       | 6.4   | Ovary                      | 5.8   |
| Kidney                     | 4.8   | Cervix uteri               | 5.7   |
| Nasopharynx                | 4.3   | Liver                      | 4.7   |
| All sites                  | 177.2 | All sites                  | 165.8 |



**USA, NEW YORK STATE: BLACK**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 176.2 | Breast                     | 74.7  |
| Trachea, bronchus and lung | 48.7  | Trachea, bronchus and lung | 27.2  |
| Colon                      | 27.2  | Colon                      | 21.8  |
| Non-Hodgkin lymphoma       | 13.1  | Corpus uteri               | 17.3  |
| Kidney                     | 12.0  | Cervix uteri               | 9.6   |
| Liver                      | 11.7  | Non-Hodgkin lymphoma       | 9.3   |
| Stomach                    | 10.5  | Thyroid                    | 7.8   |
| Bladder                    | 10.4  | Rectum                     | 7.1   |
| Rectum                     | 10.2  | Pancreas                   | 7.1   |
| Pancreas                   | 9.3   | Ovary                      | 6.9   |
| All sites                  | 409.7 | All sites                  | 256.3 |



**USA, NEW YORK STATE: WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 106.2 | Breast                     | 90.9  |
| Trachea, bronchus and lung | 49.4  | Trachea, bronchus and lung | 37.9  |
| Bladder                    | 27.2  | Corpus uteri               | 21.4  |
| Colon                      | 23.7  | Colon                      | 18.7  |
| Non-Hodgkin lymphoma       | 17.8  | Thyroid                    | 15.8  |
| Melanoma of skin           | 14.9  | Non-Hodgkin lymphoma       | 12.6  |
| Kidney                     | 14.4  | Melanoma of skin           | 10.7  |
| Rectum                     | 11.3  | Ovary                      | 10.6  |
| Pancreas                   | 9.1   | Bladder                    | 7.6   |
| Lymphoid leukaemia         | 7.5   | Rectum                     | 7.2   |
| All sites                  | 380.9 | All sites                  | 310.5 |



## USA, New York State (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 282        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | 115        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C00             |
| Tongue                       | 1922       | 0.8       | 4.1                      | <b>3.0</b>   | 0.22                | 0.38                | 851        | 0.3       | 1.7                      | <b>1.1</b>   | 0.07                | 0.13                | C01-02          |
| Mouth                        | 1278       | 0.5       | 2.7                      | <b>2.0</b>   | 0.13                | 0.23                | 922        | 0.4       | 1.8                      | <b>1.0</b>   | 0.06                | 0.12                | C03-06          |
| Salivary glands              | 714        | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                | 0.10                | 594        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                | 0.08                | C07-08          |
| Tonsil                       | 1180       | 0.5       | 2.5                      | <b>1.9</b>   | 0.16                | 0.23                | 306        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | C09             |
| Other oropharynx             | 370        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.08                | 119        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 498        | 0.2       | 1.1                      | <b>0.8</b>   | 0.06                | 0.09                | 247        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | C11             |
| Hypopharynx                  | 534        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.10                | 143        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 97         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | 71         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 3879       | 1.5       | 8.3                      | <b>5.7</b>   | 0.31                | 0.72                | 1410       | 0.6       | 2.8                      | <b>1.4</b>   | 0.07                | 0.17                | C15             |
| Stomach                      | 5675       | 2.2       | 12.1                     | <b>8.1</b>   | 0.40                | 0.96                | 3981       | 1.6       | 8.0                      | <b>4.1</b>   | 0.21                | 0.46                | C16             |
| Small intestine              | 1087       | 0.4       | 2.3                      | <b>1.6</b>   | 0.10                | 0.19                | 1025       | 0.4       | 2.1                      | <b>1.2</b>   | 0.07                | 0.14                | C17             |
| Colon                        | 17490      | 6.9       | 37.4                     | <b>24.1</b>  | 1.11                | 2.75                | 19723      | 8.0       | 39.6                     | <b>19.3</b>  | 0.91                | 2.16                | C18             |
| Rectum                       | 7653       | 3.0       | 16.4                     | <b>11.3</b>  | 0.65                | 1.34                | 6580       | 2.7       | 13.2                     | <b>7.3</b>   | 0.44                | 0.84                | C19-20          |
| Anus                         | 745        | 0.3       | 1.6                      | <b>1.1</b>   | 0.08                | 0.12                | 996        | 0.4       | 2.0                      | <b>1.2</b>   | 0.09                | 0.14                | C21             |
| Liver                        | 5505       | 2.2       | 11.8                     | <b>8.4</b>   | 0.56                | 1.02                | 2262       | 0.9       | 4.5                      | <b>2.6</b>   | 0.14                | 0.30                | C22             |
| Gallbladder etc.             | 1428       | 0.6       | 3.1                      | <b>1.9</b>   | 0.08                | 0.22                | 1988       | 0.8       | 4.0                      | <b>1.9</b>   | 0.08                | 0.23                | C23-24          |
| Pancreas                     | 6340       | 2.5       | 13.5                     | <b>8.9</b>   | 0.44                | 1.05                | 6994       | 2.8       | 14.0                     | <b>6.7</b>   | 0.31                | 0.77                | C25             |
| Nose, sinuses etc.           | 377        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.06                | 313        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 3240       | 1.3       | 6.9                      | <b>4.9</b>   | 0.31                | 0.63                | 901        | 0.4       | 1.8                      | <b>1.1</b>   | 0.07                | 0.14                | C32             |
| Trachea, bronchus and lung   | 34020      | 13.3      | 72.7                     | <b>48.4</b>  | 2.23                | 6.03                | 31723      | 12.8      | 63.7                     | <b>35.2</b>  | 1.79                | 4.47                | C33-34          |
| Other thoracic organs        | 321        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                | 0.06                | 281        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.04                | C37-38          |
| Bone                         | 616        | 0.2       | 1.3                      | <b>1.2</b>   | 0.08                | 0.10                | 587        | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                | 0.09                | C40-41          |
| Melanoma of skin             | 8365       | 3.3       | 17.9                     | <b>12.6</b>  | 0.75                | 1.40                | 6540       | 2.6       | 13.1                     | <b>8.8</b>   | 0.62                | 0.90                | C43             |
| Other skin                   | 763        | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                | 0.11                | 719        | 0.3       | 1.4                      | <b>0.9</b>   | 0.06                | 0.09                | C44             |
| Mesothelioma                 | 757        | 0.3       | 1.6                      | <b>1.0</b>   | 0.04                | 0.11                | 246        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 817        | 0.3       | 1.7                      | <b>1.3</b>   | 0.10                | 0.12                | 162        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C46             |
| Connective and soft tissue   | 1800       | 0.7       | 3.8                      | <b>2.9</b>   | 0.17                | 0.29                | 1426       | 0.6       | 2.9                      | <b>2.0</b>   | 0.13                | 0.19                | C47+C49         |
| Breast                       | 587        | 0.2       | 1.3                      | <b>0.8</b>   | 0.04                | 0.10                | 68540      | 27.6      | 137.5                    | <b>87.7</b>  | 6.21                | 10.05               | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 1346       | 0.5       | 2.7                      | <b>1.4</b>   | 0.08                | 0.15                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 403        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 4605       | 1.9       | 9.2                      | <b>6.7</b>   | 0.53                | 0.68                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 15888      | 6.4       | 31.9                     | <b>20.5</b>  | 1.46                | 2.56                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 486        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.06                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 7781       | 3.1       | 15.6                     | <b>9.9</b>   | 0.68                | 1.12                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 418        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 64         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 392        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.07                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 75061      | 29.4      | 160.4                    | <b>113.9</b> | 5.96                | 15.42               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 2608       | 1.0       | 5.6                      | <b>5.1</b>   | 0.38                | 0.39                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 117        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 8965       | 3.5       | 19.2                     | <b>13.8</b>  | 0.84                | 1.65                | 5404       | 2.2       | 10.8                     | <b>6.7</b>   | 0.40                | 0.79                | C64             |
| Renal pelvis                 | 488        | 0.2       | 1.0                      | <b>0.7</b>   | 0.02                | 0.08                | 355        | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 364        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                | 0.06                | 220        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 17876      | 7.0       | 38.2                     | <b>24.3</b>  | 0.99                | 2.82                | 6631       | 2.7       | 13.3                     | <b>6.7</b>   | 0.32                | 0.79                | C67             |
| Other urinary organs         | 239        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 116        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C68             |
| Eye                          | 525        | 0.2       | 1.1                      | <b>0.9</b>   | 0.05                | 0.09                | 467        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                | 0.07                | C69             |
| Brain, nervous system        | 3672       | 1.4       | 7.8                      | <b>6.5</b>   | 0.40                | 0.62                | 3066       | 1.2       | 6.2                      | <b>4.7</b>   | 0.29                | 0.44                | C70-72          |
| Thyroid                      | 2973       | 1.2       | 6.4                      | <b>5.0</b>   | 0.37                | 0.53                | 9246       | 3.7       | 18.6                     | <b>14.6</b>  | 1.15                | 1.41                | C73             |
| Adrenal gland                | 191        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                | 0.03                | 227        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                | 0.03                | C74             |
| Other endocrine              | 97         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 72         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 1736       | 0.7       | 3.7                      | <b>3.3</b>   | 0.23                | 0.28                | 1506       | 0.6       | 3.0                      | <b>2.8</b>   | 0.19                | 0.22                | C81             |
| Non-Hodgkin lymphoma         | 11183      | 4.4       | 23.9                     | <b>17.0</b>  | 0.99                | 1.86                | 10149      | 4.1       | 20.4                     | <b>11.9</b>  | 0.69                | 1.32                | C82-85,C96      |
| Immunoproliferative diseases | 283        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.05                | 195        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 3533       | 1.4       | 7.5                      | <b>5.0</b>   | 0.25                | 0.58                | 3279       | 1.3       | 6.6                      | <b>3.5</b>   | 0.18                | 0.41                | C90             |
| Lymphoid leukaemia           | 4186       | 1.6       | 8.9                      | <b>6.9</b>   | 0.35                | 0.67                | 2979       | 1.2       | 6.0                      | <b>3.9</b>   | 0.19                | 0.35                | C91             |
| Myeloid leukaemia            | 3235       | 1.3       | 6.9                      | <b>4.9</b>   | 0.25                | 0.51                | 2814       | 1.1       | 5.6                      | <b>3.5</b>   | 0.20                | 0.35                | C92-94          |
| Leukaemia unspecified        | 240        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 244        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 1929       | 0.8       | 4.1                      | <b>2.8</b>   | 0.16                | 0.31                | 1919       | 0.8       | 3.9                      | <b>2.1</b>   | 0.11                | 0.23                | MPD             |
| Myelodysplastic syndromes    | 2787       | 1.1       | 6.0                      | <b>3.4</b>   | 0.08                | 0.32                | 2452       | 1.0       | 4.9                      | <b>2.1</b>   | 0.07                | 0.21                | MDS             |
| Other and unspecified        | 4749       | 1.9       | 10.1                     | <b>6.5</b>   | 0.31                | 0.70                | 6549       | 2.6       | 13.1                     | <b>6.2</b>   | 0.29                | 0.66                | O&U             |
| All sites                    | 255769     |           | 546.5                    | <b>380.0</b> | 20.09               | 45.77               | 248646     |           | 498.9                    | <b>299.3</b> | 18.66               | 33.85               | C00-96          |
| All sites except C44         | 255006     | 100.0     | 544.9                    | <b>378.9</b> | 20.03               | 45.66               | 247927     | 100.0     | 497.5                    | <b>298.4</b> | 18.60               | 33.76               | C00-96 exc. C44 |

§Includes 31 cases of unknown age

§Includes 17 cases of unknown age

## USA, New York State: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 33        | 0.5       | 1.0                      | <b>0.9</b>   | 0.04                     | 0.12      | 29        | 0.4                      | 0.9       | <b>0.7</b>               | 0.05   | 0.08  | C01-02          |
| Mouth                        | 29        | 0.4       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.09      | 16        | 0.2                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C03-06          |
| Salivary glands              | 27        | 0.4       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.07      | 18        | 0.3                      | 0.5       | <b>0.4</b>               | 0.02   | 0.05  | C07-08          |
| Tonsil                       | 16        | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.05      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C09             |
| Other oropharynx             | 5         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 180       | 2.8       | 5.5                      | <b>4.3</b>   | 0.33                     | 0.44      | 77        | 1.1                      | 2.3       | <b>1.8</b>               | 0.14   | 0.16  | C11             |
| Hypopharynx                  | 10        | 0.2       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.04      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 80        | 1.2       | 2.4                      | <b>2.2</b>   | 0.10                     | 0.30      | 25        | 0.4                      | 0.7       | <b>0.6</b>               | 0.02   | 0.07  | C15             |
| Stomach                      | 512       | 7.9       | 15.6                     | <b>13.8</b>  | 0.70                     | 1.65      | 275       | 3.9                      | 8.2       | <b>6.3</b>               | 0.34   | 0.70  | C16             |
| Small intestine              | 21        | 0.3       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.06      | 30        | 0.4                      | 0.9       | <b>0.7</b>               | 0.03   | 0.07  | C17             |
| Colon                        | 567       | 8.7       | 17.3                     | <b>15.4</b>  | 0.65                     | 1.83      | 546       | 7.8                      | 16.2      | <b>12.7</b>              | 0.70   | 1.47  | C18             |
| Rectum                       | 313       | 4.8       | 9.5                      | <b>8.3</b>   | 0.49                     | 0.98      | 288       | 4.1                      | 8.5       | <b>6.6</b>               | 0.40   | 0.75  | C19-20          |
| Anus                         | 13        | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.02      | 13        | 0.2                      | 0.4       | <b>0.3</b>               | 0.01   | 0.03  | C21             |
| Liver                        | 611       | 9.4       | 18.6                     | <b>16.1</b>  | 1.00                     | 1.94      | 199       | 2.8                      | 5.9       | <b>4.7</b>               | 0.26   | 0.54  | C22             |
| Gallbladder etc.             | 77        | 1.2       | 2.3                      | <b>2.0</b>   | 0.08                     | 0.21      | 65        | 0.9                      | 1.9       | <b>1.6</b>               | 0.09   | 0.18  | C23-24          |
| Pancreas                     | 144       | 2.2       | 4.4                      | <b>3.9</b>   | 0.18                     | 0.43      | 179       | 2.6                      | 5.3       | <b>4.1</b>               | 0.18   | 0.46  | C25             |
| Nose, sinuses etc.           | 13        | 0.2       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 10        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C30-31          |
| Larynx                       | 50        | 0.8       | 1.5                      | <b>1.3</b>   | 0.07                     | 0.19      | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C32             |
| Trachea, bronchus and lung   | 1006      | 15.5      | 30.7                     | <b>27.4</b>  | 1.04                     | 3.11      | 650       | 9.3                      | 19.3      | <b>15.3</b>              | 0.70   | 1.87  | C33-34          |
| Other thoracic organs        | 21        | 0.3       | 0.6                      | <b>0.7</b>   | 0.04                     | 0.06      | 22        | 0.3                      | 0.7       | <b>0.6</b>               | 0.04   | 0.07  | C37-38          |
| Bone                         | 21        | 0.3       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.05      | 22        | 0.3                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C40-41          |
| Melanoma of skin             | 25        | 0.4       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.06      | 24        | 0.3                      | 0.7       | <b>0.6</b>               | 0.04   | 0.07  | C43             |
| Other skin                   | 17        | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04      | 22        | 0.3                      | 0.7       | <b>0.5</b>               | 0.04   | 0.05  | C44             |
| Mesothelioma                 | 7         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C45             |
| Kaposi sarcoma               | 8         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 42        | 0.6       | 1.3                      | <b>1.3</b>   | 0.07                     | 0.11      | 46        | 0.7                      | 1.4       | <b>1.1</b>               | 0.06   | 0.12  | C47+C49         |
| Breast                       | 11        | 0.2       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03      | 2007      | 28.7                     | 59.5      | <b>47.4</b>              | 3.63   | 5.19  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 12        | 0.2                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 10        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 246       | 3.5                      | 7.3       | <b>5.7</b>               | 0.42   | 0.60  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 410       | 5.9                      | 12.2      | <b>9.8</b>               | 0.72   | 1.18  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 243       | 3.5                      | 7.2       | <b>5.8</b>               | 0.45   | 0.62  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 11        | 0.2                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 5         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 12        | 0.2       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1119      | 17.2      | 34.1                     | <b>32.1</b>  | 1.20                     | 4.37      |           |                          |           |                          |        |       | C61             |
| Testis                       | 54        | 0.8       | 1.6                      | <b>1.4</b>   | 0.09                     | 0.10      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 8         | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.04      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 178       | 2.7       | 5.4                      | <b>4.8</b>   | 0.25                     | 0.57      | 102       | 1.5                      | 3.0       | <b>2.5</b>               | 0.16   | 0.27  | C64             |
| Renal pelvis                 | 17        | 0.3       | 0.5                      | <b>0.5</b>   | 0.01                     | 0.06      | 10        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 6         | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.03      | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 282       | 4.3       | 8.6                      | <b>7.7</b>   | 0.27                     | 0.91      | 76        | 1.1                      | 2.3       | <b>1.7</b>               | 0.08   | 0.21  | C67             |
| Other urinary organs         | 5         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 4         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 9         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.02      | 10        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C69             |
| Brain, nervous system        | 80        | 1.2       | 2.4                      | <b>2.3</b>   | 0.14                     | 0.21      | 83        | 1.2                      | 2.5       | <b>2.3</b>               | 0.13   | 0.19  | C70-72          |
| Thyroid                      | 152       | 2.3       | 4.6                      | <b>3.8</b>   | 0.28                     | 0.40      | 573       | 8.2                      | 17.0      | <b>13.6</b>              | 1.01   | 1.34  | C73             |
| Adrenal gland                | 6         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 9         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 4         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 35        | 0.5       | 1.1                      | <b>1.0</b>   | 0.07                     | 0.09      | 18        | 0.3                      | 0.5       | <b>0.5</b>               | 0.03   | 0.03  | C81             |
| Non-Hodgkin lymphoma         | 240       | 3.7       | 7.3                      | <b>6.4</b>   | 0.37                     | 0.69      | 194       | 2.8                      | 5.8       | <b>4.6</b>               | 0.27   | 0.52  | C82-85,C96      |
| Immunoproliferative diseases | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                     | 0.00      | 4         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 55        | 0.8       | 1.7                      | <b>1.5</b>   | 0.08                     | 0.13      | 69        | 1.0                      | 2.0       | <b>1.6</b>               | 0.08   | 0.16  | C90             |
| Lymphoid leukaemia           | 50        | 0.8       | 1.5                      | <b>1.6</b>   | 0.09                     | 0.12      | 44        | 0.6                      | 1.3       | <b>1.5</b>               | 0.09   | 0.10  | C91             |
| Myeloid leukaemia            | 111       | 1.7       | 3.4                      | <b>2.9</b>   | 0.13                     | 0.27      | 69        | 1.0                      | 2.0       | <b>1.7</b>               | 0.10   | 0.15  | C92-94          |
| Leukaemia unspecified        | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 33        | 0.5       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.10      | 27        | 0.4                      | 0.8       | <b>0.7</b>               | 0.04   | 0.08  | MPD             |
| Myelodysplastic syndromes    | 57        | 0.9       | 1.7                      | <b>1.6</b>   | 0.04                     | 0.15      | 48        | 0.7                      | 1.4       | <b>1.1</b>               | 0.02   | 0.10  | MDS             |
| Other and unspecified        | 131       | 2.0       | 4.0                      | <b>3.4</b>   | 0.14                     | 0.33      | 132       | 1.9                      | 3.9       | <b>2.9</b>               | 0.12   | 0.31  | O&U             |
| All sites                    | 6511      |           | 198.6                    | <b>177.2</b> | 8.44                     | 20.67     | 7015      |                          | 208.0     | <b>165.8</b>             | 10.72  | 18.19 | C00-96          |
| All sites except C44         | 6494      | 100.0     | 198.1                    | <b>176.8</b> | 8.42                     | 20.63     | 6993      | 100.0                    | 207.4     | <b>165.3</b>             | 10.68  | 18.14 | C00-96 exc. C44 |

## USA, New York State: Black (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 5          | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01       | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 213        | 0.6       | 2.7                      | <b>2.6</b>   | 0.18                     | 0.33       | 94        | 0.3                      | 1.0       | <b>0.7</b>               | 0.04   | 0.09  | C01-02          |
| Mouth                        | 187        | 0.6       | 2.3                      | <b>2.2</b>   | 0.17                     | 0.26       | 122       | 0.4                      | 1.3       | <b>1.0</b>               | 0.07   | 0.11  | C03-06          |
| Salivary glands              | 68         | 0.2       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.09       | 88        | 0.3                      | 1.0       | <b>0.7</b>               | 0.05   | 0.08  | C07-08          |
| Tonsil                       | 169        | 0.5       | 2.1                      | <b>2.0</b>   | 0.16                     | 0.24       | 51        | 0.2                      | 0.6       | <b>0.4</b>               | 0.04   | 0.05  | C09             |
| Other oropharynx             | 77         | 0.2       | 1.0                      | <b>1.0</b>   | 0.07                     | 0.12       | 21        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 68         | 0.2       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.08       | 37        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C11             |
| Hypopharynx                  | 111        | 0.3       | 1.4                      | <b>1.3</b>   | 0.08                     | 0.17       | 26        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 19         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.03       | 14        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 512        | 1.5       | 6.4                      | <b>6.2</b>   | 0.36                     | 0.79       | 271       | 0.8                      | 2.9       | <b>2.1</b>               | 0.11   | 0.26  | C15             |
| Stomach                      | 901        | 2.7       | 11.2                     | <b>10.5</b>  | 0.51                     | 1.20       | 849       | 2.7                      | 9.2       | <b>6.0</b>               | 0.29   | 0.66  | C16             |
| Small intestine              | 180        | 0.5       | 2.2                      | <b>2.2</b>   | 0.14                     | 0.26       | 219       | 0.7                      | 2.4       | <b>1.7</b>               | 0.10   | 0.21  | C17             |
| Colon                        | 2320       | 6.8       | 29.0                     | <b>27.2</b>  | 1.43                     | 3.15       | 2947      | 9.2                      | 31.9      | <b>21.8</b>              | 1.15   | 2.55  | C18             |
| Rectum                       | 861        | 2.5       | 10.7                     | <b>10.2</b>  | 0.62                     | 1.22       | 918       | 2.9                      | 9.9       | <b>7.1</b>               | 0.45   | 0.84  | C19-20          |
| Anus                         | 144        | 0.4       | 1.8                      | <b>1.6</b>   | 0.13                     | 0.17       | 134       | 0.4                      | 1.5       | <b>1.1</b>               | 0.08   | 0.13  | C21             |
| Liver                        | 990        | 2.9       | 12.4                     | <b>11.7</b>  | 0.87                     | 1.38       | 378       | 1.2                      | 4.1       | <b>3.0</b>               | 0.18   | 0.34  | C22             |
| Gallbladder etc.             | 154        | 0.5       | 1.9                      | <b>1.8</b>   | 0.09                     | 0.20       | 319       | 1.0                      | 3.5       | <b>2.3</b>               | 0.10   | 0.26  | C23-24          |
| Pancreas                     | 787        | 2.3       | 9.8                      | <b>9.3</b>   | 0.50                     | 1.11       | 998       | 3.1                      | 10.8      | <b>7.1</b>               | 0.34   | 0.81  | C25             |
| Nose, sinuses etc.           | 53         | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.07       | 51        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.04  | C30-31          |
| Larynx                       | 519        | 1.5       | 6.5                      | <b>6.3</b>   | 0.41                     | 0.82       | 148       | 0.5                      | 1.6       | <b>1.3</b>               | 0.09   | 0.16  | C32             |
| Trachea, bronchus and lung   | 4081       | 12.0      | 50.9                     | <b>48.7</b>  | 2.63                     | 6.14       | 3493      | 11.0                     | 37.8      | <b>27.2</b>              | 1.53   | 3.37  | C33-34          |
| Other thoracic organs        | 40         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.05       | 57        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C37-38          |
| Bone                         | 81         | 0.2       | 1.0                      | <b>1.0</b>   | 0.07                     | 0.07       | 81        | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 60         | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.07       | 91        | 0.3                      | 1.0       | <b>0.7</b>               | 0.05   | 0.08  | C43             |
| Other skin                   | 85         | 0.2       | 1.1                      | <b>0.9</b>   | 0.07                     | 0.09       | 96        | 0.3                      | 1.0       | <b>0.9</b>               | 0.06   | 0.08  | C44             |
| Mesothelioma                 | 36         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05       | 20        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 267        | 0.8       | 3.3                      | <b>2.9</b>   | 0.24                     | 0.25       | 54        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C46             |
| Connective and soft tissue   | 199        | 0.6       | 2.5                      | <b>2.3</b>   | 0.15                     | 0.23       | 223       | 0.7                      | 2.4       | <b>2.0</b>               | 0.14   | 0.20  | C47+C49         |
| Breast                       | 74         | 0.2       | 0.9                      | <b>0.9</b>   | 0.04                     | 0.10       | 9103      | 28.5                     | 98.6      | <b>74.7</b>              | 5.36   | 8.44  | C50             |
| Vulva                        |            |           |                          |              |                          |            | 148       | 0.5                      | 1.6       | <b>1.2</b>               | 0.08   | 0.12  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 99        | 0.3                      | 1.1       | <b>0.8</b>               | 0.05   | 0.08  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 1140      | 3.6                      | 12.3      | <b>9.6</b>               | 0.70   | 1.02  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 2091      | 6.6                      | 22.6      | <b>17.3</b>              | 1.09   | 2.28  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 143       | 0.4                      | 1.5       | <b>1.1</b>               | 0.08   | 0.13  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 836       | 2.6                      | 9.1       | <b>6.9</b>               | 0.44   | 0.78  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 53        | 0.2                      | 0.6       | <b>0.4</b>               | 0.03   | 0.04  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 24        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C58             |
| Penis                        | 68         | 0.2       | 0.8                      | <b>0.8</b>   | 0.04                     | 0.08       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 14283      | 42.1      | 178.3                    | <b>176.2</b> | 9.81                     | 23.64      |           |                          |           |                          |        |       | C61             |
| Testis                       | 120        | 0.4       | 1.5                      | <b>1.4</b>   | 0.11                     | 0.11       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 14         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 997        | 2.9       | 12.4                     | <b>12.0</b>  | 0.78                     | 1.45       | 703       | 2.2                      | 7.6       | <b>5.9</b>               | 0.37   | 0.67  | C64             |
| Renal pelvis                 | 20         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.03       | 21        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 10         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.02       | 12        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 878        | 2.6       | 11.0                     | <b>10.4</b>  | 0.46                     | 1.20       | 483       | 1.5                      | 5.2       | <b>3.4</b>               | 0.15   | 0.38  | C67             |
| Other urinary organs         | 32         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05       | 18        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 26         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02       | 25        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 325        | 1.0       | 4.1                      | <b>4.0</b>   | 0.25                     | 0.39       | 317       | 1.0                      | 3.4       | <b>2.9</b>               | 0.18   | 0.27  | C70-72          |
| Thyroid                      | 190        | 0.6       | 2.4                      | <b>2.2</b>   | 0.14                     | 0.24       | 864       | 2.7                      | 9.4       | <b>7.8</b>               | 0.61   | 0.79  | C73             |
| Adrenal gland                | 30         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.04       | 33        | 0.1                      | 0.4       | <b>0.5</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 16         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02       | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 237        | 0.7       | 3.0                      | <b>2.7</b>   | 0.22                     | 0.24       | 212       | 0.7                      | 2.3       | <b>2.1</b>               | 0.15   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 1142       | 3.4       | 14.3                     | <b>13.1</b>  | 0.92                     | 1.43       | 1098      | 3.4                      | 11.9      | <b>9.3</b>               | 0.64   | 0.97  | C82-85,C96      |
| Immunoproliferative diseases | 18         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02       | 11        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 708        | 2.1       | 8.8                      | <b>8.4</b>   | 0.45                     | 1.03       | 870       | 2.7                      | 9.4       | <b>6.4</b>               | 0.35   | 0.75  | C90             |
| Lymphoid leukaemia           | 337        | 1.0       | 4.2                      | <b>4.2</b>   | 0.23                     | 0.44       | 248       | 0.8                      | 2.7       | <b>2.1</b>               | 0.12   | 0.20  | C91             |
| Myeloid leukaemia            | 312        | 0.9       | 3.9                      | <b>3.7</b>   | 0.19                     | 0.43       | 332       | 1.0                      | 3.6       | <b>2.9</b>               | 0.17   | 0.30  | C92-94          |
| Leukaemia unspecified        | 22         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03       | 24        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 194        | 0.6       | 2.4                      | <b>2.2</b>   | 0.14                     | 0.25       | 188       | 0.6                      | 2.0       | <b>1.5</b>               | 0.09   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 162        | 0.5       | 2.0                      | <b>1.9</b>   | 0.07                     | 0.20       | 190       | 0.6                      | 2.1       | <b>1.4</b>               | 0.05   | 0.16  | MDS             |
| Other and unspecified        | 631        | 1.9       | 7.9                      | <b>7.3</b>   | 0.38                     | 0.80       | 890       | 2.8                      | 9.6       | <b>6.5</b>               | 0.34   | 0.73  | O&U             |
| All sites                    | 34033      |           | 424.8                    | <b>409.7</b> | 23.50                    | 50.91      | 31995     |                          | 346.4     | <b>256.3</b>             | 16.24  | 29.18 | C00-96          |
| All sites except C44         | 33948      | 100.0     | 423.7                    | <b>408.7</b> | 23.43                    | 50.82      | 31899     | 100.0                    | 345.4     | <b>255.5</b>             | 16.18  | 29.11 | C00-96 exc. C44 |

§Includes 1 case of unknown age

§Includes 1 case of unknown age

## USA, New York State: White (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 272        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                | 0.04                | 101        | 0.0       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01                | C00             |
| Tongue                       | 1643       | 0.8       | 4.7                      | <b>3.2</b>   | 0.23                | 0.40                | 704        | 0.3       | 1.9                      | <b>1.1</b>   | 0.07                | 0.13                | C01-02          |
| Mouth                        | 1005       | 0.5       | 2.9                      | <b>1.9</b>   | 0.13                | 0.23                | 759        | 0.4       | 2.1                      | <b>1.1</b>   | 0.06                | 0.12                | C03-06          |
| Salivary glands              | 607        | 0.3       | 1.7                      | <b>1.0</b>   | 0.05                | 0.11                | 477        | 0.2       | 1.3                      | <b>0.8</b>   | 0.05                | 0.08                | C07-08          |
| Tonsil                       | 979        | 0.5       | 2.8                      | <b>2.0</b>   | 0.17                | 0.24                | 250        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                | 0.05                | C09             |
| Other oropharynx             | 284        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.07                | 96         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 234        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | 129        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03                | C11             |
| Hypopharynx                  | 401        | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.10                | 113        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 71         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | 56         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 3262       | 1.6       | 9.3                      | <b>5.9</b>   | 0.31                | 0.73                | 1093       | 0.5       | 3.0                      | <b>1.3</b>   | 0.06                | 0.16                | C15             |
| Stomach                      | 4137       | 2.0       | 11.8                     | <b>7.1</b>   | 0.35                | 0.84                | 2790       | 1.4       | 7.6                      | <b>3.5</b>   | 0.18                | 0.39                | C16             |
| Small intestine              | 861        | 0.4       | 2.4                      | <b>1.6</b>   | 0.09                | 0.18                | 767        | 0.4       | 2.1                      | <b>1.1</b>   | 0.07                | 0.13                | C17             |
| Colon                        | 14302      | 6.8       | 40.6                     | <b>23.7</b>  | 1.06                | 2.69                | 15954      | 7.8       | 43.2                     | <b>18.7</b>  | 0.84                | 2.08                | C18             |
| Rectum                       | 6310       | 3.0       | 17.9                     | <b>11.3</b>  | 0.65                | 1.34                | 5243       | 2.6       | 14.2                     | <b>7.2</b>   | 0.42                | 0.83                | C19-20          |
| Anus                         | 569        | 0.3       | 1.6                      | <b>1.1</b>   | 0.08                | 0.12                | 832        | 0.4       | 2.3                      | <b>1.3</b>   | 0.10                | 0.15                | C21             |
| Liver                        | 3771       | 1.8       | 10.7                     | <b>7.0</b>   | 0.45                | 0.86                | 1632       | 0.8       | 4.4                      | <b>2.3</b>   | 0.12                | 0.26                | C22             |
| Gallbladder etc.             | 1174       | 0.6       | 3.3                      | <b>1.9</b>   | 0.08                | 0.21                | 1563       | 0.8       | 4.2                      | <b>1.8</b>   | 0.08                | 0.22                | C23-24          |
| Pancreas                     | 5336       | 2.6       | 15.2                     | <b>9.1</b>   | 0.45                | 1.07                | 5763       | 2.8       | 15.6                     | <b>6.8</b>   | 0.31                | 0.77                | C25             |
| Nose, sinuses etc.           | 305        | 0.1       | 0.9                      | <b>0.6</b>   | 0.04                | 0.06                | 249        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 2630       | 1.3       | 7.5                      | <b>4.9</b>   | 0.30                | 0.62                | 731        | 0.4       | 2.0                      | <b>1.1</b>   | 0.07                | 0.14                | C32             |
| Trachea, bronchus and lung   | 28641      | 13.7      | 81.4                     | <b>49.4</b>  | 2.23                | 6.17                | 27400      | 13.4      | 74.2                     | <b>37.9</b>  | 1.93                | 4.86                | C33-34          |
| Other thoracic organs        | 249        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | 195        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.04                | C37-38          |
| Bone                         | 488        | 0.2       | 1.4                      | <b>1.3</b>   | 0.08                | 0.10                | 466        | 0.2       | 1.3                      | <b>1.1</b>   | 0.07                | 0.09                | C40-41          |
| Melanoma of skin             | 7954       | 3.8       | 22.6                     | <b>14.9</b>  | 0.90                | 1.67                | 6093       | 3.0       | 16.5                     | <b>10.7</b>  | 0.76                | 1.10                | C43             |
| Other skin                   | 641        | 0.3       | 1.8                      | <b>1.1</b>   | 0.06                | 0.11                | 579        | 0.3       | 1.6                      | <b>0.9</b>   | 0.05                | 0.09                | C44             |
| Mesothelioma                 | 710        | 0.3       | 2.0                      | <b>1.1</b>   | 0.04                | 0.13                | 222        | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.03                | C45             |
| Kaposi sarcoma               | 491        | 0.2       | 1.4                      | <b>1.0</b>   | 0.07                | 0.09                | 106        | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.01                | C46             |
| Connective and soft tissue   | 1514       | 0.7       | 4.3                      | <b>3.1</b>   | 0.17                | 0.31                | 1128       | 0.6       | 3.1                      | <b>2.0</b>   | 0.13                | 0.19                | C47+C49         |
| Breast                       | 486        | 0.2       | 1.4                      | <b>0.8</b>   | 0.04                | 0.10                | 55852      | 27.4      | 151.3                    | <b>90.9</b>  | 6.42                | 10.47               | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 1159       | 0.6       | 3.1                      | <b>1.5</b>   | 0.08                | 0.16                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 286        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                | 0.04                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 3048       | 1.5       | 8.3                      | <b>6.0</b>   | 0.47                | 0.59                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 13029      | 6.4       | 35.3                     | <b>21.4</b>  | 1.55                | 2.66                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 328        | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                | 0.05                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 6563       | 3.2       | 17.8                     | <b>10.6</b>  | 0.73                | 1.20                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 351        | 0.2       | 1.0                      | <b>0.5</b>   | 0.03                | 0.06                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 31         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 299        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 57579      | 27.5      | 163.6                    | <b>106.2</b> | 5.47                | 14.38               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 2361       | 1.1       | 6.7                      | <b>6.2</b>   | 0.47                | 0.48                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 94         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 7630       | 3.6       | 21.7                     | <b>14.4</b>  | 0.88                | 1.74                | 4492       | 2.2       | 12.2                     | <b>7.0</b>   | 0.42                | 0.83                | C64             |
| Renal pelvis                 | 445        | 0.2       | 1.3                      | <b>0.7</b>   | 0.03                | 0.09                | 322        | 0.2       | 0.9                      | <b>0.4</b>   | 0.01                | 0.05                | C65             |
| Ureter                       | 345        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                | 0.07                | 195        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 16503      | 7.9       | 46.9                     | <b>27.2</b>  | 1.12                | 3.19                | 5988       | 2.9       | 16.2                     | <b>7.6</b>   | 0.37                | 0.90                | C67             |
| Other urinary organs         | 193        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 87         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 474        | 0.2       | 1.3                      | <b>1.0</b>   | 0.06                | 0.11                | 422        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.08                | C69             |
| Brain, nervous system        | 3180       | 1.5       | 9.0                      | <b>7.2</b>   | 0.45                | 0.69                | 2599       | 1.3       | 7.0                      | <b>5.2</b>   | 0.32                | 0.48                | C70-72          |
| Thyroid                      | 2545       | 1.2       | 7.2                      | <b>5.4</b>   | 0.41                | 0.58                | 7462       | 3.7       | 20.2                     | <b>15.8</b>  | 1.24                | 1.51                | C73             |
| Adrenal gland                | 152        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                | 0.03                | 179        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                | 0.04                | C74             |
| Other endocrine              | 71         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | 56         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 1412       | 0.7       | 4.0                      | <b>3.5</b>   | 0.24                | 0.29                | 1239       | 0.6       | 3.4                      | <b>3.1</b>   | 0.21                | 0.25                | C81             |
| Non-Hodgkin lymphoma         | 9538       | 4.6       | 27.1                     | <b>17.8</b>  | 1.02                | 1.97                | 8673       | 4.2       | 23.5                     | <b>12.6</b>  | 0.72                | 1.41                | C82-85,C96      |
| Immunoproliferative diseases | 258        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | 176        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 2701       | 1.3       | 7.7                      | <b>4.6</b>   | 0.23                | 0.53                | 2278       | 1.1       | 6.2                      | <b>2.9</b>   | 0.15                | 0.35                | C90             |
| Lymphoid leukaemia           | 3686       | 1.8       | 10.5                     | <b>7.5</b>   | 0.38                | 0.73                | 2611       | 1.3       | 7.1                      | <b>4.3</b>   | 0.21                | 0.39                | C91             |
| Myeloid leukaemia            | 2749       | 1.3       | 7.8                      | <b>5.1</b>   | 0.26                | 0.53                | 2366       | 1.2       | 6.4                      | <b>3.6</b>   | 0.20                | 0.37                | C92-94          |
| Leukaemia unspecified        | 211        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | 207        | 0.1       | 0.6                      | <b>0.2</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 1646       | 0.8       | 4.7                      | <b>3.0</b>   | 0.16                | 0.33                | 1662       | 0.8       | 4.5                      | <b>2.2</b>   | 0.12                | 0.25                | MPD             |
| Myelodysplastic syndromes    | 2543       | 1.2       | 7.2                      | <b>3.6</b>   | 0.09                | 0.35                | 2186       | 1.1       | 5.9                      | <b>2.2</b>   | 0.08                | 0.22                | MDS             |
| Other and unspecified        | 3922       | 1.9       | 11.1                     | <b>6.5</b>   | 0.30                | 0.70                | 5444       | 2.7       | 14.7                     | <b>6.2</b>   | 0.28                | 0.66                | O&U             |
| All sites                    | 209864     |           | 596.2                    | <b>380.9</b> | 19.88               | 45.71               | 204782     |           | 554.7                    | <b>310.5</b> | 19.30               | 35.19               | C00-96          |
| All sites except C44         | 209223     | 100.0     | 594.3                    | <b>379.7</b> | 19.82               | 45.59               | 204203     | 100.0     | 553.2                    | <b>309.6</b> | 19.24               | 35.10               | C00-96 exc. C44 |

§Includes 2 cases of unknown age

§Includes 1 case of unknown age

# USA, North Carolina

## REGISTRATION AREA

The North Carolina Central Cancer Registry (CCR) is a statewide population-based cancer registry that covers all residents of the state of North Carolina in the USA. In 2012, the state's population was estimated at 9.8 million. The registry covers residents of all races and ethnicities.

## CANCER CARE FACILITIES

The CCR receives most of its cancer incidence data from health care facilities (hospitals, cancer centres, and dermatology, urology, and surgical oncology centres). Incidence data also come from physicians' offices, pathology reports, interstate data exchange, nursing facilities, and death clearance cases.

## REGISTRY STRUCTURE AND METHODS

The CCR is funded through state appropriations and the National Program of Cancer Registries (NPCR). The registry became operational in 1987 and has since increased its case ascertainment to more than 90%. The CCR is responsible for cancer surveillance throughout North Carolina, and its core mission is to collect timely cancer data, to analyse the data, and to disseminate the data to public health agencies and advocates, legislators, policy-makers, researchers, state and national organizations, and citizens of North Carolina. The CCR's case ascertainment is critical for identifying and monitoring areas of high cancer burden, and for facilitating programmes and policies that focus on early detection to improve cancer prevention and control outcomes among North Carolinians.

## INTERPRETING THE RESULTS

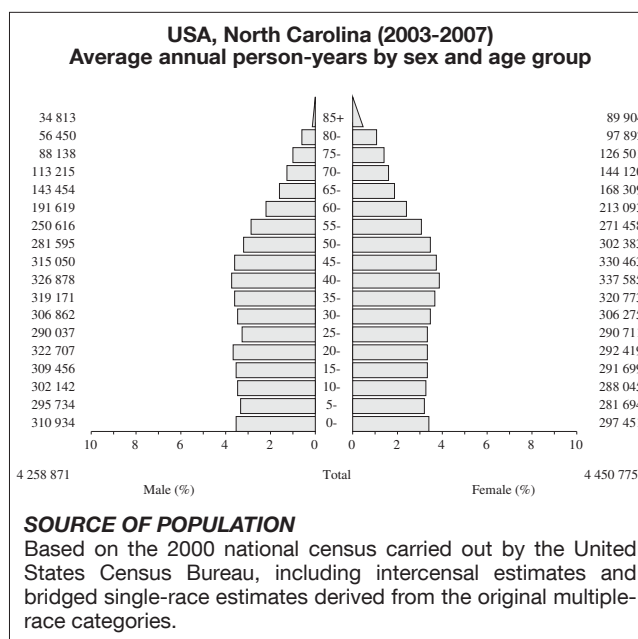
North Carolina has screening programmes for breast cancer (among women aged 50–64 years, with 7% coverage) and cervical cancer (among women aged 18–64 years, with 10% coverage). Both programmes started in 1993.

## USE OF THE DATA

North Carolina cancer incidence and mortality data are used for planning and evaluating health services at the county level, identifying high cancer incidence within certain counties, educating the public, motivating entities such as hospitals and physicians to report incidence data accurately and in a timely manner, and encouraging more hospitals to organize tumour registries to provide better service to their cancer patients. CCR data are available from the State Center for Health Statistics website (<http://www.schs.state.nc.us/data/cancer.cfm>).

## CONTRIBUTOR

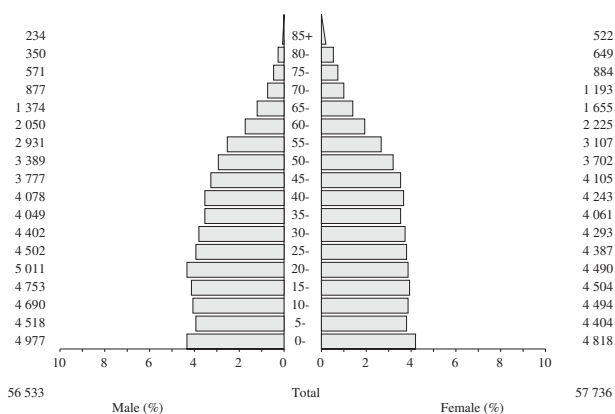
Chandrika Rao



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.9 | Breast                     | 87.1  |
| Trachea, bronchus and lung | 64.8  | Trachea, bronchus and lung | 38.5  |
| Colon                      | 25.0  | Colon                      | 19.1  |
| Bladder                    | 20.9  | Corpus uteri               | 14.9  |
| Melanoma of skin           | 15.8  | Melanoma of skin           | 11.6  |
| Kidney                     | 15.3  | Thyroid                    | 11.4  |
| Non-Hodgkin lymphoma       | 14.9  | Non-Hodgkin lymphoma       | 10.6  |
| Rectum                     | 11.4  | Ovary                      | 8.7   |
| Pancreas                   | 8.2   | Kidney                     | 7.3   |
| Other and unspecified      | 7.9   | Rectum                     | 6.8   |
| All sites                  | 381.6 | All sites                  | 284.3 |

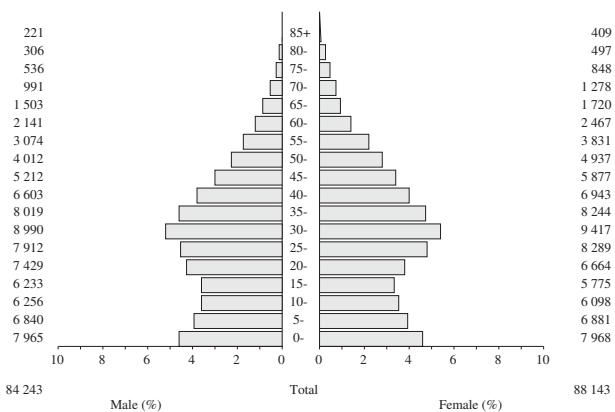
**USA, North Carolina: American Indian (2003-2007)**  
Average annual person-years by sex and age group



**USA, NORTH CAROLINA: AMERICAN INDIAN**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 116.3 | Breast                     | 58.7  |
| Trachea, bronchus and lung | 61.0  | Trachea, bronchus and lung | 28.6  |
| Colon                      | 15.6  | Colon                      | 10.7  |
| Kidney                     | 10.7  | Corpus uteri               | 10.7  |
| Rectum                     | 8.6   | Kidney                     | 9.3   |
| Bladder                    | 8.1   | Non-Hodgkin lymphoma       | 6.2   |
| Non-Hodgkin lymphoma       | 6.2   | Rectum                     | 4.9   |
| Liver                      | 5.8   | Thyroid                    | 4.8   |
| Other and unspecified      | 5.5   | Myelodysplastic syndromes  | 4.4   |
| Stomach                    | 5.1   | Cervix uteri               | 4.4   |
| All sites                  | 298.1 | All sites                  | 191.8 |

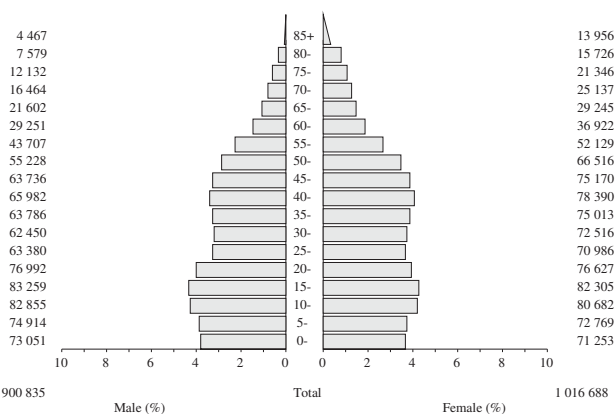
**USA, North Carolina: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, NORTH CAROLINA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

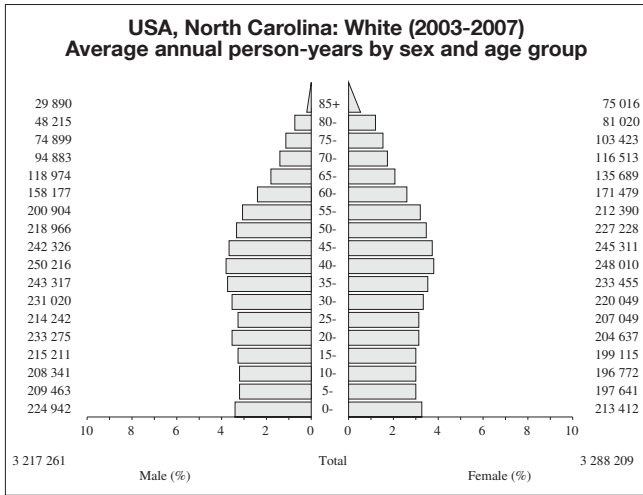
| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 28.8  | Breast                     | 38.4  |
| Trachea, bronchus and lung | 17.1  | Trachea, bronchus and lung | 13.8  |
| Liver                      | 13.3  | Thyroid                    | 10.2  |
| Non-Hodgkin lymphoma       | 6.5   | Corpus uteri               | 8.9   |
| Colon                      | 6.5   | Colon                      | 8.8   |
| Bladder                    | 6.0   | Liver                      | 6.7   |
| Stomach                    | 4.6   | Cervix uteri               | 6.5   |
| Rectum                     | 4.5   | Non-Hodgkin lymphoma       | 5.9   |
| Kidney                     | 3.8   | Ovary                      | 4.2   |
| Lymphoid leukaemia         | 3.2   | Rectum                     | 3.6   |
| All sites                  | 124.7 | All sites                  | 137.2 |

**USA, North Carolina: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, NORTH CAROLINA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 176.5 | Breast                     | 86.9  |
| Trachea, bronchus and lung | 74.8  | Trachea, bronchus and lung | 31.0  |
| Colon                      | 32.3  | Colon                      | 25.6  |
| Kidney                     | 18.2  | Corpus uteri               | 14.3  |
| Rectum                     | 12.0  | Non-Hodgkin lymphoma       | 8.7   |
| Non-Hodgkin lymphoma       | 12.0  | Pancreas                   | 8.5   |
| Pancreas                   | 11.3  | Kidney                     | 8.4   |
| Bladder                    | 11.2  | Thyroid                    | 8.2   |
| Stomach                    | 10.0  | Rectum                     | 7.6   |
| Larynx                     | 9.5   | Other and unspecified      | 7.4   |
| All sites                  | 454.8 | All sites                  | 273.4 |



**USA, NORTH CAROLINA: WHITE**  
**10 MAJOR CANCERS, ASR (WORLD) PER 100 000**

|                            | Male  |                            | Female |
|----------------------------|-------|----------------------------|--------|
| Prostate                   | 96.5  | Breast                     | 87.3   |
| Trachea, bronchus and lung | 63.1  | Trachea, bronchus and lung | 40.4   |
| Colon                      | 23.7  | Colon                      | 17.5   |
| Bladder                    | 22.9  | Corpus uteri               | 15.3   |
| Melanoma of skin           | 19.3  | Melanoma of skin           | 15.0   |
| Non-Hodgkin lymphoma       | 15.4  | Thyroid                    | 12.3   |
| Kidney                     | 14.7  | Non-Hodgkin lymphoma       | 10.9   |
| Rectum                     | 11.2  | Ovary                      | 9.3    |
| Pancreas                   | 7.7   | Kidney                     | 7.0    |
| Other and unspecified      | 7.6   | Rectum                     | 6.6    |
| All sites                  | 367.6 | All sites                  | 288.0  |

## USA, North Carolina (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 166       | 0.1       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.07      | 55        | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 939       | 0.8       | 4.4                      | <b>3.4</b>   | 0.26                     | 0.41      | 361       | 0.4                      | 1.6       | <b>1.0</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 709       | 0.6       | 3.3                      | <b>2.5</b>   | 0.17                     | 0.29      | 476       | 0.5                      | 2.1       | <b>1.2</b>               | 0.07   | 0.14  | C03-06          |
| Salivary glands              | 301       | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                     | 0.11      | 191       | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 733       | 0.7       | 3.4                      | <b>2.6</b>   | 0.22                     | 0.30      | 170       | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 217       | 0.2       | 1.0                      | <b>0.8</b>   | 0.06                     | 0.09      | 63        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 151       | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06      | 74        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 323       | 0.3       | 1.5                      | <b>1.1</b>   | 0.09                     | 0.15      | 95        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C12-13          |
| Pharynx unspecified          | 89        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04      | 34        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1689      | 1.5       | 7.9                      | <b>5.8</b>   | 0.36                     | 0.71      | 486       | 0.5                      | 2.2       | <b>1.2</b>               | 0.06   | 0.16  | C15             |
| Stomach                      | 1636      | 1.5       | 7.7                      | <b>5.4</b>   | 0.27                     | 0.66      | 1050      | 1.1                      | 4.7       | <b>2.5</b>               | 0.12   | 0.28  | C16             |
| Small intestine              | 506       | 0.5       | 2.4                      | <b>1.8</b>   | 0.11                     | 0.21      | 453       | 0.5                      | 2.0       | <b>1.3</b>               | 0.08   | 0.16  | C17             |
| Colon                        | 7563      | 6.8       | 35.5                     | <b>25.0</b>  | 1.29                     | 2.96      | 7700      | 7.8                      | 34.6      | <b>19.1</b>              | 0.99   | 2.21  | C18             |
| Rectum                       | 3292      | 3.0       | 15.5                     | <b>11.4</b>  | 0.71                     | 1.38      | 2472      | 2.5                      | 11.1      | <b>6.8</b>               | 0.43   | 0.78  | C19-20          |
| Anus                         | 253       | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                     | 0.10      | 463       | 0.5                      | 2.1       | <b>1.3</b>               | 0.10   | 0.15  | C21             |
| Liver                        | 1657      | 1.5       | 7.8                      | <b>5.8</b>   | 0.39                     | 0.68      | 624       | 0.6                      | 2.8       | <b>1.7</b>               | 0.09   | 0.19  | C22             |
| Gallbladder etc.             | 472       | 0.4       | 2.2                      | <b>1.5</b>   | 0.06                     | 0.18      | 582       | 0.6                      | 2.6       | <b>1.4</b>               | 0.07   | 0.17  | C23-24          |
| Pancreas                     | 2491      | 2.2       | 11.7                     | <b>8.2</b>   | 0.41                     | 1.00      | 2619      | 2.6                      | 11.8      | <b>6.2</b>               | 0.29   | 0.72  | C25             |
| Nose, sinuses etc.           | 164       | 0.1       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.07      | 142       | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.05  | C30-31          |
| Larynx                       | 1680      | 1.5       | 7.9                      | <b>5.8</b>   | 0.36                     | 0.73      | 447       | 0.5                      | 2.0       | <b>1.4</b>               | 0.09   | 0.18  | C32             |
| Trachea, bronchus and lung   | 19526     | 17.6      | 91.7                     | <b>64.8</b>  | 3.07                     | 8.27      | 14396     | 14.5                     | 64.7      | <b>38.5</b>              | 2.00   | 4.98  | C33-34          |
| Other thoracic organs        | 105       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.04      | 76        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 237       | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                     | 0.09      | 202       | 0.2                      | 0.9       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 4579      | 4.1       | 21.5                     | <b>15.8</b>  | 0.95                     | 1.81      | 3556      | 3.6                      | 16.0      | <b>11.6</b>              | 0.81   | 1.18  | C43             |
| Other skin                   | 325       | 0.3       | 1.5                      | <b>1.1</b>   | 0.05                     | 0.11      | 247       | 0.2                      | 1.1       | <b>0.8</b>               | 0.05   | 0.07  | C44             |
| Mesothelioma                 | 288       | 0.3       | 1.4                      | <b>0.9</b>   | 0.03                     | 0.11      | 74        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 100       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 16        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 733       | 0.7       | 3.4                      | <b>2.7</b>   | 0.16                     | 0.27      | 624       | 0.6                      | 2.8       | <b>2.0</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 283       | 0.3       | 1.3                      | <b>1.0</b>   | 0.06                     | 0.11      | 29293     | 29.5                     | 131.6     | <b>87.1</b>              | 6.16   | 10.11 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 551       | 0.6                      | 2.5       | <b>1.5</b>               | 0.10   | 0.16  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 173       | 0.2                      | 0.8       | <b>0.5</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 1842      | 1.9                      | 8.3       | <b>6.2</b>               | 0.50   | 0.61  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 5004      | 5.0                      | 22.5      | <b>14.9</b>              | 1.05   | 1.83  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 217       | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.07  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 3016      | 3.0                      | 13.6      | <b>8.7</b>               | 0.55   | 1.01  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 136       | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 15        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 150       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 31637     | 28.6      | 148.6                    | <b>109.9</b> | 5.94                     | 14.97     |           |                          |           |                          |        |       | C61             |
| Testis                       | 1067      | 1.0       | 5.0                      | <b>4.6</b>   | 0.34                     | 0.35      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 32        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 4358      | 3.9       | 20.5                     | <b>15.3</b>  | 0.95                     | 1.86      | 2475      | 2.5                      | 11.1      | <b>7.3</b>               | 0.46   | 0.84  | C64             |
| Renal pelvis                 | 197       | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.08      | 156       | 0.2                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 138       | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.06      | 105       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 6552      | 5.9       | 30.8                     | <b>20.9</b>  | 0.85                     | 2.47      | 2254      | 2.3                      | 10.1      | <b>5.4</b>               | 0.25   | 0.64  | C67             |
| Other urinary organs         | 43        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      | 43        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 235       | 0.2       | 1.1                      | <b>0.9</b>   | 0.05                     | 0.10      | 184       | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 1628      | 1.5       | 7.6                      | <b>6.5</b>   | 0.40                     | 0.64      | 1357      | 1.4                      | 6.1       | <b>4.8</b>               | 0.29   | 0.44  | C70-72          |
| Thyroid                      | 955       | 0.9       | 4.5                      | <b>3.5</b>   | 0.27                     | 0.39      | 3166      | 3.2                      | 14.2      | <b>11.4</b>              | 0.88   | 1.10  | C73             |
| Adrenal gland                | 61        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 66        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 30        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 36        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 621       | 0.6       | 2.9                      | <b>2.6</b>   | 0.18                     | 0.21      | 522       | 0.5                      | 2.3       | <b>2.1</b>               | 0.15   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 4300      | 3.9       | 20.2                     | <b>14.9</b>  | 0.85                     | 1.68      | 3850      | 3.9                      | 17.3      | <b>10.6</b>              | 0.60   | 1.20  | C82-85,C96      |
| Immunoproliferative diseases | 57        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 37        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 1453      | 1.3       | 6.8                      | <b>4.8</b>   | 0.24                     | 0.58      | 1330      | 1.3                      | 6.0       | <b>3.4</b>               | 0.18   | 0.42  | C90             |
| Lymphoid leukaemia           | 1452      | 1.3       | 6.8                      | <b>5.6</b>   | 0.28                     | 0.54      | 1017      | 1.0                      | 4.6       | <b>3.2</b>               | 0.15   | 0.30  | C91             |
| Myeloid leukaemia            | 1299      | 1.2       | 6.1                      | <b>4.6</b>   | 0.23                     | 0.48      | 1097      | 1.1                      | 4.9       | <b>3.3</b>               | 0.19   | 0.34  | C92-94          |
| Leukaemia unspecified        | 103       | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03      | 114       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 476       | 0.4       | 2.2                      | <b>1.6</b>   | 0.10                     | 0.19      | 518       | 0.5                      | 2.3       | <b>1.4</b>               | 0.08   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 670       | 0.6       | 3.1                      | <b>2.0</b>   | 0.06                     | 0.22      | 510       | 0.5                      | 2.3       | <b>1.1</b>               | 0.04   | 0.12  | MDS             |
| Other and unspecified        | 2403      | 2.2       | 11.3                     | <b>7.9</b>   | 0.38                     | 0.86      | 2727      | 2.7                      | 12.3      | <b>6.3</b>               | 0.30   | 0.67  | O&U             |
| All sites                    | 111124    |           | 521.8                    | <b>381.6</b> | 20.65                    | 46.89     | 99559     |                          | 447.4     | <b>284.3</b>             | 17.83  | 32.57 | C00-96          |
| All sites except C44         | 110799    | 100.0     | 520.3                    | <b>380.5</b> | 20.60                    | 46.78     | 99312     | 100.0                    | 446.3     | <b>283.5</b>             | 17.78  | 32.50 | C00-96 exc. C44 |



## USA, North Carolina: American Indian (2003-2007)

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                | 0.03                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C00                 |
| Tongue                       | 4         | 0.5       | 1.4                      | <b>1.3</b>   | 0.13                | 0.13                | 5         | 0.8       | 1.7                      | <b>1.5</b>   | 0.11   | 0.17                | C01-02              |
| Mouth                        | 5         | 0.6       | 1.8                      | <b>1.8</b>   | 0.20                | 0.20                | 4         | 0.6       | 1.4                      | <b>1.1</b>   | 0.14   | 0.14                | C03-06              |
| Salivary glands              | 2         | 0.2       | 0.7                      | <b>0.6</b>   | 0.06                | 0.06                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C07-08              |
| Tonsil                       | 5         | 0.6       | 1.8                      | <b>1.5</b>   | 0.14                | 0.14                | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C09                 |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C10                 |
| Nasopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C11                 |
| Hypopharynx                  | 2         | 0.2       | 0.7                      | <b>0.9</b>   | 0.00                | 0.15                | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.00   | 0.00                | C12-13              |
| Pharynx unspecified          | 1         | 0.1       | 0.4                      | <b>0.4</b>   | 0.05                | 0.05                | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.00   | 0.00                | C14                 |
| Oesophagus                   | 7         | 0.9       | 2.5                      | <b>2.4</b>   | 0.15                | 0.37                | 4         | 0.6       | 1.4                      | <b>1.1</b>   | 0.06   | 0.12                | C15                 |
| Stomach                      | 13        | 1.6       | 4.6                      | <b>5.1</b>   | 0.23                | 0.60                | 10        | 1.5       | 3.5                      | <b>2.5</b>   | 0.14   | 0.31                | C16                 |
| Small intestine              | 3         | 0.4       | 1.1                      | <b>1.2</b>   | 0.02                | 0.21                | 4         | 0.6       | 1.4                      | <b>1.3</b>   | 0.05   | 0.20                | C17                 |
| Colon                        | 45        | 5.5       | 15.9                     | <b>15.6</b>  | 0.95                | 1.92                | 39        | 5.9       | 13.5                     | <b>10.7</b>  | 0.51   | 1.34                | C18                 |
| Rectum                       | 24        | 2.9       | 8.5                      | <b>8.6</b>   | 0.56                | 1.15                | 17        | 2.6       | 5.9                      | <b>4.9</b>   | 0.26   | 0.55                | C19-20              |
| Anus                         | 3         | 0.4       | 1.1                      | <b>1.0</b>   | 0.06                | 0.06                | 2         | 0.3       | 0.7                      | <b>0.6</b>   | 0.05   | 0.05                | C21                 |
| Liver                        | 17        | 2.1       | 6.0                      | <b>5.8</b>   | 0.47                | 0.70                | 6         | 0.9       | 2.1                      | <b>1.7</b>   | 0.06   | 0.18                | C22                 |
| Gallbladder etc.             | 5         | 0.6       | 1.8                      | <b>2.3</b>   | 0.00                | 0.53                | 4         | 0.6       | 1.4                      | <b>0.8</b>   | 0.00   | 0.08                | C23-24              |
| Pancreas                     | 9         | 1.1       | 3.2                      | <b>3.2</b>   | 0.19                | 0.45                | 16        | 2.4       | 5.5                      | <b>4.2</b>   | 0.21   | 0.47                | C25                 |
| Nose, sinuses etc.           | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C30-31              |
| Larynx                       | 9         | 1.1       | 3.2                      | <b>3.4</b>   | 0.06                | 0.39                | 6         | 0.9       | 2.1                      | <b>1.9</b>   | 0.11   | 0.23                | C32                 |
| Trachea, bronchus and lung   | 167       | 20.4      | 59.1                     | <b>61.0</b>  | 3.44                | 8.27                | 93        | 14.0      | 32.2                     | <b>28.6</b>  | 1.54   | 3.79                | C33-34              |
| Other thoracic organs        | 1         | 0.1       | 0.4                      | <b>0.4</b>   | 0.00                | 0.07                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C37-38              |
| Bone                         | 1         | 0.1       | 0.4                      | <b>0.5</b>   | 0.00                | 0.11                | 2         | 0.3       | 0.7                      | <b>0.7</b>   | 0.05   | 0.05                | C40-41              |
| Melanoma of skin             | 5         | 0.6       | 1.8                      | <b>1.8</b>   | 0.10                | 0.21                | 8         | 1.2       | 2.8                      | <b>2.4</b>   | 0.17   | 0.23                | C43                 |
| Other skin                   | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C44                 |
| Mesothelioma                 | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.02                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C45                 |
| Kaposi sarcoma               | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.02                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 3         | 0.4       | 1.1                      | <b>0.9</b>   | 0.05                | 0.05                | 7         | 1.1       | 2.4                      | <b>2.2</b>   | 0.15   | 0.23                | C47+C49             |
| Breast                       | 1         | 0.1       | 0.4                      | <b>0.4</b>   | 0.00                | 0.00                | 203       | 30.5      | 70.3                     | <b>58.7</b>  | 4.49   | 6.89                | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 1         | 0.2       | 0.3                      | <b>0.4</b>   | 0.00   | 0.06                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 15        | 2.3       | 5.2                      | <b>4.4</b>   | 0.39   | 0.48                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 37        | 5.6       | 12.8                     | <b>10.7</b>  | 0.58   | 1.22                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 2         | 0.3       | 0.7                      | <b>0.6</b>   | 0.04   | 0.04                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 13        | 2.0       | 4.5                      | <b>3.6</b>   | 0.28   | 0.34                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C58                 |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 309       | 37.8      | 109.3                    | <b>116.3</b> | 6.05                | 16.20               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 7         | 0.9       | 2.5                      | <b>2.2</b>   | 0.16                | 0.16                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 31        | 3.8       | 11.0                     | <b>10.7</b>  | 0.76                | 1.36                | 33        | 5.0       | 11.4                     | <b>9.3</b>   | 0.55   | 0.89                | C64                 |
| Renal pelvis                 | 3         | 0.4       | 1.1                      | <b>1.1</b>   | 0.05                | 0.05                | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00   | 0.08                | C65                 |
| Ureter                       | 1         | 0.1       | 0.4                      | <b>0.4</b>   | 0.05                | 0.05                | 1         | 0.2       | 0.3                      | <b>0.4</b>   | 0.04   | 0.04                | C66                 |
| Bladder                      | 21        | 2.6       | 7.4                      | <b>8.1</b>   | 0.13                | 0.84                | 10        | 1.5       | 3.5                      | <b>2.4</b>   | 0.07   | 0.16                | C67                 |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.00   | 0.00                | C68                 |
| Eye                          | 1         | 0.1       | 0.4                      | <b>0.4</b>   | 0.05                | 0.05                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C69                 |
| Brain, nervous system        | 13        | 1.6       | 4.6                      | <b>4.4</b>   | 0.31                | 0.31                | 13        | 2.0       | 4.5                      | <b>3.5</b>   | 0.25   | 0.33                | C70-72              |
| Thyroid                      | 6         | 0.7       | 2.1                      | <b>1.7</b>   | 0.16                | 0.16                | 16        | 2.4       | 5.5                      | <b>4.8</b>   | 0.42   | 0.42                | C73                 |
| Adrenal gland                | 1         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                | 0.03                | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.03   | 0.03                | C74                 |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C75                 |
| Hodgkin lymphoma             | 5         | 0.6       | 1.8                      | <b>1.7</b>   | 0.14                | 0.14                | 7         | 1.1       | 2.4                      | <b>2.2</b>   | 0.15   | 0.23                | C81                 |
| Non-Hodgkin lymphoma         | 18        | 2.2       | 6.4                      | <b>6.2</b>   | 0.36                | 0.76                | 22        | 3.3       | 7.6                      | <b>6.2</b>   | 0.56   | 0.68                | C82-85,C96          |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C88                 |
| Multiple myeloma             | 8         | 1.0       | 2.8                      | <b>2.7</b>   | 0.13                | 0.35                | 8         | 1.2       | 2.8                      | <b>2.4</b>   | 0.20   | 0.37                | C90                 |
| Lymphoid leukaemia           | 6         | 0.7       | 2.1                      | <b>2.5</b>   | 0.11                | 0.18                | 2         | 0.3       | 0.7                      | <b>0.5</b>   | 0.06   | 0.06                | C91                 |
| Myeloid leukaemia            | 13        | 1.6       | 4.6                      | <b>4.5</b>   | 0.28                | 0.47                | 7         | 1.1       | 2.4                      | <b>2.1</b>   | 0.10   | 0.24                | C92-94              |
| Leukaemia unspecified        | 2         | 0.2       | 0.7                      | <b>0.8</b>   | 0.00                | 0.11                | 2         | 0.3       | 0.7                      | <b>0.5</b>   | 0.00   | 0.08                | C95                 |
| Myeloproliferative disorders | 13        | 1.6       | 4.6                      | <b>4.4</b>   | 0.30                | 0.41                | 11        | 1.7       | 3.8                      | <b>3.2</b>   | 0.18   | 0.39                | MPD                 |
| Myelodysplastic syndromes    | 9         | 1.1       | 3.2                      | <b>3.4</b>   | 0.06                | 0.36                | 16        | 2.4       | 5.5                      | <b>4.4</b>   | 0.20   | 0.55                | MDS                 |
| Other and unspecified        | 16        | 2.0       | 5.7                      | <b>5.5</b>   | 0.41                | 0.71                | 13        | 2.0       | 4.5                      | <b>3.4</b>   | 0.20   | 0.36                | O&U                 |
| All sites                    | 818       |           | 289.4                    | <b>298.1</b> | 16.46               | 38.61               | 666       |           | 230.7                    | <b>191.8</b> | 12.44  | 22.13               | C00-96              |
| All sites except C44         | 818       | 100.0     | 289.4                    | <b>298.1</b> | 16.46               | 38.61               | 666       | 100.0     | 230.7                    | <b>191.8</b> | 12.44  | 22.13               | C00-96 exc. C44     |

## USA, North Carolina: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 3         | 0.8       | 0.7                      | <b>0.9</b>   | 0.05                | 0.15                | 2         | 0.3       | 0.5                      | <b>0.4</b>   | 0.05                | 0.05                | C01-02          |
| Mouth                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C03-06          |
| Salivary glands              | 1         | 0.3       | 0.2                      | <b>0.4</b>   | 0.05                | 0.05                | 2         | 0.3       | 0.5                      | <b>0.6</b>   | 0.03                | 0.08                | C07-08          |
| Tonsil                       | 1         | 0.3       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 1         | 0.2       | 0.2                      | <b>0.2</b>   | 0.03                | 0.03                | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 10        | 2.5       | 2.4                      | <b>2.2</b>   | 0.16                | 0.22                | 3         | 0.5       | 0.7                      | <b>0.6</b>   | 0.03                | 0.10                | C11             |
| Hypopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 1         | 0.3       | 0.2                      | <b>0.4</b>   | 0.05                | 0.05                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 2         | 0.5       | 0.5                      | <b>0.8</b>   | 0.05                | 0.15                | 1         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                | 0.06                | C15             |
| Stomach                      | 15        | 3.8       | 3.6                      | <b>4.6</b>   | 0.25                | 0.52                | 14        | 2.4       | 3.2                      | <b>3.4</b>   | 0.20                | 0.39                | C16             |
| Small intestine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C17             |
| Colon                        | 19        | 4.8       | 4.5                      | <b>6.5</b>   | 0.12                | 0.89                | 34        | 5.8       | 7.7                      | <b>8.8</b>   | 0.35                | 1.09                | C18             |
| Rectum                       | 14        | 3.5       | 3.3                      | <b>4.5</b>   | 0.27                | 0.50                | 16        | 2.7       | 3.6                      | <b>3.6</b>   | 0.17                | 0.41                | C19-20          |
| Anus                         | 1         | 0.3       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 2         | 0.3       | 0.5                      | <b>0.5</b>   | 0.00                | 0.08                | C21             |
| Liver                        | 41        | 10.4      | 9.7                      | <b>13.3</b>  | 0.66                | 1.83                | 25        | 4.3       | 5.7                      | <b>6.7</b>   | 0.21                | 0.73                | C22             |
| Gallbladder etc.             | 8         | 2.0       | 1.9                      | <b>3.0</b>   | 0.05                | 0.25                | 9         | 1.5       | 2.0                      | <b>2.5</b>   | 0.11                | 0.48                | C23-24          |
| Pancreas                     | 7         | 1.8       | 1.7                      | <b>2.5</b>   | 0.09                | 0.43                | 6         | 1.0       | 1.4                      | <b>1.7</b>   | 0.05                | 0.25                | C25             |
| Nose, sinuses etc.           | 2         | 0.5       | 0.5                      | <b>0.8</b>   | 0.00                | 0.10                | 2         | 0.3       | 0.5                      | <b>0.5</b>   | 0.01                | 0.07                | C30-31          |
| Larynx                       | 3         | 0.8       | 0.7                      | <b>1.1</b>   | 0.05                | 0.11                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C32             |
| Trachea, bronchus and lung   | 51        | 12.9      | 12.1                     | <b>17.1</b>  | 0.88                | 2.01                | 53        | 9.1       | 12.0                     | <b>13.8</b>  | 0.67                | 1.50                | C33-34          |
| Other thoracic organs        | 4         | 1.0       | 0.9                      | <b>1.0</b>   | 0.04                | 0.14                | 2         | 0.3       | 0.5                      | <b>0.6</b>   | 0.06                | 0.06                | C37-38          |
| Bone                         | 4         | 1.0       | 0.9                      | <b>1.1</b>   | 0.04                | 0.11                | 2         | 0.3       | 0.5                      | <b>0.6</b>   | 0.03                | 0.03                | C40-41          |
| Melanoma of skin             | 5         | 1.3       | 1.2                      | <b>1.2</b>   | 0.08                | 0.08                | 3         | 0.5       | 0.7                      | <b>0.6</b>   | 0.07                | 0.07                | C43             |
| Other skin                   | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C45             |
| Kaposi sarcoma               | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 3         | 0.8       | 0.7                      | <b>0.9</b>   | 0.08                | 0.08                | 5         | 0.9       | 1.1                      | <b>1.2</b>   | 0.07                | 0.07                | C47+C49         |
| Breast                       | 2         | 0.5       | 0.5                      | <b>0.7</b>   | 0.02                | 0.13                | 171       | 29.3      | 38.8                     | <b>38.4</b>  | 2.66                | 4.21                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 2         | 0.3       | 0.5                      | <b>0.4</b>   | 0.04                | 0.04                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 1         | 0.2       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 30        | 5.1       | 6.8                      | <b>6.5</b>   | 0.49                | 0.66                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 37        | 6.3       | 8.4                      | <b>8.9</b>   | 0.63                | 1.05                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 2         | 0.3       | 0.5                      | <b>0.4</b>   | 0.04                | 0.04                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 19        | 3.3       | 4.3                      | <b>4.2</b>   | 0.32                | 0.44                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 2         | 0.3       | 0.5                      | <b>0.4</b>   | 0.02                | 0.02                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 2         | 0.3       | 0.5                      | <b>0.4</b>   | 0.03                | 0.03                | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 81        | 20.5      | 19.2                     | <b>28.8</b>  | 0.98                | 4.33                |           |           |                          |              |                     |                     | C61             |
| Testis                       | 4         | 1.0       | 0.9                      | <b>0.6</b>   | 0.05                | 0.05                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 14        | 3.5       | 3.3                      | <b>3.8</b>   | 0.23                | 0.37                | 11        | 1.9       | 2.5                      | <b>2.4</b>   | 0.15                | 0.21                | C64             |
| Renal pelvis                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.2       | 0.2                      | <b>0.2</b>   | 0.00                | 0.00                | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C66             |
| Bladder                      | 18        | 4.6       | 4.3                      | <b>6.0</b>   | 0.21                | 0.72                | 7         | 1.2       | 1.6                      | <b>1.9</b>   | 0.07                | 0.30                | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C68             |
| Eye                          | 2         | 0.5       | 0.5                      | <b>0.5</b>   | 0.03                | 0.03                | 3         | 0.5       | 0.7                      | <b>0.8</b>   | 0.06                | 0.06                | C69             |
| Brain, nervous system        | 10        | 2.5       | 2.4                      | <b>2.3</b>   | 0.15                | 0.15                | 11        | 1.9       | 2.5                      | <b>2.7</b>   | 0.18                | 0.23                | C70-72          |
| Thyroid                      | 4         | 1.0       | 0.9                      | <b>0.8</b>   | 0.04                | 0.04                | 51        | 8.7       | 11.6                     | <b>10.2</b>  | 0.91                | 0.97                | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 3         | 0.8       | 0.7                      | <b>0.7</b>   | 0.04                | 0.04                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C81             |
| Non-Hodgkin lymphoma         | 23        | 5.8       | 5.5                      | <b>6.5</b>   | 0.37                | 0.67                | 24        | 4.1       | 5.4                      | <b>5.9</b>   | 0.37                | 0.64                | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C88             |
| Multiple myeloma             | 3         | 0.8       | 0.7                      | <b>1.0</b>   | 0.03                | 0.03                | 4         | 0.7       | 0.9                      | <b>0.8</b>   | 0.05                | 0.05                | C90             |
| Lymphoid leukaemia           | 12        | 3.0       | 2.8                      | <b>3.2</b>   | 0.17                | 0.17                | 2         | 0.3       | 0.5                      | <b>0.5</b>   | 0.04                | 0.04                | C91             |
| Myeloid leukaemia            | 12        | 3.0       | 2.8                      | <b>3.1</b>   | 0.23                | 0.40                | 8         | 1.4       | 1.8                      | <b>1.6</b>   | 0.09                | 0.17                | C92-94          |
| Leukaemia unspecified        | 1         | 0.3       | 0.2                      | <b>0.5</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C95             |
| Myeloproliferative disorders | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 3         | 0.5       | 0.7                      | <b>0.8</b>   | 0.02                | 0.09                | MPD             |
| Myelodysplastic syndromes    | 2         | 0.5       | 0.5                      | <b>0.5</b>   | 0.01                | 0.01                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | MDS             |
| Other and unspecified        | 9         | 2.3       | 2.1                      | <b>3.1</b>   | 0.11                | 0.17                | 11        | 1.9       | 2.5                      | <b>2.8</b>   | 0.15                | 0.28                | O&U             |
| All sites                    | 395       |           | 93.8                     | <b>124.7</b> | 5.68                | 15.02               | 585       |           | 132.7                    | <b>137.2</b> | 8.45                | 15.13               | C00-96          |
| All sites except C44         | 395       | 100.0     | 93.8                     | <b>124.7</b> | 5.68                | 15.02               | 584       | 100.0     | 132.5                    | <b>137.0</b> | 8.44                | 15.12               | C00-96 exc. C44 |

## USA, North Carolina: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 170       | 0.8       | 3.8                      | <b>3.6</b>   | 0.28                     | 0.43      | 46        | 0.3                      | 0.9       | <b>0.7</b>               | 0.04   | 0.08  | C01-02          |
| Mouth                        | 172       | 0.8       | 3.8                      | <b>3.7</b>   | 0.29                     | 0.45      | 79        | 0.4                      | 1.6       | <b>1.3</b>               | 0.10   | 0.16  | C03-06          |
| Salivary glands              | 36        | 0.2       | 0.8                      | <b>0.7</b>   | 0.06                     | 0.07      | 42        | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 140       | 0.7       | 3.1                      | <b>2.8</b>   | 0.23                     | 0.33      | 22        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C09             |
| Other oropharynx             | 68        | 0.3       | 1.5                      | <b>1.4</b>   | 0.10                     | 0.18      | 12        | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.03  | C10             |
| Nasopharynx                  | 43        | 0.2       | 1.0                      | <b>0.8</b>   | 0.07                     | 0.08      | 19        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 117       | 0.6       | 2.6                      | <b>2.5</b>   | 0.21                     | 0.32      | 15        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 28        | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 362       | 1.7       | 8.0                      | <b>7.8</b>   | 0.55                     | 0.99      | 123       | 0.7                      | 2.4       | <b>1.9</b>               | 0.11   | 0.24  | C15             |
| Stomach                      | 476       | 2.3       | 10.6                     | <b>10.0</b>  | 0.52                     | 1.19      | 344       | 1.9                      | 6.8       | <b>4.4</b>               | 0.21   | 0.47  | C16             |
| Small intestine              | 108       | 0.5       | 2.4                      | <b>2.3</b>   | 0.14                     | 0.25      | 127       | 0.7                      | 2.5       | <b>2.0</b>               | 0.13   | 0.25  | C17             |
| Colon                        | 1519      | 7.3       | 33.7                     | <b>32.3</b>  | 1.82                     | 3.88      | 1773      | 9.9                      | 34.9      | <b>25.6</b>              | 1.44   | 3.09  | C18             |
| Rectum                       | 562       | 2.7       | 12.5                     | <b>12.0</b>  | 0.73                     | 1.50      | 502       | 2.8                      | 9.9       | <b>7.6</b>               | 0.49   | 0.88  | C19-20          |
| Anus                         | 55        | 0.3       | 1.2                      | <b>1.1</b>   | 0.08                     | 0.11      | 67        | 0.4                      | 1.3       | <b>1.1</b>               | 0.07   | 0.12  | C21             |
| Liver                        | 343       | 1.6       | 7.6                      | <b>7.1</b>   | 0.60                     | 0.82      | 135       | 0.8                      | 2.7       | <b>2.0</b>               | 0.14   | 0.22  | C22             |
| Gallbladder etc.             | 89        | 0.4       | 2.0                      | <b>2.0</b>   | 0.09                     | 0.25      | 123       | 0.7                      | 2.4       | <b>1.7</b>               | 0.08   | 0.22  | C23-24          |
| Pancreas                     | 535       | 2.6       | 11.9                     | <b>11.3</b>  | 0.60                     | 1.37      | 640       | 3.6                      | 12.6      | <b>8.5</b>               | 0.41   | 0.94  | C25             |
| Nose, sinuses etc.           | 36        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.08      | 23        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.02  | C30-31          |
| Larynx                       | 442       | 2.1       | 9.8                      | <b>9.5</b>   | 0.63                     | 1.16      | 94        | 0.5                      | 1.8       | <b>1.5</b>               | 0.09   | 0.19  | C32             |
| Trachea, bronchus and lung   | 3461      | 16.5      | 76.8                     | <b>74.8</b>  | 4.13                     | 9.29      | 2044      | 11.4                     | 40.2      | <b>31.0</b>              | 1.81   | 3.89  | C33-34          |
| Other thoracic organs        | 25        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.06      | 19        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 26        | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.05      | 49        | 0.3                      | 1.0       | <b>1.0</b>               | 0.07   | 0.08  | C40-41          |
| Melanoma of skin             | 31        | 0.1       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.06      | 38        | 0.2                      | 0.7       | <b>0.5</b>               | 0.02   | 0.07  | C43             |
| Other skin                   | 45        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.09      | 49        | 0.2                      | 1.0       | <b>0.8</b>               | 0.06   | 0.07  | C44             |
| Mesothelioma                 | 27        | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.06      | 13        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 44        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.08      | 11        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C46             |
| Connective and soft tissue   | 116       | 0.6       | 2.6                      | <b>2.5</b>   | 0.16                     | 0.22      | 150       | 0.8                      | 3.0       | <b>2.4</b>               | 0.17   | 0.26  | C47+C49         |
| Breast                       | 60        | 0.3       | 1.3                      | <b>1.3</b>   | 0.07                     | 0.14      | 5587      | 31.2                     | 109.9     | <b>86.9</b>              | 6.25   | 9.98  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 83        | 0.5                      | 1.6       | <b>1.2</b>               | 0.10   | 0.12  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 42        | 0.2                      | 0.8       | <b>0.6</b>               | 0.03   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 464       | 2.6                      | 9.1       | <b>7.1</b>               | 0.53   | 0.72  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 885       | 4.9                      | 17.4      | <b>14.3</b>              | 0.87   | 1.85  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 77        | 0.4                      | 1.5       | <b>1.3</b>               | 0.07   | 0.16  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 428       | 2.4                      | 8.4       | <b>6.7</b>               | 0.40   | 0.78  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 19        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 31        | 0.1       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 7934      | 37.9      | 176.1                    | <b>176.5</b> | 10.09                    | 23.62     |           |                          |           |                          |        |       | C61             |
| Testis                       | 89        | 0.4       | 2.0                      | <b>1.8</b>   | 0.14                     | 0.14      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 8         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 851       | 4.1       | 18.9                     | <b>18.2</b>  | 1.24                     | 2.18      | 532       | 3.0                      | 10.5      | <b>8.4</b>               | 0.53   | 0.99  | C64             |
| Renal pelvis                 | 19        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.05      | 13        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 7         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 8         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 532       | 2.5       | 11.8                     | <b>11.2</b>  | 0.48                     | 1.31      | 289       | 1.6                      | 5.7       | <b>3.9</b>               | 0.16   | 0.47  | C67             |
| Other urinary organs         | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.02      | 17        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C68             |
| Eye                          | 10        | 0.0       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.02      | 8         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 199       | 1.0       | 4.4                      | <b>4.3</b>   | 0.28                     | 0.39      | 175       | 1.0                      | 3.4       | <b>3.0</b>               | 0.20   | 0.27  | C70-72          |
| Thyroid                      | 92        | 0.4       | 2.0                      | <b>1.9</b>   | 0.15                     | 0.20      | 495       | 2.8                      | 9.7       | <b>8.2</b>               | 0.64   | 0.81  | C73             |
| Adrenal gland                | 7         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 15        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 8         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 16        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C75             |
| Hodgkin lymphoma             | 122       | 0.6       | 2.7                      | <b>2.5</b>   | 0.18                     | 0.22      | 108       | 0.6                      | 2.1       | <b>1.9</b>               | 0.14   | 0.15  | C81             |
| Non-Hodgkin lymphoma         | 572       | 2.7       | 12.7                     | <b>12.0</b>  | 0.74                     | 1.29      | 558       | 3.1                      | 11.0      | <b>8.7</b>               | 0.54   | 0.96  | C82-85,C96      |
| Immunoproliferative diseases | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 407       | 1.9       | 9.0                      | <b>8.7</b>   | 0.45                     | 1.03      | 460       | 2.6                      | 9.0       | <b>6.7</b>               | 0.39   | 0.82  | C90             |
| Lymphoid leukaemia           | 178       | 0.9       | 4.0                      | <b>4.0</b>   | 0.19                     | 0.43      | 143       | 0.8                      | 2.8       | <b>2.3</b>               | 0.12   | 0.25  | C91             |
| Myeloid leukaemia            | 168       | 0.8       | 3.7                      | <b>3.6</b>   | 0.23                     | 0.37      | 190       | 1.1                      | 3.7       | <b>3.1</b>               | 0.19   | 0.31  | C92-94          |
| Leukaemia unspecified        | 15        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      | 24        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 79        | 0.4       | 1.8                      | <b>1.7</b>   | 0.10                     | 0.21      | 110       | 0.6                      | 2.2       | <b>1.7</b>               | 0.10   | 0.18  | MPD             |
| Myelodysplastic syndromes    | 68        | 0.3       | 1.5                      | <b>1.4</b>   | 0.05                     | 0.16      | 92        | 0.5                      | 1.8       | <b>1.2</b>               | 0.04   | 0.14  | MDS             |
| Other and unspecified        | 440       | 2.1       | 9.8                      | <b>9.4</b>   | 0.49                     | 1.07      | 538       | 3.0                      | 10.6      | <b>7.4</b>               | 0.40   | 0.79  | O&U             |
| All sites                    | 20986     |           | 465.9                    | <b>454.8</b> | 26.67                    | 56.49     | 17951     |                          | 353.1     | <b>273.4</b>             | 17.43  | 31.54 | C00-96          |
| All sites except C44         | 20941     | 100.0     | 464.9                    | <b>453.9</b> | 26.61                    | 56.41     | 17902     | 100.0                    | 352.2     | <b>272.6</b>             | 17.37  | 31.47 | C00-96 exc. C44 |

## USA, North Carolina: White (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 158       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                | 0.08                | 51        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 755       | 0.9       | 4.7                      | <b>3.3</b>   | 0.25                | 0.41                | 305       | 0.4       | 1.9                      | <b>1.1</b>   | 0.08                | 0.12                | C01-02          |
| Mouth                        | 525       | 0.6       | 3.3                      | <b>2.2</b>   | 0.14                | 0.26                | 388       | 0.5       | 2.4                      | <b>1.2</b>   | 0.06                | 0.14                | C03-06          |
| Salivary glands              | 257       | 0.3       | 1.6                      | <b>1.1</b>   | 0.05                | 0.12                | 143       | 0.2       | 0.9                      | <b>0.5</b>   | 0.04                | 0.06                | C07-08          |
| Tonsil                       | 580       | 0.7       | 3.6                      | <b>2.6</b>   | 0.22                | 0.30                | 144       | 0.2       | 0.9                      | <b>0.6</b>   | 0.05                | 0.07                | C09             |
| Other oropharynx             | 145       | 0.2       | 0.9                      | <b>0.6</b>   | 0.05                | 0.08                | 50        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | C10             |
| Nasopharynx                  | 96        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.05                | 52        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C11             |
| Hypopharynx                  | 200       | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                | 0.11                | 79        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | C12-13          |
| Pharynx unspecified          | 59        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | 27        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C14             |
| Oesophagus                   | 1311      | 1.5       | 8.1                      | <b>5.4</b>   | 0.32                | 0.66                | 356       | 0.4       | 2.2                      | <b>1.1</b>   | 0.05                | 0.14                | C15             |
| Stomach                      | 1112      | 1.3       | 6.9                      | <b>4.5</b>   | 0.21                | 0.54                | 671       | 0.8       | 4.1                      | <b>2.0</b>   | 0.09                | 0.23                | C16             |
| Small intestine              | 388       | 0.4       | 2.4                      | <b>1.6</b>   | 0.10                | 0.20                | 320       | 0.4       | 1.9                      | <b>1.1</b>   | 0.07                | 0.14                | C17             |
| Colon                        | 5939      | 6.8       | 36.9                     | <b>23.7</b>  | 1.19                | 2.79                | 5788      | 7.3       | 35.2                     | <b>17.5</b>  | 0.88                | 2.00                | C18             |
| Rectum                       | 2665      | 3.0       | 16.6                     | <b>11.2</b>  | 0.70                | 1.36                | 1918      | 2.4       | 11.7                     | <b>6.6</b>   | 0.41                | 0.75                | C19-20          |
| Anus                         | 192       | 0.2       | 1.2                      | <b>0.8</b>   | 0.06                | 0.09                | 389       | 0.5       | 2.4                      | <b>1.4</b>   | 0.10                | 0.16                | C21             |
| Liver                        | 1230      | 1.4       | 7.6                      | <b>5.3</b>   | 0.33                | 0.62                | 454       | 0.6       | 2.8                      | <b>1.5</b>   | 0.07                | 0.17                | C22             |
| Gallbladder etc.             | 368       | 0.4       | 2.3                      | <b>1.4</b>   | 0.06                | 0.16                | 442       | 0.6       | 2.7                      | <b>1.3</b>   | 0.07                | 0.16                | C23-24          |
| Pancreas                     | 1928      | 2.2       | 12.0                     | <b>7.7</b>   | 0.37                | 0.93                | 1938      | 2.4       | 11.8                     | <b>5.7</b>   | 0.26                | 0.67                | C25             |
| Nose, sinuses etc.           | 125       | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                | 115       | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                | 0.05                | C30-31          |
| Larynx                       | 1217      | 1.4       | 7.6                      | <b>5.1</b>   | 0.31                | 0.65                | 345       | 0.4       | 2.1                      | <b>1.3</b>   | 0.09                | 0.18                | C32             |
| Trachea, bronchus and lung   | 15796     | 18.0      | 98.2                     | <b>63.1</b>  | 2.86                | 8.11                | 12150     | 15.3      | 73.9                     | <b>40.4</b>  | 2.06                | 5.26                | C33-34          |
| Other thoracic organs        | 75        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | 54        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C37-38          |
| Bone                         | 199       | 0.2       | 1.2                      | <b>1.2</b>   | 0.07                | 0.10                | 147       | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                | 0.06                | C40-41          |
| Melanoma of skin             | 4491      | 5.1       | 27.9                     | <b>19.3</b>  | 1.17                | 2.19                | 3462      | 4.4       | 21.1                     | <b>15.0</b>  | 1.07                | 1.50                | C43             |
| Other skin                   | 277       | 0.3       | 1.7                      | <b>1.1</b>   | 0.05                | 0.12                | 192       | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.07                | C44             |
| Mesothelioma                 | 259       | 0.3       | 1.6                      | <b>1.0</b>   | 0.04                | 0.11                | 61        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C45             |
| Kaposi sarcoma               | 54        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 5         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 603       | 0.7       | 3.7                      | <b>2.8</b>   | 0.16                | 0.28                | 459       | 0.6       | 2.8                      | <b>1.9</b>   | 0.12                | 0.19                | C47+C49         |
| Breast                       | 217       | 0.2       | 1.3                      | <b>0.9</b>   | 0.05                | 0.10                | 23103     | 29.1      | 140.5                    | <b>87.3</b>  | 6.14                | 10.17               | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 461       | 0.6       | 2.8                      | <b>1.6</b>   | 0.11                | 0.17                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 129       | 0.2       | 0.8                      | <b>0.4</b>   | 0.02                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 1293      | 1.6       | 7.9                      | <b>6.0</b>   | 0.49                | 0.57                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 4004      | 5.0       | 24.4                     | <b>15.3</b>  | 1.11                | 1.84                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 132       | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.05                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 2523      | 3.2       | 15.3                     | <b>9.3</b>   | 0.59                | 1.07                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 114       | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 10        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 118       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 22981     | 26.2      | 142.9                    | <b>96.5</b>  | 5.07                | 13.25               |           |           |                          |              |                     |                     | C61             |
| Testis                       | 945       | 1.1       | 5.9                      | <b>5.5</b>   | 0.40                | 0.42                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 23        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 3434      | 3.9       | 21.3                     | <b>14.7</b>  | 0.89                | 1.81                | 1886      | 2.4       | 11.5                     | <b>7.0</b>   | 0.44                | 0.81                | C64             |
| Renal pelvis                 | 174       | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                | 0.08                | 141       | 0.2       | 0.9                      | <b>0.4</b>   | 0.02                | 0.04                | C65             |
| Ureter                       | 130       | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                | 0.06                | 96        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 5938      | 6.8       | 36.9                     | <b>22.9</b>  | 0.94                | 2.72                | 1935      | 2.4       | 11.8                     | <b>5.8</b>   | 0.28                | 0.69                | C67             |
| Other urinary organs         | 37        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | 25        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 215       | 0.2       | 1.3                      | <b>1.0</b>   | 0.06                | 0.11                | 165       | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                | 0.07                | C69             |
| Brain, nervous system        | 1388      | 1.6       | 8.6                      | <b>7.1</b>   | 0.44                | 0.69                | 1152      | 1.5       | 7.0                      | <b>5.3</b>   | 0.33                | 0.49                | C70-72          |
| Thyroid                      | 840       | 1.0       | 5.2                      | <b>3.9</b>   | 0.29                | 0.43                | 2546      | 3.2       | 15.5                     | <b>12.3</b>  | 0.94                | 1.17                | C73             |
| Adrenal gland                | 52        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.03                | 49        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 22        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 20        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 478       | 0.5       | 3.0                      | <b>2.6</b>   | 0.18                | 0.21                | 401       | 0.5       | 2.4                      | <b>2.2</b>   | 0.15                | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 3641      | 4.2       | 22.6                     | <b>15.4</b>  | 0.86                | 1.75                | 3211      | 4.0       | 19.5                     | <b>10.9</b>  | 0.61                | 1.25                | C82-85,C96      |
| Immunoproliferative diseases | 52        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 34        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C88             |
| Multiple myeloma             | 1020      | 1.2       | 6.3                      | <b>4.1</b>   | 0.19                | 0.49                | 847       | 1.1       | 5.2                      | <b>2.6</b>   | 0.13                | 0.33                | C90             |
| Lymphoid leukaemia           | 1224      | 1.4       | 7.6                      | <b>5.8</b>   | 0.30                | 0.56                | 855       | 1.1       | 5.2                      | <b>3.5</b>   | 0.17                | 0.32                | C91             |
| Myeloid leukaemia            | 1093      | 1.2       | 6.8                      | <b>4.7</b>   | 0.23                | 0.50                | 882       | 1.1       | 5.4                      | <b>3.4</b>   | 0.19                | 0.34                | C92-94          |
| Leukaemia unspecified        | 84        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 85        | 0.1       | 0.5                      | <b>0.2</b>   | 0.00                | 0.02                | C95             |
| Myeloproliferative disorders | 375       | 0.4       | 2.3                      | <b>1.6</b>   | 0.09                | 0.18                | 389       | 0.5       | 2.4                      | <b>1.3</b>   | 0.07                | 0.14                | MPD             |
| Myelodysplastic syndromes    | 584       | 0.7       | 3.6                      | <b>2.1</b>   | 0.06                | 0.23                | 396       | 0.5       | 2.4                      | <b>1.1</b>   | 0.03                | 0.11                | MDS             |
| Other and unspecified        | 1917      | 2.2       | 11.9                     | <b>7.6</b>   | 0.35                | 0.83                | 2141      | 2.7       | 13.0                     | <b>6.0</b>   | 0.28                | 0.64                | O&U             |
| All sites                    | 87986     |           | 547.0                    | <b>367.6</b> | 19.46               | 45.06               | 79530     |           | 483.7                    | <b>288.0</b> | 18.02               | 32.93               | C00-96          |
| All sites except C44         | 87709     | 100.0     | 545.2                    | <b>366.5</b> | 19.41               | 44.94               | 79338     | 100.0     | 482.6                    | <b>287.3</b> | 17.98               | 32.86               | C00-96 exc. C44 |

# USA, North Dakota

## REGISTRATION AREA

The North Dakota Statewide Cancer Registry (NDSCR) covers the population of the state of North Dakota in the USA. The state is mainly rural, with an estimated population of 700 000 in 2012. The population is 90% White, 5.5% American Indian, and 4.5% of other races.

## CANCER CARE FACILITIES

All health care facilities, health care providers, and laboratories (including pathology departments) that provide outpatient or inpatient services to diagnose and/or treat cancer patients in North Dakota must report to the NDSCR. Approximately 93% of the registry's incident cases are obtained from the six major reporting facilities' cancer registry programmes. The rest of the data are obtained through out-of-state data-sharing agreements, death clearance processes, individual physicians' offices, clinics, etc.

## REGISTRY STRUCTURE AND METHODS

The NDSCR is a statewide population-based cancer registry located at the University of North Dakota School of Medicine and Health Sciences (UND SMHS) Department of Pathology. The UND SMHS is the bona fide operating agent of the NDSCR. The registry is authorized by law to collect cancer data for the purpose of preventing and controlling the disease, and to conduct public health surveillance, public health investigations, and interventions. The NDSCR was established in 1994, and incidence and mortality data collection officially began in January 1997 through administrative ruling. All in situ cancers, malignant cancers, and benign cancers of the central nervous system are reportable, with the exception of basal and squamous cell skin cancers. Federal and state laws protect the confidentiality of the medical information received. To assure accurate, complete, and reliable data, various edit metafiles are used in addition to visual review, external audits, and internal case-finding and re-abstracting audits. When data are released for publication, cells containing fewer than 5 cases are suppressed for confidentiality.

## INTERPRETING THE RESULTS

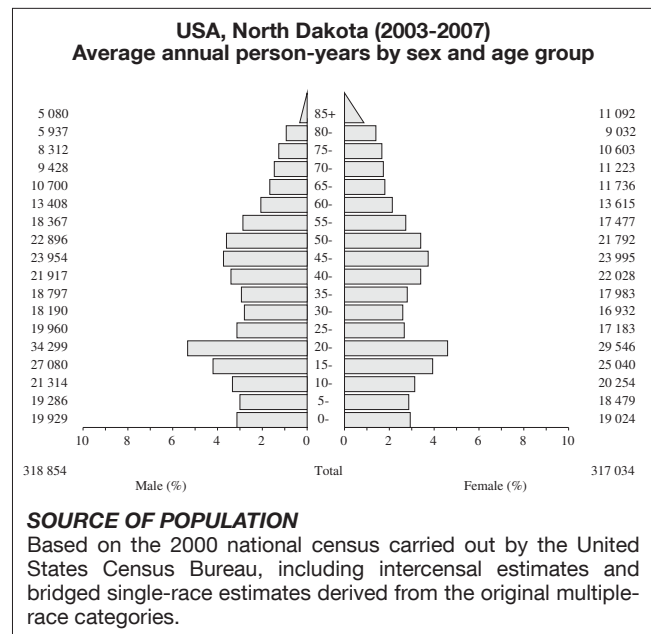
NDSCR data on incidence numbers/rates, stage, treatment, etc. are analysed to help determine where additional screening measures should be implemented.

## USE OF THE DATA

The North Dakota Comprehensive Cancer Program is a major user of registry data, in the programme's cancer burden document. Registry data are also used to fulfil data requests (both public and private), address cancer cluster concerns, perform research analysis, and publish an electronic annual report.

## CONTRIBUTORS

Mary Ann Foss  
Marlys Knell



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 114.5 | Breast                     | 88.3  |
| Trachea, bronchus and lung | 46.3  | Trachea, bronchus and lung | 34.1  |
| Colon                      | 27.5  | Colon                      | 18.8  |
| Bladder                    | 24.1  | Corpus uteri               | 18.6  |
| Non-Hodgkin lymphoma       | 15.4  | Melanoma of skin           | 12.7  |
| Rectum                     | 14.1  | Thyroid                    | 12.5  |
| Kidney                     | 12.9  | Non-Hodgkin lymphoma       | 11.3  |
| Melanoma of skin           | 12.0  | Ovary                      | 9.6   |
| Pancreas                   | 8.0   | Rectum                     | 7.6   |
| Lymphoid leukaemia         | 7.9   | Kidney                     | 7.2   |
| All sites                  | 366.4 | All sites                  | 289.6 |

## USA, North Dakota (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 89        | 1.0       | 5.6                      | 3.2       | 0.11                     | 0.36      | 13        | 0.2                      | 0.8       | 0.5                      | 0.04   | 0.06  | C00             |
| Tongue                       | 53        | 0.6       | 3.3                      | 2.4       | 0.20                     | 0.27      | 23        | 0.3                      | 1.5       | 1.0                      | 0.08   | 0.12  | C01-02          |
| Mouth                        | 41        | 0.5       | 2.6                      | 1.6       | 0.10                     | 0.20      | 27        | 0.3                      | 1.7       | 1.0                      | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 17        | 0.2       | 1.1                      | 0.5       | 0.02                     | 0.05      | 14        | 0.2                      | 0.9       | 0.6                      | 0.03   | 0.06  | C07-08          |
| Tonsil                       | 32        | 0.4       | 2.0                      | 1.6       | 0.13                     | 0.18      | 9         | 0.1                      | 0.6       | 0.5                      | 0.04   | 0.05  | C09             |
| Other oropharynx             | 3         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      | 2         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 8         | 0.1       | 0.5                      | 0.4       | 0.02                     | 0.05      | 3         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 5         | 0.1       | 0.3                      | 0.3       | 0.03                     | 0.04      | 2         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 6         | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.03      | 2         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.02  | C14             |
| Oesophagus                   | 130       | 1.4       | 8.2                      | 5.1       | 0.31                     | 0.59      | 37        | 0.5                      | 2.3       | 1.4                      | 0.09   | 0.21  | C15             |
| Stomach                      | 119       | 1.3       | 7.5                      | 4.7       | 0.23                     | 0.57      | 96        | 1.2                      | 6.1       | 2.8                      | 0.12   | 0.32  | C16             |
| Small intestine              | 40        | 0.4       | 2.5                      | 1.6       | 0.09                     | 0.17      | 28        | 0.4                      | 1.8       | 1.1                      | 0.07   | 0.15  | C17             |
| Colon                        | 741       | 8.2       | 46.5                     | 27.5      | 1.21                     | 3.31      | 672       | 8.7                      | 42.4      | 18.8                     | 0.93   | 2.16  | C18             |
| Rectum                       | 353       | 3.9       | 22.1                     | 14.1      | 0.76                     | 1.74      | 221       | 2.9                      | 13.9      | 7.6                      | 0.43   | 0.90  | C19-20          |
| Anus                         | 6         | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.03      | 18        | 0.2                      | 1.1       | 0.6                      | 0.05   | 0.07  | C21             |
| Liver                        | 91        | 1.0       | 5.7                      | 3.9       | 0.26                     | 0.45      | 50        | 0.6                      | 3.2       | 1.4                      | 0.06   | 0.17  | C22             |
| Gallbladder etc.             | 34        | 0.4       | 2.1                      | 1.3       | 0.07                     | 0.15      | 56        | 0.7                      | 3.5       | 1.5                      | 0.04   | 0.20  | C23-24          |
| Pancreas                     | 210       | 2.3       | 13.2                     | 8.0       | 0.36                     | 0.94      | 209       | 2.7                      | 13.2      | 5.6                      | 0.22   | 0.65  | C25             |
| Nose, sinuses etc.           | 11        | 0.1       | 0.7                      | 0.5       | 0.02                     | 0.06      | 9         | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.04  | C30-31          |
| Larynx                       | 96        | 1.1       | 6.0                      | 3.9       | 0.24                     | 0.46      | 23        | 0.3                      | 1.5       | 1.0                      | 0.09   | 0.13  | C32             |
| Trachea, bronchus and lung   | 1190      | 13.2      | 74.6                     | 46.3      | 1.86                     | 6.25      | 931       | 12.0                     | 58.7      | 34.1                     | 1.79   | 4.73  | C33-34          |
| Other thoracic organs        | 9         | 0.1       | 0.6                      | 0.5       | 0.03                     | 0.04      | 4         | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 19        | 0.2       | 1.2                      | 1.1       | 0.09                     | 0.10      | 18        | 0.2                      | 1.1       | 0.9                      | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 267       | 3.0       | 16.7                     | 12.0      | 0.82                     | 1.28      | 262       | 3.4                      | 16.5      | 12.7                     | 0.93   | 1.14  | C43             |
| Other skin                   | 23        | 0.3       | 1.4                      | 0.8       | 0.04                     | 0.06      | 22        | 0.3                      | 1.4       | 0.7                      | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 32        | 0.4       | 2.0                      | 1.0       | 0.03                     | 0.09      | 11        | 0.1                      | 0.7       | 0.3                      | 0.01   | 0.05  | C45             |
| Kaposi sarcoma               | 0         | 0.0       | 0.0                      | 0.0       | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 74        | 0.8       | 4.6                      | 3.4       | 0.18                     | 0.34      | 48        | 0.6                      | 3.0       | 2.0                      | 0.12   | 0.22  | C47+C49         |
| Breast                       | 17        | 0.2       | 1.1                      | 0.7       | 0.04                     | 0.08      | 2234      | 28.8                     | 140.9     | 88.3                     | 5.94   | 10.48 | C50             |
| Vulva                        |           |           |                          |           |                          |           | 50        | 0.6                      | 3.2       | 1.5                      | 0.07   | 0.14  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 8         | 0.1                      | 0.5       | 0.2                      | 0.01   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 82        | 1.1                      | 5.2       | 4.2                      | 0.34   | 0.42  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 468       | 6.0                      | 29.5      | 18.6                     | 1.40   | 2.18  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 20        | 0.3                      | 1.3       | 0.8                      | 0.07   | 0.08  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 250       | 3.2                      | 15.8      | 9.6                      | 0.67   | 1.06  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 7         | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.02  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C58             |
| Penis                        | 11        | 0.1       | 0.7                      | 0.3       | 0.00                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 2733      | 30.4      | 171.4                    | 114.5     | 5.73                     | 15.75     |           |                          |           |                          |        |       | C61             |
| Testis                       | 94        | 1.0       | 5.9                      | 5.7       | 0.42                     | 0.44      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 302       | 3.4       | 18.9                     | 12.9      | 0.71                     | 1.59      | 194       | 2.5                      | 12.2      | 7.2                      | 0.46   | 0.88  | C64             |
| Renal pelvis                 | 12        | 0.1       | 0.8                      | 0.5       | 0.03                     | 0.07      | 10        | 0.1                      | 0.6       | 0.3                      | 0.01   | 0.03  | C65             |
| Ureter                       | 14        | 0.2       | 0.9                      | 0.4       | 0.01                     | 0.04      | 7         | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C66             |
| Bladder                      | 663       | 7.4       | 41.6                     | 24.1      | 1.07                     | 2.75      | 213       | 2.7                      | 13.4      | 6.6                      | 0.30   | 0.84  | C67             |
| Other urinary organs         | 4         | 0.0       | 0.3                      | 0.2       | 0.01                     | 0.02      | 0         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C68             |
| Eye                          | 11        | 0.1       | 0.7                      | 0.5       | 0.03                     | 0.07      | 8         | 0.1                      | 0.5       | 0.4                      | 0.02   | 0.03  | C69             |
| Brain, nervous system        | 122       | 1.4       | 7.7                      | 6.7       | 0.44                     | 0.62      | 103       | 1.3                      | 6.5       | 4.9                      | 0.30   | 0.44  | C70-72          |
| Thyroid                      | 90        | 1.0       | 5.6                      | 4.3       | 0.31                     | 0.47      | 242       | 3.1                      | 15.3      | 12.5                     | 0.96   | 1.21  | C73             |
| Adrenal gland                | 3         | 0.0       | 0.2                      | 0.3       | 0.01                     | 0.01      | 1         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C74             |
| Other endocrine              | 2         | 0.0       | 0.1                      | 0.2       | 0.01                     | 0.01      | 2         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 43        | 0.5       | 2.7                      | 2.5       | 0.18                     | 0.19      | 36        | 0.5                      | 2.3       | 2.3                      | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 379       | 4.2       | 23.8                     | 15.4      | 0.81                     | 1.69      | 327       | 4.2                      | 20.6      | 11.3                     | 0.61   | 1.28  | C82-85,C96      |
| Immunoproliferative diseases | 10        | 0.1       | 0.6                      | 0.3       | 0.02                     | 0.03      | 8         | 0.1                      | 0.5       | 0.2                      | 0.00   | 0.02  | C88             |
| Multiple myeloma             | 112       | 1.2       | 7.0                      | 4.4       | 0.21                     | 0.53      | 98        | 1.3                      | 6.2       | 3.2                      | 0.14   | 0.40  | C90             |
| Lymphoid leukaemia           | 187       | 2.1       | 11.7                     | 7.9       | 0.42                     | 0.76      | 144       | 1.9                      | 9.1       | 5.9                      | 0.31   | 0.61  | C91             |
| Myeloid leukaemia            | 116       | 1.3       | 7.3                      | 4.5       | 0.24                     | 0.41      | 84        | 1.1                      | 5.3       | 3.2                      | 0.19   | 0.36  | C92-94          |
| Leukaemia unspecified        | 3         | 0.0       | 0.2                      | 0.2       | 0.02                     | 0.02      | 3         | 0.0                      | 0.2       | 0.1                      | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 83        | 0.9       | 5.2                      | 3.3       | 0.18                     | 0.40      | 81        | 1.0                      | 5.1       | 2.9                      | 0.14   | 0.35  | MPD             |
| Myelodysplastic syndromes    | 137       | 1.5       | 8.6                      | 4.4       | 0.13                     | 0.41      | 71        | 0.9                      | 4.5       | 2.0                      | 0.08   | 0.25  | MDS             |
| Other and unspecified        | 157       | 1.7       | 9.8                      | 5.8       | 0.28                     | 0.66      | 213       | 2.7                      | 13.4      | 5.9                      | 0.33   | 0.63  | O&U             |
| All sites                    | 9007      |           | 565.0                    | 366.4     | 18.58                    | 44.93     | 7774      |                          | 490.4     | 289.6                    | 17.85  | 33.70 | C00-96          |
| All sites except C44         | 8984      | 100.0     | 563.5                    | 365.6     | 18.54                    | 44.87     | 7752      | 100.0                    | 489.0     | 288.9                    | 17.81  | 33.64 | C00-96 exc. C44 |

# USA, Ohio

## REGISTRATION AREA

The Ohio Cancer Incidence Surveillance System (OCISS) at the Ohio Department of Health (ODH) collects and analyses cancer incidence data pertaining to all residents of the state of Ohio in the USA. Information about Ohio is available from <http://development.ohio.gov/files/research/C1001.pdf>.

## CANCER CARE FACILITIES

The OCISS collects cancer reports from hospitals, physicians' offices, laboratories, and outpatient ambulatory and radiation therapy centres.

## REGISTRY STRUCTURE AND METHODS

The OCISS collects information on incident cases of cancer. The data collected include patient demographics and information on cancer diagnosis, staging, and first course of treatment.

## INTERPRETING THE RESULTS

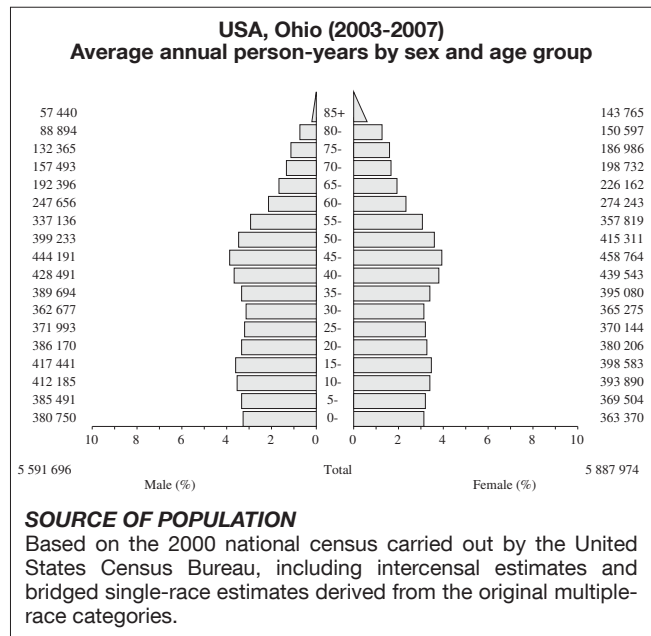
Together with a variety of partners inside and outside the ODH, the OCISS works to reduce the burden of cancer. Information about the cancer programmes administered by the ODH is available from the department's website (<http://www.healthy.ohio.gov/cancer/cancprgms.aspx>).

## USE OF THE DATA

OCISS publications are available from the ODH website (<http://www.healthy.ohio.gov/cancer/ocisshs/newrpts1.aspx>).

## CONTRIBUTORS

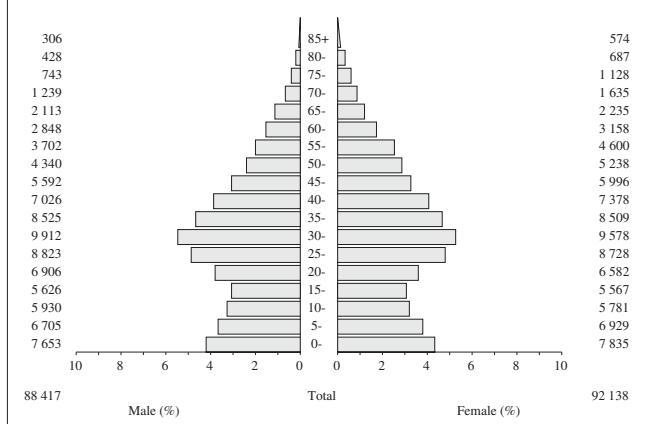
Bill Snouffer  
Georgette Haydu  
Barbara Warther



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 98.8  | Breast                     | 84.3  |
| Trachea, bronchus and lung | 60.4  | Trachea, bronchus and lung | 39.6  |
| Colon                      | 24.6  | Colon                      | 19.8  |
| Bladder                    | 22.4  | Corpus uteri               | 19.6  |
| Non-Hodgkin lymphoma       | 15.5  | Melanoma of skin           | 12.5  |
| Melanoma of skin           | 14.5  | Thyroid                    | 11.4  |
| Kidney                     | 13.1  | Non-Hodgkin lymphoma       | 11.0  |
| Rectum                     | 11.7  | Ovary                      | 8.9   |
| Pancreas                   | 8.3   | Kidney                     | 7.7   |
| Other and unspecified      | 8.1   | Rectum                     | 7.1   |
| All sites                  | 360.6 | All sites                  | 289.9 |

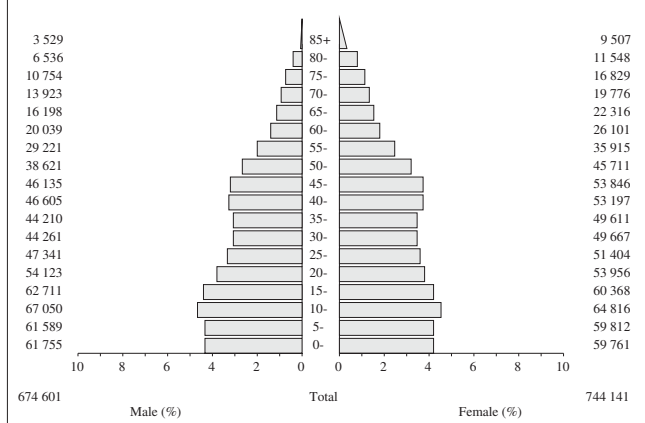
**USA, Ohio: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, OHIO: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 23.3  | Breast                     | 30.5  |
| Trachea, bronchus and lung | 17.3  | Trachea, bronchus and lung | 14.2  |
| Colon                      | 9.4   | Colon                      | 8.5   |
| Liver                      | 7.5   | Rectum                     | 5.5   |
| Bladder                    | 6.5   | Thyroid                    | 5.3   |
| Non-Hodgkin lymphoma       | 6.1   | Corpus uteri               | 5.0   |
| Stomach                    | 5.7   | Ovary                      | 4.7   |
| Pancreas                   | 4.4   | Stomach                    | 3.8   |
| Other and unspecified      | 3.8   | Non-Hodgkin lymphoma       | 3.8   |
| Rectum                     | 3.7   | Cervix uteri               | 3.5   |
| All sites                  | 112.4 | All sites                  | 111.6 |

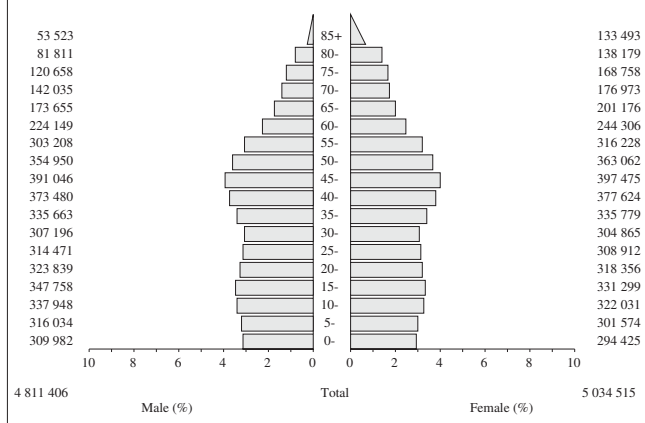
**USA, Ohio: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, OHIO: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 152.8 | Breast                     | 83.8  |
| Trachea, bronchus and lung | 76.5  | Trachea, bronchus and lung | 45.8  |
| Colon                      | 31.3  | Colon                      | 24.5  |
| Kidney                     | 16.1  | Corpus uteri               | 13.3  |
| Bladder                    | 12.1  | Kidney                     | 8.8   |
| Non-Hodgkin lymphoma       | 11.7  | Other and unspecified      | 8.3   |
| Pancreas                   | 11.4  | Pancreas                   | 8.2   |
| Liver                      | 11.1  | Non-Hodgkin lymphoma       | 8.1   |
| Rectum                     | 10.9  | Thyroid                    | 7.6   |
| Other and unspecified      | 10.0  | Cervix uteri               | 7.0   |
| All sites                  | 422.6 | All sites                  | 284.4 |

**USA, Ohio: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, OHIO: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 90.1  | Breast                     | 83.4  |
| Trachea, bronchus and lung | 59.0  | Trachea, bronchus and lung | 39.0  |
| Colon                      | 23.8  | Corpus uteri               | 20.2  |
| Bladder                    | 22.8  | Colon                      | 18.9  |
| Non-Hodgkin lymphoma       | 15.7  | Melanoma of skin           | 12.9  |
| Melanoma of skin           | 15.4  | Thyroid                    | 11.7  |
| Kidney                     | 12.8  | Non-Hodgkin lymphoma       | 11.0  |
| Rectum                     | 11.6  | Ovary                      | 9.2   |
| Pancreas                   | 7.9   | Kidney                     | 7.6   |
| Other and unspecified      | 7.9   | Rectum                     | 6.9   |
| All sites                  | 349.1 | All sites                  | 286.8 |



## USA, Ohio (2003-2007)

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 145       | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | 44        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C00                 |
| Tongue                       | 1212      | 0.8       | 4.3                      | <b>3.1</b>   | 0.23                | 0.37                | 526       | 0.4       | 1.8                      | <b>1.1</b>   | 0.08   | 0.13                | C01-02              |
| Mouth                        | 739       | 0.5       | 2.6                      | <b>1.9</b>   | 0.13                | 0.23                | 538       | 0.4       | 1.8                      | <b>1.0</b>   | 0.06   | 0.12                | C03-06              |
| Salivary glands              | 420       | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                | 0.10                | 316       | 0.2       | 1.1                      | <b>0.7</b>   | 0.05   | 0.08                | C07-08              |
| Tonsil                       | 783       | 0.5       | 2.8                      | <b>2.0</b>   | 0.17                | 0.24                | 200       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03   | 0.06                | C09                 |
| Other oropharynx             | 241       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.08                | 81        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C10                 |
| Nasopharynx                  | 221       | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                | 0.07                | 81        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C11                 |
| Hypopharynx                  | 318       | 0.2       | 1.1                      | <b>0.8</b>   | 0.06                | 0.10                | 90        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C12-13              |
| Pharynx unspecified          | 96        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03                | 33        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C14                 |
| Oesophagus                   | 2745      | 1.9       | 9.8                      | <b>6.5</b>   | 0.35                | 0.82                | 741       | 0.5       | 2.5                      | <b>1.3</b>   | 0.06   | 0.15                | C15                 |
| Stomach                      | 2327      | 1.6       | 8.3                      | <b>5.3</b>   | 0.25                | 0.62                | 1503      | 1.1       | 5.1                      | <b>2.5</b>   | 0.12   | 0.27                | C16                 |
| Small intestine              | 656       | 0.4       | 2.3                      | <b>1.6</b>   | 0.09                | 0.19                | 609       | 0.4       | 2.1                      | <b>1.2</b>   | 0.07   | 0.15                | C17                 |
| Colon                        | 10895     | 7.4       | 39.0                     | <b>24.6</b>  | 1.11                | 2.85                | 11985     | 8.4       | 40.7                     | <b>19.8</b>  | 0.93   | 2.25                | C18                 |
| Rectum                       | 4838      | 3.3       | 17.3                     | <b>11.7</b>  | 0.66                | 1.41                | 3737      | 2.6       | 12.7                     | <b>7.1</b>   | 0.42   | 0.85                | C19-20              |
| Anus                         | 347       | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                | 0.10                | 588       | 0.4       | 2.0                      | <b>1.3</b>   | 0.09   | 0.14                | C21                 |
| Liver                        | 1990      | 1.3       | 7.1                      | <b>4.8</b>   | 0.30                | 0.57                | 916       | 0.6       | 3.1                      | <b>1.7</b>   | 0.09   | 0.19                | C22                 |
| Gallbladder etc.             | 614       | 0.4       | 2.2                      | <b>1.3</b>   | 0.06                | 0.14                | 847       | 0.6       | 2.9                      | <b>1.4</b>   | 0.06   | 0.16                | C23-24              |
| Pancreas                     | 3547      | 2.4       | 12.7                     | <b>8.3</b>   | 0.43                | 0.98                | 3602      | 2.5       | 12.2                     | <b>6.0</b>   | 0.27   | 0.70                | C25                 |
| Nose, sinuses etc.           | 250       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.07                | 164       | 0.1       | 0.6                      | <b>0.3</b>   | 0.02   | 0.04                | C30-31              |
| Larynx                       | 2163      | 1.5       | 7.7                      | <b>5.4</b>   | 0.34                | 0.68                | 636       | 0.4       | 2.2                      | <b>1.4</b>   | 0.10   | 0.18                | C32                 |
| Trachea, bronchus and lung   | 25915     | 17.5      | 92.7                     | <b>60.4</b>  | 2.80                | 7.61                | 20941     | 14.8      | 71.1                     | <b>39.6</b>  | 1.98   | 5.14                | C33-34              |
| Other thoracic organs        | 150       | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.04                | 108       | 0.1       | 0.4                      | <b>0.3</b>   | 0.02   | 0.03                | C37-38              |
| Bone                         | 312       | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                | 0.09                | 250       | 0.2       | 0.8                      | <b>0.7</b>   | 0.05   | 0.06                | C40-41              |
| Melanoma of skin             | 5840      | 3.9       | 20.9                     | <b>14.5</b>  | 0.88                | 1.62                | 5068      | 3.6       | 17.2                     | <b>12.5</b>  | 0.90   | 1.26                | C43                 |
| Other skin                   | 407       | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                | 0.09                | 374       | 0.3       | 1.3                      | <b>0.8</b>   | 0.05   | 0.08                | C44                 |
| Mesothelioma                 | 524       | 0.4       | 1.9                      | <b>1.1</b>   | 0.04                | 0.14                | 149       | 0.1       | 0.5                      | <b>0.3</b>   | 0.01   | 0.03                | C45                 |
| Kaposi sarcoma               | 102       | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.02                | 10        | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 1108      | 0.7       | 4.0                      | <b>2.9</b>   | 0.17                | 0.29                | 900       | 0.6       | 3.1                      | <b>2.1</b>   | 0.13   | 0.20                | C47+C49             |
| Breast                       | 328       | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                | 0.09                | 39558     | 27.9      | 134.4                    | <b>84.3</b>  | 5.90   | 9.75                | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 870       | 0.6       | 3.0                      | <b>1.7</b>   | 0.10   | 0.18                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 224       | 0.2       | 0.8                      | <b>0.4</b>   | 0.02   | 0.04                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 2453      | 1.7       | 8.3                      | <b>6.4</b>   | 0.50   | 0.63                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 8948      | 6.3       | 30.4                     | <b>19.6</b>  | 1.44   | 2.41                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 257       | 0.2       | 0.9                      | <b>0.5</b>   | 0.03   | 0.05                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 4254      | 3.0       | 14.4                     | <b>8.9</b>   | 0.61   | 1.01                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 165       | 0.1       | 0.6                      | <b>0.3</b>   | 0.02   | 0.04                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 16        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C58                 |
| Penis                        | 195       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 40283     | 27.2      | 144.1                    | <b>98.8</b>  | 4.98                | 13.38               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 1541      | 1.0       | 5.5                      | <b>5.2</b>   | 0.39                | 0.40                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 54        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 5163      | 3.5       | 18.5                     | <b>13.1</b>  | 0.81                | 1.58                | 3654      | 2.6       | 12.4                     | <b>7.7</b>   | 0.47   | 0.92                | C64                 |
| Renal pelvis                 | 244       | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                | 0.07                | 172       | 0.1       | 0.6                      | <b>0.3</b>   | 0.01   | 0.03                | C65                 |
| Ureter                       | 171       | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.04                | 118       | 0.1       | 0.4                      | <b>0.2</b>   | 0.01   | 0.02                | C66                 |
| Bladder                      | 10067     | 6.8       | 36.0                     | <b>22.4</b>  | 0.91                | 2.62                | 3387      | 2.4       | 11.5                     | <b>5.7</b>   | 0.27   | 0.69                | C67                 |
| Other urinary organs         | 68        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | 41        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C68                 |
| Eye                          | 267       | 0.2       | 1.0                      | <b>0.8</b>   | 0.04                | 0.07                | 203       | 0.1       | 0.7                      | <b>0.6</b>   | 0.03   | 0.05                | C69                 |
| Brain, nervous system        | 2213      | 1.5       | 7.9                      | <b>6.6</b>   | 0.41                | 0.62                | 1928      | 1.4       | 6.5                      | <b>5.0</b>   | 0.30   | 0.47                | C70-72              |
| Thyroid                      | 1268      | 0.9       | 4.5                      | <b>3.5</b>   | 0.26                | 0.37                | 4204      | 3.0       | 14.3                     | <b>11.4</b>  | 0.89   | 1.11                | C73                 |
| Adrenal gland                | 93        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | 94        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.02                | C74                 |
| Other endocrine              | 30        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 40        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C75                 |
| Hodgkin lymphoma             | 926       | 0.6       | 3.3                      | <b>3.0</b>   | 0.20                | 0.26                | 824       | 0.6       | 2.8                      | <b>2.6</b>   | 0.17   | 0.20                | C81                 |
| Non-Hodgkin lymphoma         | 6289      | 4.2       | 22.5                     | <b>15.5</b>  | 0.88                | 1.71                | 5685      | 4.0       | 19.3                     | <b>11.0</b>  | 0.62   | 1.26                | C82-85,C96          |
| Immunoproliferative diseases | 97        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | 79        | 0.1       | 0.3                      | <b>0.1</b>   | 0.01   | 0.02                | C88                 |
| Multiple myeloma             | 1747      | 1.2       | 6.2                      | <b>4.1</b>   | 0.22                | 0.49                | 1551      | 1.1       | 5.3                      | <b>2.8</b>   | 0.14   | 0.34                | C90                 |
| Lymphoid leukaemia           | 1827      | 1.2       | 6.5                      | <b>5.1</b>   | 0.26                | 0.49                | 1295      | 0.9       | 4.4                      | <b>3.1</b>   | 0.16   | 0.28                | C91                 |
| Myeloid leukaemia            | 1774      | 1.2       | 6.3                      | <b>4.5</b>   | 0.23                | 0.46                | 1558      | 1.1       | 5.3                      | <b>3.2</b>   | 0.19   | 0.33                | C92-94              |
| Leukaemia unspecified        | 211       | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                | 0.04                | 201       | 0.1       | 0.7                      | <b>0.3</b>   | 0.01   | 0.02                | C95                 |
| Myeloproliferative disorders | 485       | 0.3       | 1.7                      | <b>1.2</b>   | 0.07                | 0.14                | 559       | 0.4       | 1.9                      | <b>1.1</b>   | 0.06   | 0.12                | MPD                 |
| Myelodysplastic syndromes    | 860       | 0.6       | 3.1                      | <b>1.8</b>   | 0.06                | 0.18                | 713       | 0.5       | 2.4                      | <b>1.1</b>   | 0.04   | 0.13                | MDS                 |
| Other and unspecified        | 3524      | 2.4       | 12.6                     | <b>8.1</b>   | 0.40                | 0.92                | 4134      | 2.9       | 14.0                     | <b>6.8</b>   | 0.33   | 0.74                | O&U                 |
| All sites                    | 148630    |           | 531.6                    | <b>360.6</b> | 18.76               | 43.66               | 142222    |           | 483.1                    | <b>289.9</b> | 18.01  | 33.23               | C00-96              |
| All sites except C44         | 148223    | 100.0     | 530.2                    | <b>359.6</b> | 18.71               | 43.57               | 141848    | 100.0     | 481.8                    | <b>289.1</b> | 17.96  | 33.15               | C00-96 exc. C44     |

## USA, Ohio: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 3         | 0.7       | 0.7                      | <b>0.8</b>   | 0.04                     | 0.08      | 4         | 0.7                      | 0.9       | <b>0.7</b>               | 0.03   | 0.09  | C01-02          |
| Mouth                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.2       | <b>0.2</b>               | 0.00   | 0.00  | C03-06          |
| Salivary glands              | 1         | 0.2       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 3         | 0.5                      | 0.7       | <b>0.7</b>               | 0.03   | 0.09  | C07-08          |
| Tonsil                       | 3         | 0.7       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.2       | <b>0.2</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 6         | 1.3       | 1.4                      | <b>1.1</b>   | 0.07                     | 0.15      | 1         | 0.2                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 1         | 0.2       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 3         | 0.7       | 0.7                      | <b>0.8</b>   | 0.05                     | 0.05      | 5         | 0.9                      | 1.1       | <b>1.1</b>               | 0.04   | 0.21  | C15             |
| Stomach                      | 23        | 5.2       | 5.2                      | <b>5.7</b>   | 0.32                     | 0.64      | 20        | 3.6                      | 4.3       | <b>3.8</b>               | 0.20   | 0.45  | C16             |
| Small intestine              | 1         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.05      | 2         | 0.4                      | 0.4       | <b>0.4</b>               | 0.02   | 0.02  | C17             |
| Colon                        | 37        | 8.3       | 8.4                      | <b>9.4</b>   | 0.41                     | 1.18      | 44        | 8.0                      | 9.6       | <b>8.5</b>               | 0.39   | 0.86  | C18             |
| Rectum                       | 16        | 3.6       | 3.6                      | <b>3.7</b>   | 0.20                     | 0.43      | 27        | 4.9                      | 5.9       | <b>5.5</b>               | 0.33   | 0.67  | C19-20          |
| Anus                         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C21             |
| Liver                        | 30        | 6.7       | 6.8                      | <b>7.5</b>   | 0.42                     | 0.77      | 13        | 2.4                      | 2.8       | <b>3.0</b>               | 0.14   | 0.38  | C22             |
| Gallbladder etc.             | 2         | 0.4       | 0.5                      | <b>0.5</b>   | 0.04                     | 0.04      | 2         | 0.4                      | 0.4       | <b>0.5</b>               | 0.03   | 0.09  | C23-24          |
| Pancreas                     | 18        | 4.0       | 4.1                      | <b>4.4</b>   | 0.19                     | 0.42      | 13        | 2.4                      | 2.8       | <b>2.8</b>               | 0.03   | 0.37  | C25             |
| Nose, sinuses etc.           | 1         | 0.2       | 0.2                      | <b>0.2</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C32             |
| Trachea, bronchus and lung   | 66        | 14.8      | 14.9                     | <b>17.3</b>  | 0.68                     | 1.93      | 69        | 12.5                     | 15.0      | <b>14.2</b>              | 0.48   | 1.72  | C33-34          |
| Other thoracic organs        | 1         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.05      | 3         | 0.5                      | 0.7       | <b>0.6</b>               | 0.01   | 0.06  | C37-38          |
| Bone                         | 1         | 0.2       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C40-41          |
| Melanoma of skin             | 9         | 2.0       | 2.0                      | <b>1.9</b>   | 0.10                     | 0.18      | 2         | 0.4                      | 0.4       | <b>0.4</b>               | 0.01   | 0.06  | C43             |
| Other skin                   | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.7                      | 0.7       | <b>0.6</b>               | 0.04   | 0.04  | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.2       | <b>0.2</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 1         | 0.2       | 0.2                      | <b>0.3</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 5         | 1.1       | 1.1                      | <b>1.3</b>   | 0.07                     | 0.07      | 2         | 0.4                      | 0.4       | <b>0.4</b>               | 0.04   | 0.04  | C47+C49         |
| Breast                       | 1         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.00      | 151       | 27.4                     | 32.8      | <b>30.5</b>              | 2.10   | 3.65  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 3         | 0.5                      | 0.7       | <b>0.7</b>               | 0.00   | 0.09  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 19        | 3.4                      | 4.1       | <b>3.5</b>               | 0.30   | 0.34  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 26        | 4.7                      | 5.6       | <b>5.0</b>               | 0.45   | 0.55  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 2         | 0.4                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 21        | 3.8                      | 4.6       | <b>4.7</b>               | 0.27   | 0.55  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 84        | 18.9      | 19.0                     | <b>23.3</b>  | 1.12                     | 3.14      |           |                          |           |                          |        |       | C61             |
| Testis                       | 4         | 0.9       | 0.9                      | <b>0.7</b>   | 0.05                     | 0.05      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 10        | 2.2       | 2.3                      | <b>2.6</b>   | 0.12                     | 0.41      | 10        | 1.8                      | 2.2       | <b>1.8</b>               | 0.16   | 0.21  | C64             |
| Renal pelvis                 | 1         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.2       | <b>0.2</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 25        | 5.6       | 5.7                      | <b>6.5</b>   | 0.21                     | 0.84      | 7         | 1.3                      | 1.5       | <b>1.6</b>               | 0.10   | 0.25  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 9         | 2.0       | 2.0                      | <b>2.2</b>   | 0.13                     | 0.25      | 9         | 1.6                      | 2.0       | <b>2.0</b>               | 0.16   | 0.16  | C70-72          |
| Thyroid                      | 4         | 0.9       | 0.9                      | <b>0.7</b>   | 0.06                     | 0.06      | 29        | 5.3                      | 6.3       | <b>5.3</b>               | 0.42   | 0.53  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.4                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C75             |
| Hodgkin lymphoma             | 3         | 0.7       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.04      | 2         | 0.4                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C81             |
| Non-Hodgkin lymphoma         | 27        | 6.1       | 6.1                      | <b>6.1</b>   | 0.32                     | 0.62      | 19        | 3.4                      | 4.1       | <b>3.8</b>               | 0.23   | 0.34  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 7         | 1.6       | 1.6                      | <b>1.6</b>   | 0.08                     | 0.17      | 4         | 0.7                      | 0.9       | <b>0.8</b>               | 0.08   | 0.08  | C90             |
| Lymphoid leukaemia           | 8         | 1.8       | 1.8                      | <b>2.4</b>   | 0.11                     | 0.19      | 1         | 0.2                      | 0.2       | <b>0.3</b>               | 0.01   | 0.01  | C91             |
| Myeloid leukaemia            | 12        | 2.7       | 2.7                      | <b>2.7</b>   | 0.19                     | 0.24      | 9         | 1.6                      | 2.0       | <b>1.9</b>               | 0.13   | 0.24  | C92-94          |
| Leukaemia unspecified        | 2         | 0.4       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.02      | 1         | 0.2                      | 0.2       | <b>0.2</b>               | 0.00   | 0.06  | C95             |
| Myeloproliferative disorders | 2         | 0.4       | 0.5                      | <b>0.4</b>   | 0.05                     | 0.05      | 4         | 0.7                      | 0.9       | <b>0.8</b>               | 0.02   | 0.06  | MPD             |
| Myelodysplastic syndromes    | 3         | 0.7       | 0.7                      | <b>0.9</b>   | 0.00                     | 0.16      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | MDS             |
| Other and unspecified        | 15        | 3.4       | 3.4                      | <b>3.8</b>   | 0.11                     | 0.29      | 16        | 2.9                      | 3.5       | <b>3.4</b>               | 0.16   | 0.35  | O&U             |
| All sites                    | 445       |           | 100.7                    | <b>112.4</b> | 5.37                     | 12.77     | 554       |                          | 120.3     | <b>111.6</b>             | 6.57   | 12.75 | C00-96          |
| All sites except C44         | 445       | 100.0     | 100.7                    | <b>112.4</b> | 5.37                     | 12.77     | 551       | 100.0                    | 119.6     | <b>111.0</b>             | 6.53   | 12.71 | C00-96 exc. C44 |

## USA, Ohio: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 95        | 0.6       | 2.8                      | <b>2.8</b>   | 0.22                     | 0.37      | 41        | 0.3                      | 1.1       | <b>0.9</b>               | 0.07   | 0.10  | C01-02          |
| Mouth                        | 81        | 0.6       | 2.4                      | <b>2.3</b>   | 0.15                     | 0.30      | 45        | 0.3                      | 1.2       | <b>1.0</b>               | 0.07   | 0.12  | C03-06          |
| Salivary glands              | 24        | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.07      | 35        | 0.3                      | 0.9       | <b>0.8</b>               | 0.06   | 0.09  | C07-08          |
| Tonsil                       | 80        | 0.5       | 2.4                      | <b>2.3</b>   | 0.18                     | 0.26      | 21        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 37        | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.14      | 6         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 41        | 0.3       | 1.2                      | <b>1.1</b>   | 0.08                     | 0.12      | 10        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 33        | 0.2       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.11      | 16        | 0.1                      | 0.4       | <b>0.4</b>               | 0.04   | 0.04  | C12-13          |
| Pharynx unspecified          | 20        | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 202       | 1.4       | 6.0                      | <b>6.0</b>   | 0.34                     | 0.77      | 114       | 0.8                      | 3.1       | <b>2.2</b>               | 0.13   | 0.26  | C15             |
| Stomach                      | 310       | 2.1       | 9.2                      | <b>8.6</b>   | 0.43                     | 0.99      | 277       | 2.0                      | 7.4       | <b>5.0</b>               | 0.25   | 0.51  | C16             |
| Small intestine              | 102       | 0.7       | 3.0                      | <b>2.9</b>   | 0.19                     | 0.34      | 113       | 0.8                      | 3.0       | <b>2.4</b>               | 0.13   | 0.32  | C17             |
| Colon                        | 1116      | 7.6       | 33.1                     | <b>31.3</b>  | 1.62                     | 3.74      | 1268      | 9.3                      | 34.1      | <b>24.5</b>              | 1.41   | 2.81  | C18             |
| Rectum                       | 394       | 2.7       | 11.7                     | <b>10.9</b>  | 0.71                     | 1.26      | 341       | 2.5                      | 9.2       | <b>6.9</b>               | 0.42   | 0.81  | C19-20          |
| Anus                         | 48        | 0.3       | 1.4                      | <b>1.3</b>   | 0.09                     | 0.15      | 45        | 0.3                      | 1.2       | <b>1.0</b>               | 0.07   | 0.11  | C21             |
| Liver                        | 385       | 2.6       | 11.4                     | <b>11.1</b>  | 0.82                     | 1.38      | 140       | 1.0                      | 3.8       | <b>2.9</b>               | 0.20   | 0.35  | C22             |
| Gallbladder etc.             | 57        | 0.4       | 1.7                      | <b>1.6</b>   | 0.07                     | 0.19      | 86        | 0.6                      | 2.3       | <b>1.6</b>               | 0.07   | 0.18  | C23-24          |
| Pancreas                     | 403       | 2.8       | 11.9                     | <b>11.4</b>  | 0.70                     | 1.40      | 439       | 3.2                      | 11.8      | <b>8.2</b>               | 0.41   | 0.94  | C25             |
| Nose, sinuses etc.           | 23        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.06      | 24        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C30-31          |
| Larynx                       | 234       | 1.6       | 6.9                      | <b>6.9</b>   | 0.44                     | 0.90      | 81        | 0.6                      | 2.2       | <b>1.9</b>               | 0.14   | 0.25  | C32             |
| Trachea, bronchus and lung   | 2713      | 18.6      | 80.4                     | <b>76.5</b>  | 3.97                     | 9.58      | 2242      | 16.5                     | 60.3      | <b>45.8</b>              | 2.54   | 5.77  | C33-34          |
| Other thoracic organs        | 13        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03      | 23        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C37-38          |
| Bone                         | 39        | 0.3       | 1.2                      | <b>1.1</b>   | 0.08                     | 0.08      | 34        | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 26        | 0.2       | 0.8                      | <b>0.7</b>   | 0.03                     | 0.06      | 37        | 0.3                      | 1.0       | <b>0.9</b>               | 0.07   | 0.09  | C43             |
| Other skin                   | 30        | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.07      | 47        | 0.3                      | 1.3       | <b>1.1</b>               | 0.09   | 0.10  | C44             |
| Mesothelioma                 | 23        | 0.2       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.09      | 7         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 20        | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.04      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 111       | 0.8       | 3.3                      | <b>3.1</b>   | 0.21                     | 0.28      | 94        | 0.7                      | 2.5       | <b>2.2</b>               | 0.15   | 0.22  | C47+C49         |
| Breast                       | 37        | 0.3       | 1.1                      | <b>1.0</b>   | 0.04                     | 0.11      | 3925      | 28.8                     | 105.5     | <b>83.8</b>              | 5.93   | 9.60  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 47        | 0.3                      | 1.3       | <b>1.0</b>               | 0.08   | 0.10  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 29        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 311       | 2.3                      | 8.4       | <b>7.0</b>               | 0.52   | 0.75  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 615       | 4.5                      | 16.5      | <b>13.3</b>              | 0.81   | 1.72  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 37        | 0.3                      | 1.0       | <b>0.8</b>               | 0.05   | 0.09  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 309       | 2.3                      | 8.3       | <b>6.5</b>               | 0.38   | 0.74  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 19        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 15        | 0.1       | 0.4                      | <b>0.5</b>   | 0.04                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 5106      | 34.9      | 151.4                    | <b>152.8</b> | 8.59                     | 20.83     |           |                          |           |                          |        |       | C61             |
| Testis                       | 55        | 0.4       | 1.6                      | <b>1.5</b>   | 0.12                     | 0.12      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 558       | 3.8       | 16.5                     | <b>16.1</b>  | 1.02                     | 1.98      | 404       | 3.0                      | 10.9      | <b>8.8</b>               | 0.56   | 1.01  | C64             |
| Renal pelvis                 | 9         | 0.1       | 0.3                      | <b>0.3</b>   | 0.00                     | 0.04      | 7         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 7         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 430       | 2.9       | 12.7                     | <b>12.1</b>  | 0.53                     | 1.48      | 226       | 1.7                      | 6.1       | <b>4.1</b>               | 0.19   | 0.44  | C67             |
| Other urinary organs         | 8         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 12        | 0.1                      | 0.3       | <b>0.3</b>               | 0.01   | 0.04  | C68             |
| Eye                          | 18        | 0.1       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.03      | 20        | 0.1                      | 0.5       | <b>0.7</b>               | 0.03   | 0.04  | C69             |
| Brain, nervous system        | 133       | 0.9       | 3.9                      | <b>3.8</b>   | 0.22                     | 0.37      | 108       | 0.8                      | 2.9       | <b>2.6</b>               | 0.15   | 0.23  | C70-72          |
| Thyroid                      | 78        | 0.5       | 2.3                      | <b>2.1</b>   | 0.16                     | 0.22      | 329       | 2.4                      | 8.8       | <b>7.6</b>               | 0.59   | 0.81  | C73             |
| Adrenal gland                | 9         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 81        | 0.6       | 2.4                      | <b>2.3</b>   | 0.15                     | 0.22      | 95        | 0.7                      | 2.6       | <b>2.4</b>               | 0.17   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 421       | 2.9       | 12.5                     | <b>11.7</b>  | 0.71                     | 1.30      | 374       | 2.7                      | 10.1      | <b>8.1</b>               | 0.51   | 0.90  | C82-85,C96      |
| Immunoproliferative diseases | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 298       | 2.0       | 8.8                      | <b>8.6</b>   | 0.52                     | 1.05      | 292       | 2.1                      | 7.8       | <b>5.9</b>               | 0.34   | 0.72  | C90             |
| Lymphoid leukaemia           | 142       | 1.0       | 4.2                      | <b>4.0</b>   | 0.21                     | 0.40      | 103       | 0.8                      | 2.8       | <b>2.2</b>               | 0.12   | 0.25  | C91             |
| Myeloid leukaemia            | 131       | 0.9       | 3.9                      | <b>3.6</b>   | 0.19                     | 0.33      | 165       | 1.2                      | 4.4       | <b>3.8</b>               | 0.25   | 0.43  | C92-94          |
| Leukaemia unspecified        | 12        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.04      | 16        | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 35        | 0.2       | 1.0                      | <b>1.0</b>   | 0.05                     | 0.11      | 58        | 0.4                      | 1.6       | <b>1.2</b>               | 0.06   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 48        | 0.3       | 1.4                      | <b>1.2</b>   | 0.04                     | 0.12      | 80        | 0.6                      | 2.2       | <b>1.4</b>               | 0.05   | 0.17  | MDS             |
| Other and unspecified        | 354       | 2.4       | 10.5                     | <b>10.0</b>  | 0.53                     | 1.16      | 459       | 3.4                      | 12.3      | <b>8.3</b>               | 0.42   | 0.88  | O&U             |
| All sites                    | 14654     |           | 434.4                    | <b>422.6</b> | 23.99                    | 52.88     | 13663     |                          | 367.2     | <b>284.4</b>             | 17.86  | 32.83 | C00-96          |
| All sites except C44         | 14624     | 100.0     | 433.6                    | <b>421.8</b> | 23.93                    | 52.81     | 13616     | 100.0                    | 366.0     | <b>283.3</b>             | 17.78  | 32.73 | C00-96 exc. C44 |

## USA, Ohio: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 138       | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04      | 40        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 1093      | 0.8       | 4.5                      | <b>3.1</b>   | 0.24                     | 0.37      | 472       | 0.4                      | 1.9       | <b>1.1</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 648       | 0.5       | 2.7                      | <b>1.8</b>   | 0.12                     | 0.22      | 480       | 0.4                      | 1.9       | <b>1.0</b>               | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 386       | 0.3       | 1.6                      | <b>1.0</b>   | 0.05                     | 0.10      | 266       | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 695       | 0.5       | 2.9                      | <b>2.0</b>   | 0.18                     | 0.24      | 179       | 0.1                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 201       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07      | 73        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 173       | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06      | 67        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 281       | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                     | 0.10      | 74        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 74        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 30        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 2512      | 1.9       | 10.4                     | <b>6.6</b>   | 0.36                     | 0.83      | 608       | 0.5                      | 2.4       | <b>1.1</b>               | 0.05   | 0.13  | C15             |
| Stomach                      | 1960      | 1.5       | 8.1                      | <b>4.9</b>   | 0.23                     | 0.58      | 1169      | 0.9                      | 4.6       | <b>2.2</b>               | 0.10   | 0.23  | C16             |
| Small intestine              | 543       | 0.4       | 2.3                      | <b>1.5</b>   | 0.08                     | 0.18      | 481       | 0.4                      | 1.9       | <b>1.1</b>               | 0.07   | 0.13  | C17             |
| Colon                        | 9580      | 7.4       | 39.8                     | <b>23.8</b>  | 1.05                     | 2.74      | 10452     | 8.4                      | 41.5      | <b>18.9</b>              | 0.86   | 2.15  | C18             |
| Rectum                       | 4334      | 3.3       | 18.0                     | <b>11.6</b>  | 0.65                     | 1.41      | 3257      | 2.6                      | 12.9      | <b>6.9</b>               | 0.41   | 0.82  | C19-20          |
| Anus                         | 295       | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                     | 0.10      | 533       | 0.4                      | 2.1       | <b>1.3</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 1545      | 1.2       | 6.4                      | <b>4.1</b>   | 0.24                     | 0.48      | 747       | 0.6                      | 3.0       | <b>1.5</b>               | 0.07   | 0.17  | C22             |
| Gallbladder etc.             | 542       | 0.4       | 2.3                      | <b>1.3</b>   | 0.05                     | 0.13      | 752       | 0.6                      | 3.0       | <b>1.3</b>               | 0.06   | 0.16  | C23-24          |
| Pancreas                     | 3093      | 2.4       | 12.9                     | <b>7.9</b>   | 0.41                     | 0.94      | 3126      | 2.5                      | 12.4      | <b>5.8</b>               | 0.26   | 0.67  | C25             |
| Nose, sinuses etc.           | 221       | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07      | 133       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 1905      | 1.5       | 7.9                      | <b>5.3</b>   | 0.33                     | 0.66      | 548       | 0.4                      | 2.2       | <b>1.4</b>               | 0.09   | 0.17  | C32             |
| Trachea, bronchus and lung   | 22946     | 17.7      | 95.4                     | <b>59.0</b>  | 2.70                     | 7.44      | 18489     | 14.8                     | 73.4      | <b>39.0</b>              | 1.93   | 5.07  | C33-34          |
| Other thoracic organs        | 135       | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.04      | 79        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 267       | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.09      | 212       | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 5515      | 4.3       | 22.9                     | <b>15.4</b>  | 0.94                     | 1.71      | 4559      | 3.7                      | 18.1      | <b>12.9</b>              | 0.93   | 1.30  | C43             |
| Other skin                   | 361       | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                     | 0.09      | 307       | 0.2                      | 1.2       | <b>0.7</b>               | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 496       | 0.4       | 2.1                      | <b>1.2</b>   | 0.04                     | 0.14      | 141       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 73        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 5         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 954       | 0.7       | 4.0                      | <b>2.7</b>   | 0.16                     | 0.28      | 781       | 0.6                      | 3.1       | <b>2.1</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 284       | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                     | 0.09      | 34761     | 27.8                     | 138.1     | <b>83.4</b>              | 5.83   | 9.67  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 810       | 0.6                      | 3.2       | <b>1.8</b>               | 0.11   | 0.19  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 189       | 0.2                      | 0.8       | <b>0.4</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 2080      | 1.7                      | 8.3       | <b>6.3</b>               | 0.49   | 0.61  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 8127      | 6.5                      | 32.3      | <b>20.2</b>              | 1.50   | 2.47  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 216       | 0.2                      | 0.9       | <b>0.4</b>               | 0.03   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 3863      | 3.1                      | 15.3      | <b>9.2</b>               | 0.63   | 1.03  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 143       | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 178       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 33187     | 25.6      | 138.0                    | <b>90.1</b>  | 4.53                     | 12.26     |           |                          |           |                          |        |       | C61             |
| Testis                       | 1441      | 1.1       | 6.0                      | <b>5.7</b>   | 0.42                     | 0.43      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 50        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 4538      | 3.5       | 18.9                     | <b>12.8</b>  | 0.79                     | 1.54      | 3204      | 2.6                      | 12.7      | <b>7.6</b>               | 0.46   | 0.91  | C64             |
| Renal pelvis                 | 231       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                     | 0.07      | 164       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 164       | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.04      | 114       | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 9302      | 7.2       | 38.7                     | <b>22.8</b>  | 0.93                     | 2.67      | 3040      | 2.4                      | 12.1      | <b>5.7</b>               | 0.26   | 0.69  | C67             |
| Other urinary organs         | 60        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 28        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 247       | 0.2       | 1.0                      | <b>0.8</b>   | 0.04                     | 0.08      | 179       | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 2039      | 1.6       | 8.5                      | <b>6.9</b>   | 0.43                     | 0.65      | 1792      | 1.4                      | 7.1       | <b>5.3</b>               | 0.32   | 0.51  | C70-72          |
| Thyroid                      | 1146      | 0.9       | 4.8                      | <b>3.6</b>   | 0.27                     | 0.38      | 3692      | 3.0                      | 14.7      | <b>11.7</b>              | 0.90   | 1.12  | C73             |
| Adrenal gland                | 83        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 86        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 26        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 30        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 816       | 0.6       | 3.4                      | <b>3.0</b>   | 0.21                     | 0.26      | 703       | 0.6                      | 2.8       | <b>2.5</b>               | 0.17   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 5715      | 4.4       | 23.8                     | <b>15.7</b>  | 0.89                     | 1.73      | 5138      | 4.1                      | 20.4      | <b>11.0</b>              | 0.61   | 1.28  | C82-85,C96      |
| Immunoproliferative diseases | 92        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.03      | 73        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 1424      | 1.1       | 5.9                      | <b>3.6</b>   | 0.19                     | 0.44      | 1235      | 1.0                      | 4.9       | <b>2.4</b>               | 0.12   | 0.29  | C90             |
| Lymphoid leukaemia           | 1642      | 1.3       | 6.8                      | <b>5.2</b>   | 0.26                     | 0.50      | 1155      | 0.9                      | 4.6       | <b>3.2</b>               | 0.16   | 0.28  | C91             |
| Myeloid leukaemia            | 1611      | 1.2       | 6.7                      | <b>4.5</b>   | 0.23                     | 0.47      | 1364      | 1.1                      | 5.4       | <b>3.2</b>               | 0.18   | 0.32  | C92-94          |
| Leukaemia unspecified        | 194       | 0.1       | 0.8                      | <b>0.5</b>   | 0.01                     | 0.04      | 184       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 443       | 0.3       | 1.8                      | <b>1.2</b>   | 0.07                     | 0.14      | 484       | 0.4                      | 1.9       | <b>1.1</b>               | 0.06   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 802       | 0.6       | 3.3                      | <b>1.8</b>   | 0.06                     | 0.19      | 622       | 0.5                      | 2.5       | <b>1.1</b>               | 0.04   | 0.12  | MDS             |
| Other and unspecified        | 3120      | 2.4       | 13.0                     | <b>7.9</b>   | 0.38                     | 0.90      | 3610      | 2.9                      | 14.3      | <b>6.6</b>               | 0.32   | 0.72  | O&U             |
| All sites                    | 129801    |           | 539.6                    | <b>349.1</b> | 18.08                    | 42.18     | 125153    |                          | 497.2     | <b>286.8</b>             | 17.78  | 32.86 | C00-96          |
| All sites except C44         | 129440    | 100.0     | 538.1                    | <b>348.2</b> | 18.03                    | 42.09     | 124846    | 100.0                    | 496.0     | <b>286.1</b>             | 17.74  | 32.79 | C00-96 exc. C44 |

# USA, Oklahoma

## REGISTRATION AREA

The Oklahoma Central Cancer Registry (OCCR) covers the population of the state of Oklahoma in the USA. Oklahoma is a primarily rural state, with 35% of the population living in the two major metropolitan areas and 16 of the state's 77 counties (20%) designated as completely rural by the United States Department of Agriculture – with fewer than 2500 residents each. Oklahoma has one of the largest populations of American Indians of any state in the USA, with 8.9% of residents identifying as American Indian by 2011 United States Census Bureau estimates.

## REGISTRY STRUCTURE AND METHODS

The OCCR is housed within the Oklahoma State Department of Health, and the registry collects, processes, and maintains data on the approximately 20 000 cases of cancer diagnosed and treated each year among the approximately 3.5 million residents of Oklahoma. To maintain these data, the OCCR has a staff of 10 dedicated registrars who work with the wide variety of facilities and physicians throughout the state. These activities are supported by state law requiring the reporting of cancer cases to the OCCR within 180 days of diagnosis. The OCCR is funded to conduct these activities by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR).

## INTERPRETING THE RESULTS

Breast and cervical cancer screening programmes in Oklahoma are funded by CDC's National Breast and Cervical Cancer Early Detection Program. Oklahoma also has a state-funded screening programme for colorectal cancer.

## USE OF THE DATA

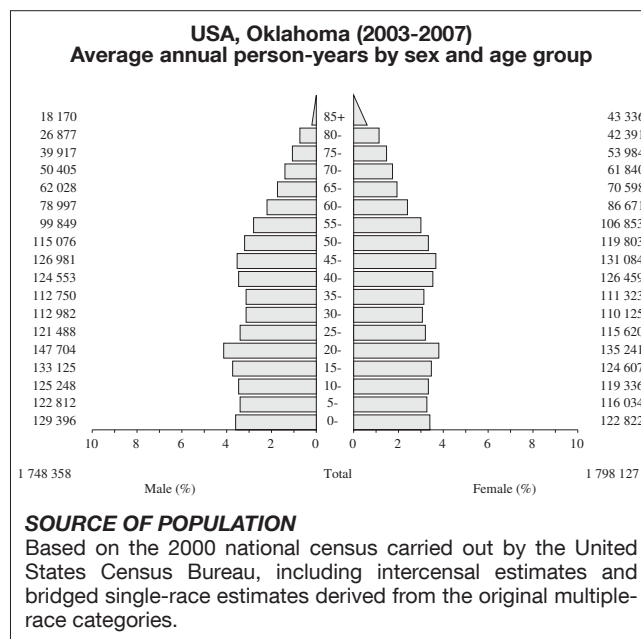
The OCCR staff members are dedicated to providing complete, timely, and high-quality data to clinicians, researchers, and public health officials for use in programme planning, resource allocation, and support of cancer research and analysis in the state and the USA. One of the most impactful processes that the

OCCR participates in is linkage with the database of the Indian Health Services, which provides more accurate racial identification for the American Indian population. After linkage, the age-adjusted incidence rates double in this population, due to the major influence of racial misclassification. Data collected by the OCCR are often used directly for cancer prevention and control activities within Oklahoma. For example, OCCR data, in combination with behavioural risk factor and mortality data, are used to identify priority populations throughout the state to better allocate resources for breast and cervical cancer screening.

## CONTRIBUTORS

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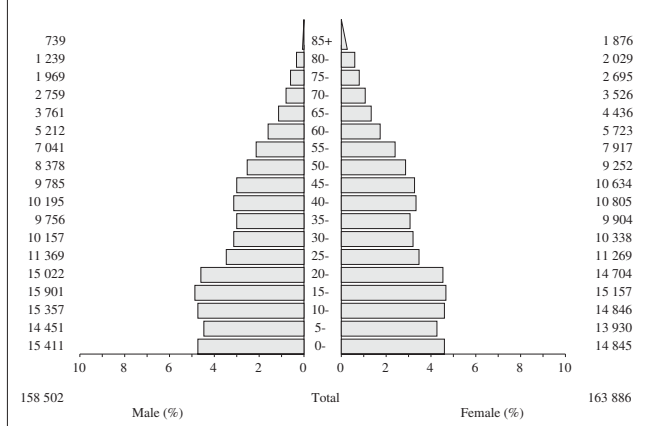
Leslie Dill  
Delores Greene  
Amanda Moran  
Anne Pate



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 99.2  | Breast                     | 89.6  |
| Trachea, bronchus and lung | 66.8  | Trachea, bronchus and lung | 43.5  |
| Colon                      | 24.6  | Colon                      | 20.0  |
| Bladder                    | 20.8  | Corpus uteri               | 13.8  |
| Melanoma of skin           | 15.8  | Non-Hodgkin lymphoma       | 12.1  |
| Non-Hodgkin lymphoma       | 15.4  | Melanoma of skin           | 11.7  |
| Kidney                     | 14.4  | Ovary                      | 9.4   |
| Rectum                     | 11.8  | Thyroid                    | 9.1   |
| Pancreas                   | 8.0   | Kidney                     | 7.9   |
| Brain, nervous system      | 6.9   | Cervix uteri               | 7.5   |
| All sites                  | 373.0 | All sites                  | 297.8 |

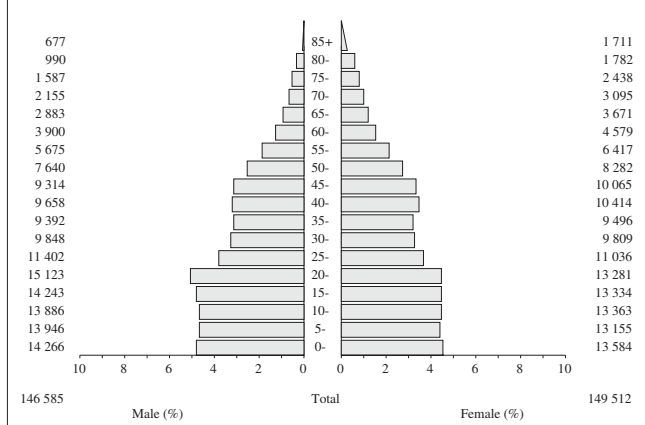
**USA, Oklahoma: American Indian (2003-2007)**  
Average annual person-years by sex and age group



**USA, OKLAHOMA: AMERICAN INDIAN**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 101.0 | Breast                     | 93.7  |
| Trachea, bronchus and lung | 82.5  | Trachea, bronchus and lung | 56.5  |
| Colon                      | 34.6  | Colon                      | 28.9  |
| Kidney                     | 23.2  | Corpus uteri               | 18.1  |
| Bladder                    | 18.2  | Kidney                     | 15.8  |
| Non-Hodgkin lymphoma       | 17.8  | Non-Hodgkin lymphoma       | 14.0  |
| Rectum                     | 15.5  | Rectum                     | 12.0  |
| Liver                      | 11.7  | Ovary                      | 11.6  |
| Other and unspecified      | 10.6  | Thyroid                    | 11.0  |
| Stomach                    | 9.4   | Cervix uteri               | 10.5  |
| All sites                  | 426.9 | All sites                  | 363.3 |

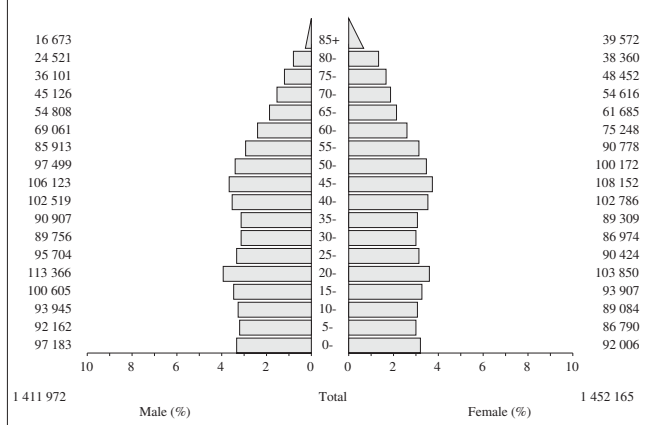
**USA, Oklahoma: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, OKLAHOMA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 156.5 | Breast                     | 86.7  |
| Trachea, bronchus and lung | 80.1  | Trachea, bronchus and lung | 39.8  |
| Colon                      | 31.9  | Colon                      | 27.4  |
| Kidney                     | 12.9  | Corpus uteri               | 11.9  |
| Rectum                     | 11.3  | Pancreas                   | 11.1  |
| Bladder                    | 10.8  | Non-Hodgkin lymphoma       | 9.5   |
| Pancreas                   | 9.7   | Multiple myeloma           | 8.6   |
| Multiple myeloma           | 9.0   | Kidney                     | 7.0   |
| Non-Hodgkin lymphoma       | 9.0   | Other and unspecified      | 6.4   |
| Liver                      | 8.5   | Cervix uteri               | 5.9   |
| All sites                  | 420.3 | All sites                  | 285.7 |

**USA, Oklahoma: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, OKLAHOMA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 94.5  | Breast                     | 89.3  |
| Trachea, bronchus and lung | 65.0  | Trachea, bronchus and lung | 42.9  |
| Colon                      | 23.4  | Colon                      | 18.7  |
| Bladder                    | 21.3  | Corpus uteri               | 13.6  |
| Melanoma of skin           | 17.4  | Melanoma of skin           | 13.0  |
| Non-Hodgkin lymphoma       | 15.4  | Non-Hodgkin lymphoma       | 12.0  |
| Kidney                     | 13.8  | Ovary                      | 9.4   |
| Rectum                     | 11.4  | Thyroid                    | 9.3   |
| Pancreas                   | 7.9   | Kidney                     | 7.4   |
| Brain, nervous system      | 7.1   | Cervix uteri               | 7.3   |
| All sites                  | 363.9 | All sites                  | 292.8 |

## USA, Oklahoma (2003-2007)

| SITE                         | Male       |           |                          |           |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|-----------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 212        | 0.4       | 2.4                      | 1.7       | 0.08                     | 0.21       | 59        | 0.1                      | 0.7       | 0.3                      | 0.02   | 0.04  | C00             |
| Tongue                       | 403        | 0.8       | 4.6                      | 3.4       | 0.27                     | 0.40       | 183       | 0.4                      | 2.0       | 1.4                      | 0.09   | 0.16  | C01-02          |
| Mouth                        | 231        | 0.5       | 2.6                      | 1.9       | 0.13                     | 0.23       | 186       | 0.4                      | 2.1       | 1.1                      | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 155        | 0.3       | 1.8                      | 1.1       | 0.05                     | 0.12       | 88        | 0.2                      | 1.0       | 0.6                      | 0.05   | 0.06  | C07-08          |
| Tonsil                       | 250        | 0.5       | 2.9                      | 2.2       | 0.18                     | 0.25       | 65        | 0.2                      | 0.7       | 0.5                      | 0.04   | 0.06  | C09             |
| Other oropharynx             | 57         | 0.1       | 0.7                      | 0.5       | 0.03                     | 0.06       | 23        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 68         | 0.1       | 0.8                      | 0.6       | 0.04                     | 0.06       | 36        | 0.1                      | 0.4       | 0.3                      | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 111        | 0.2       | 1.3                      | 0.9       | 0.05                     | 0.12       | 22        | 0.1                      | 0.2       | 0.2                      | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 48         | 0.1       | 0.5                      | 0.4       | 0.02                     | 0.05       | 11        | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 719        | 1.5       | 8.2                      | 5.7       | 0.34                     | 0.74       | 175       | 0.4                      | 1.9       | 1.0                      | 0.05   | 0.14  | C15             |
| Stomach                      | 676        | 1.4       | 7.7                      | 5.2       | 0.26                     | 0.64       | 423       | 1.0                      | 4.7       | 2.5                      | 0.13   | 0.28  | C16             |
| Small intestine              | 193        | 0.4       | 2.2                      | 1.5       | 0.07                     | 0.17       | 186       | 0.4                      | 2.1       | 1.3                      | 0.08   | 0.15  | C17             |
| Colon                        | 3314       | 7.0       | 37.9                     | 24.6      | 1.20                     | 2.82       | 3449      | 8.0                      | 38.4      | 20.0                     | 1.03   | 2.29  | C18             |
| Rectum                       | 1459       | 3.1       | 16.7                     | 11.8      | 0.73                     | 1.42       | 1131      | 2.6                      | 12.6      | 7.4                      | 0.46   | 0.86  | C19-20          |
| Anus                         | 116        | 0.2       | 1.3                      | 1.0       | 0.07                     | 0.12       | 210       | 0.5                      | 2.3       | 1.6                      | 0.11   | 0.18  | C21             |
| Liver                        | 757        | 1.6       | 8.7                      | 6.2       | 0.40                     | 0.71       | 348       | 0.8                      | 3.9       | 2.1                      | 0.11   | 0.22  | C22             |
| Gallbladder etc.             | 195        | 0.4       | 2.2                      | 1.5       | 0.07                     | 0.19       | 249       | 0.6                      | 2.8       | 1.4                      | 0.07   | 0.16  | C23-24          |
| Pancreas                     | 1051       | 2.2       | 12.0                     | 8.0       | 0.42                     | 0.97       | 1049      | 2.4                      | 11.7      | 6.0                      | 0.30   | 0.71  | C25             |
| Nose, sinuses etc.           | 89         | 0.2       | 1.0                      | 0.7       | 0.04                     | 0.08       | 60        | 0.1                      | 0.7       | 0.4                      | 0.02   | 0.04  | C30-31          |
| Larynx                       | 636        | 1.3       | 7.3                      | 5.2       | 0.32                     | 0.68       | 199       | 0.5                      | 2.2       | 1.5                      | 0.11   | 0.18  | C32             |
| Trachea, bronchus and lung   | 8753       | 18.5      | 100.1                    | 66.8      | 3.15                     | 8.51       | 6790      | 15.7                     | 75.5      | 43.5                     | 2.29   | 5.66  | C33-34          |
| Other thoracic organs        | 34         | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.03       | 27        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 110        | 0.2       | 1.3                      | 1.2       | 0.07                     | 0.10       | 89        | 0.2                      | 1.0       | 0.9                      | 0.05   | 0.08  | C40-41          |
| Melanoma of skin             | 1947       | 4.1       | 22.3                     | 15.8      | 0.91                     | 1.79       | 1465      | 3.4                      | 16.3      | 11.7                     | 0.85   | 1.16  | C43             |
| Other skin                   | 154        | 0.3       | 1.8                      | 1.2       | 0.06                     | 0.12       | 117       | 0.3                      | 1.3       | 0.8                      | 0.05   | 0.09  | C44             |
| Mesothelioma                 | 133        | 0.3       | 1.5                      | 1.0       | 0.04                     | 0.12       | 34        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 32         | 0.1       | 0.4                      | 0.3       | 0.02                     | 0.02       | 7         | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 300        | 0.6       | 3.4                      | 2.6       | 0.14                     | 0.26       | 263       | 0.6                      | 2.9       | 2.2                      | 0.14   | 0.20  | C47+C49         |
| Breast                       | 86         | 0.2       | 1.0                      | 0.7       | 0.04                     | 0.07       | 12449     | 28.7                     | 138.5     | 89.6                     | 6.26   | 10.48 | C50             |
| Vulva                        |            |           |                          |           |                          |            | 293       | 0.7                      | 3.3       | 2.0                      | 0.14   | 0.22  | C51             |
| Vagina                       |            |           |                          |           |                          |            | 76        | 0.2                      | 0.8       | 0.5                      | 0.03   | 0.06  | C52             |
| Cervix uteri                 |            |           |                          |           |                          |            | 844       | 1.9                      | 9.4       | 7.5                      | 0.59   | 0.74  | C53             |
| Corpus uteri                 |            |           |                          |           |                          |            | 1938      | 4.5                      | 21.6      | 13.8                     | 0.94   | 1.68  | C54             |
| Uterus unspecified           |            |           |                          |           |                          |            | 146       | 0.3                      | 1.6       | 0.9                      | 0.06   | 0.10  | C55             |
| Ovary                        |            |           |                          |           |                          |            | 1364      | 3.1                      | 15.2      | 9.4                      | 0.59   | 1.10  | C56             |
| Other female genital organs  |            |           |                          |           |                          |            | 60        | 0.1                      | 0.7       | 0.4                      | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |           |                          |            | 6         | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.00  | C58             |
| Penis                        | 83         | 0.2       | 0.9                      | 0.7       | 0.03                     | 0.09       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 12908      | 27.2      | 147.7                    | 99.2      | 4.58                     | 13.13      |           |                          |           |                          |        |       | C61             |
| Testis                       | 443        | 0.9       | 5.1                      | 4.7       | 0.36                     | 0.37       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 16         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1747       | 3.7       | 20.0                     | 14.4      | 0.92                     | 1.75       | 1128      | 2.6                      | 12.5      | 7.9                      | 0.49   | 0.90  | C64             |
| Renal pelvis                 | 65         | 0.1       | 0.7                      | 0.5       | 0.02                     | 0.06       | 55        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.04  | C65             |
| Ureter                       | 49         | 0.1       | 0.6                      | 0.3       | 0.01                     | 0.03       | 33        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.02  | C66             |
| Bladder                      | 2875       | 6.1       | 32.9                     | 20.8      | 0.83                     | 2.45       | 936       | 2.2                      | 10.4      | 5.3                      | 0.23   | 0.63  | C67             |
| Other urinary organs         | 19         | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01       | 18        | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C68             |
| Eye                          | 100        | 0.2       | 1.1                      | 0.9       | 0.05                     | 0.09       | 81        | 0.2                      | 0.9       | 0.6                      | 0.03   | 0.07  | C69             |
| Brain, nervous system        | 730        | 1.5       | 8.4                      | 6.9       | 0.44                     | 0.69       | 621       | 1.4                      | 6.9       | 5.1                      | 0.32   | 0.47  | C70-72          |
| Thyroid                      | 282        | 0.6       | 3.2                      | 2.5       | 0.17                     | 0.28       | 1013      | 2.3                      | 11.3      | 9.1                      | 0.68   | 0.89  | C73             |
| Adrenal gland                | 36         | 0.1       | 0.4                      | 0.5       | 0.02                     | 0.03       | 40        | 0.1                      | 0.4       | 0.4                      | 0.02   | 0.03  | C74             |
| Other endocrine              | 17         | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01       | 15        | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 262        | 0.6       | 3.0                      | 2.6       | 0.18                     | 0.23       | 211       | 0.5                      | 2.3       | 2.1                      | 0.15   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 1920       | 4.0       | 22.0                     | 15.4      | 0.86                     | 1.72       | 1864      | 4.3                      | 20.7      | 12.1                     | 0.66   | 1.42  | C82-85,C96      |
| Immunoproliferative diseases | 28         | 0.1       | 0.3                      | 0.2       | 0.01                     | 0.02       | 23        | 0.1                      | 0.3       | 0.1                      | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 627        | 1.3       | 7.2                      | 4.8       | 0.23                     | 0.59       | 515       | 1.2                      | 5.7       | 3.1                      | 0.16   | 0.38  | C90             |
| Lymphoid leukaemia           | 775        | 1.6       | 8.9                      | 6.8       | 0.31                     | 0.68       | 548       | 1.3                      | 6.1       | 3.8                      | 0.19   | 0.37  | C91             |
| Myeloid leukaemia            | 646        | 1.4       | 7.4                      | 5.2       | 0.27                     | 0.53       | 493       | 1.1                      | 5.5       | 3.5                      | 0.21   | 0.34  | C92-94          |
| Leukaemia unspecified        | 198        | 0.4       | 2.3                      | 1.4       | 0.06                     | 0.15       | 254       | 0.6                      | 2.8       | 1.6                      | 0.09   | 0.15  | C95             |
| Myeloproliferative disorders | 275        | 0.6       | 3.1                      | 2.2       | 0.14                     | 0.24       | 273       | 0.6                      | 3.0       | 1.7                      | 0.09   | 0.20  | MPD             |
| Myelodysplastic syndromes    | 286        | 0.6       | 3.3                      | 1.9       | 0.05                     | 0.20       | 215       | 0.5                      | 2.4       | 1.1                      | 0.04   | 0.13  | MDS             |
| Other and unspecified        | 897        | 1.9       | 10.3                     | 6.9       | 0.36                     | 0.79       | 979       | 2.3                      | 10.9      | 5.9                      | 0.32   | 0.69  | O&U             |
| All sites                    | 47573      |           | 544.2                    | 373.0     | 19.16                    | 45.24      | 43435     |                          | 483.1     | 297.8                    | 18.52  | 34.36 | C00-96          |
| All sites except C44         | 47419      | 100.0     | 542.4                    | 371.8     | 19.11                    | 45.12      | 43318     | 100.0                    | 481.8     | 297.0                    | 18.47  | 34.27 | C00-96 exc. C44 |

§Includes 3 cases of unknown age

§Includes 1 case of unknown age

## USA, Oklahoma: American Indian (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 11        | 0.3       | 1.4                      | <b>1.4</b>   | 0.08                     | 0.23      | 4         | 0.1                      | 0.5       | <b>0.4</b>               | 0.01   | 0.07  | C00             |
| Tongue                       | 22        | 0.7       | 2.8                      | <b>2.6</b>   | 0.17                     | 0.24      | 9         | 0.3                      | 1.1       | <b>1.0</b>               | 0.07   | 0.13  | C01-02          |
| Mouth                        | 21        | 0.6       | 2.6                      | <b>2.7</b>   | 0.22                     | 0.30      | 13        | 0.4                      | 1.6       | <b>1.2</b>               | 0.09   | 0.12  | C03-06          |
| Salivary glands              | 7         | 0.2       | 0.9                      | <b>0.9</b>   | 0.03                     | 0.13      | 6         | 0.2                      | 0.7       | <b>0.7</b>               | 0.06   | 0.08  | C07-08          |
| Tonsil                       | 18        | 0.5       | 2.3                      | <b>2.3</b>   | 0.21                     | 0.21      | 4         | 0.1                      | 0.5       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 5         | 0.2       | 0.6                      | <b>0.6</b>   | 0.05                     | 0.09      | 3         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C10             |
| Nasopharynx                  | 3         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.06      | 6         | 0.2                      | 0.7       | <b>0.7</b>               | 0.05   | 0.07  | C11             |
| Hypopharynx                  | 7         | 0.2       | 0.9                      | <b>0.9</b>   | 0.02                     | 0.12      | 3         | 0.1                      | 0.4       | <b>0.4</b>               | 0.00   | 0.07  | C12-13          |
| Pharynx unspecified          | 10        | 0.3       | 1.3                      | <b>1.4</b>   | 0.03                     | 0.18      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 45        | 1.4       | 5.7                      | <b>5.7</b>   | 0.40                     | 0.73      | 6         | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.07  | C15             |
| Stomach                      | 71        | 2.2       | 9.0                      | <b>9.4</b>   | 0.46                     | 1.19      | 41        | 1.2                      | 5.0       | <b>4.2</b>               | 0.26   | 0.44  | C16             |
| Small intestine              | 9         | 0.3       | 1.1                      | <b>1.2</b>   | 0.07                     | 0.17      | 12        | 0.4                      | 1.5       | <b>1.3</b>               | 0.04   | 0.17  | C17             |
| Colon                        | 268       | 8.2       | 33.8                     | <b>34.6</b>  | 1.70                     | 4.21      | 282       | 8.3                      | 34.4      | <b>28.9</b>              | 1.46   | 3.40  | C18             |
| Rectum                       | 122       | 3.7       | 15.4                     | <b>15.5</b>  | 0.94                     | 1.78      | 110       | 3.2                      | 13.4      | <b>12.0</b>              | 0.79   | 1.43  | C19-20          |
| Anus                         | 7         | 0.2       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.10      | 25        | 0.7                      | 3.1       | <b>2.9</b>               | 0.23   | 0.33  | C21             |
| Liver                        | 89        | 2.7       | 11.2                     | <b>11.7</b>  | 0.73                     | 1.52      | 51        | 1.5                      | 6.2       | <b>4.7</b>               | 0.30   | 0.48  | C22             |
| Gallbladder etc.             | 23        | 0.7       | 2.9                      | <b>2.9</b>   | 0.14                     | 0.37      | 31        | 0.9                      | 3.8       | <b>2.9</b>               | 0.10   | 0.37  | C23-24          |
| Pancreas                     | 68        | 2.1       | 8.6                      | <b>8.6</b>   | 0.34                     | 1.09      | 84        | 2.5                      | 10.3      | <b>8.6</b>               | 0.41   | 1.17  | C25             |
| Nose, sinuses etc.           | 7         | 0.2       | 0.9                      | <b>0.9</b>   | 0.04                     | 0.13      | 6         | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C30-31          |
| Larynx                       | 54        | 1.6       | 6.8                      | <b>7.0</b>   | 0.39                     | 0.90      | 16        | 0.5                      | 2.0       | <b>1.9</b>               | 0.15   | 0.25  | C32             |
| Trachea, bronchus and lung   | 637       | 19.4      | 80.4                     | <b>82.5</b>  | 3.88                     | 10.70     | 532       | 15.7                     | 64.9      | <b>56.5</b>              | 3.07   | 7.21  | C33-34          |
| Other thoracic organs        | 3         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03      | 4         | 0.1                      | 0.5       | <b>0.5</b>               | 0.03   | 0.05  | C37-38          |
| Bone                         | 9         | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.10      | 11        | 0.3                      | 1.3       | <b>1.3</b>               | 0.09   | 0.11  | C40-41          |
| Melanoma of skin             | 68        | 2.1       | 8.6                      | <b>8.5</b>   | 0.56                     | 0.88      | 74        | 2.2                      | 9.0       | <b>8.1</b>               | 0.54   | 0.78  | C43             |
| Other skin                   | 16        | 0.5       | 2.0                      | <b>1.9</b>   | 0.10                     | 0.19      | 6         | 0.2                      | 0.7       | <b>0.5</b>               | 0.02   | 0.05  | C44             |
| Mesothelioma                 | 8         | 0.2       | 1.0                      | <b>1.1</b>   | 0.06                     | 0.19      | 3         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 5         | 0.2       | 0.6                      | <b>0.6</b>   | 0.02                     | 0.05      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 19        | 0.6       | 2.4                      | <b>2.4</b>   | 0.18                     | 0.28      | 34        | 1.0                      | 4.1       | <b>4.0</b>               | 0.21   | 0.39  | C47+C49         |
| Breast                       | 5         | 0.2       | 0.6                      | <b>0.6</b>   | 0.07                     | 0.07      | 855       | 25.2                     | 104.3     | <b>93.7</b>              | 6.66   | 10.88 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 19        | 0.6                      | 2.3       | <b>2.2</b>               | 0.19   | 0.24  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 8         | 0.2                      | 1.0       | <b>0.8</b>               | 0.03   | 0.14  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 95        | 2.8                      | 11.6      | <b>10.5</b>              | 0.84   | 1.00  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 165       | 4.9                      | 20.1      | <b>18.1</b>              | 1.27   | 2.15  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 14        | 0.4                      | 1.7       | <b>1.5</b>               | 0.12   | 0.14  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 109       | 3.2                      | 13.3      | <b>11.6</b>              | 0.72   | 1.32  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 7         | 0.2                      | 0.9       | <b>0.9</b>               | 0.07   | 0.09  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 10        | 0.3       | 1.3                      | <b>1.3</b>   | 0.03                     | 0.16      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 762       | 23.2      | 96.1                     | <b>101.0</b> | 4.64                     | 13.64     |           |                          |           |                          |        |       | C61             |
| Testis                       | 47        | 1.4       | 5.9                      | <b>5.6</b>   | 0.39                     | 0.44      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 181       | 5.5       | 22.8                     | <b>23.2</b>  | 1.52                     | 2.82      | 146       | 4.3                      | 17.8      | <b>15.8</b>              | 1.04   | 1.79  | C64             |
| Renal pelvis                 | 3         | 0.1       | 0.4                      | <b>0.4</b>   | 0.00                     | 0.06      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.02  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C66             |
| Bladder                      | 144       | 4.4       | 18.2                     | <b>18.2</b>  | 0.80                     | 2.15      | 46        | 1.4                      | 5.6       | <b>3.9</b>               | 0.14   | 0.39  | C67             |
| Other urinary organs         | 2         | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                     | 0.04      | 4         | 0.1                      | 0.5       | <b>0.4</b>               | 0.00   | 0.05  | C68             |
| Eye                          | 5         | 0.2       | 0.6                      | <b>0.7</b>   | 0.03                     | 0.09      | 4         | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.05  | C69             |
| Brain, nervous system        | 53        | 1.6       | 6.7                      | <b>6.7</b>   | 0.48                     | 0.61      | 53        | 1.6                      | 6.5       | <b>5.8</b>               | 0.32   | 0.47  | C70-72          |
| Thyroid                      | 17        | 0.5       | 2.1                      | <b>2.2</b>   | 0.17                     | 0.27      | 97        | 2.9                      | 11.8      | <b>11.0</b>              | 0.78   | 1.13  | C73             |
| Adrenal gland                | 1         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 4         | 0.1                      | 0.5       | <b>0.5</b>               | 0.03   | 0.06  | C74             |
| Other endocrine              | 3         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.02      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 20        | 0.6       | 2.5                      | <b>2.4</b>   | 0.17                     | 0.17      | 13        | 0.4                      | 1.6       | <b>1.6</b>               | 0.10   | 0.12  | C81             |
| Non-Hodgkin lymphoma         | 139       | 4.2       | 17.5                     | <b>17.8</b>  | 1.03                     | 1.95      | 134       | 3.9                      | 16.4      | <b>14.0</b>              | 0.68   | 1.71  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C88             |
| Multiple myeloma             | 42        | 1.3       | 5.3                      | <b>5.4</b>   | 0.28                     | 0.72      | 40        | 1.2                      | 4.9       | <b>4.2</b>               | 0.25   | 0.51  | C90             |
| Lymphoid leukaemia           | 61        | 1.9       | 7.7                      | <b>7.9</b>   | 0.46                     | 0.76      | 44        | 1.3                      | 5.4       | <b>4.4</b>               | 0.19   | 0.40  | C91             |
| Myeloid leukaemia            | 42        | 1.3       | 5.3                      | <b>5.4</b>   | 0.29                     | 0.58      | 39        | 1.1                      | 4.8       | <b>4.1</b>               | 0.30   | 0.38  | C92-94          |
| Leukaemia unspecified        | 17        | 0.5       | 2.1                      | <b>2.2</b>   | 0.12                     | 0.30      | 13        | 0.4                      | 1.6       | <b>1.3</b>               | 0.09   | 0.11  | C95             |
| Myeloproliferative disorders | 15        | 0.5       | 1.9                      | <b>1.8</b>   | 0.10                     | 0.17      | 16        | 0.5                      | 2.0       | <b>1.9</b>               | 0.11   | 0.25  | MPD             |
| Myelodysplastic syndromes    | 23        | 0.7       | 2.9                      | <b>2.8</b>   | 0.05                     | 0.27      | 12        | 0.4                      | 1.5       | <b>1.4</b>               | 0.03   | 0.27  | MDS             |
| Other and unspecified        | 79        | 2.4       | 10.0                     | <b>10.6</b>  | 0.52                     | 1.36      | 77        | 2.3                      | 9.4       | <b>7.2</b>               | 0.33   | 0.82  | O&U             |
| All sites                    | 3303      |           | 416.8                    | <b>426.9</b> | 22.19                    | 52.82     | 3399      |                          | 414.8     | <b>363.3</b>             | 22.48  | 41.98 | C00-96          |
| All sites except C44         | 3287      | 100.0     | 414.8                    | <b>425.0</b> | 22.09                    | 52.63     | 3393      | 100.0                    | 414.1     | <b>362.8</b>             | 22.46  | 41.93 | C00-96 exc. C44 |



## USA, Oklahoma: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 4         | 0.2       | 0.5                      | <b>0.7</b>   | 0.05                     | 0.10      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 14        | 0.5       | 1.9                      | <b>1.9</b>   | 0.11                     | 0.23      | 10        | 0.4                      | 1.3       | <b>1.2</b>               | 0.06   | 0.14  | C01-02          |
| Mouth                        | 16        | 0.6       | 2.2                      | <b>2.7</b>   | 0.18                     | 0.37      | 14        | 0.6                      | 1.9       | <b>1.7</b>               | 0.11   | 0.17  | C03-06          |
| Salivary glands              | 5         | 0.2       | 0.7                      | <b>0.7</b>   | 0.06                     | 0.06      | 6         | 0.3                      | 0.8       | <b>0.8</b>               | 0.07   | 0.07  | C07-08          |
| Tonsil                       | 9         | 0.3       | 1.2                      | <b>1.4</b>   | 0.10                     | 0.17      | 4         | 0.2                      | 0.5       | <b>0.4</b>               | 0.02   | 0.06  | C09             |
| Other oropharynx             | 6         | 0.2       | 0.8                      | <b>1.0</b>   | 0.03                     | 0.16      | 1         | 0.0                      | 0.1       | <b>0.2</b>               | 0.02   | 0.02  | C10             |
| Nasopharynx                  | 8         | 0.3       | 1.1                      | <b>1.2</b>   | 0.08                     | 0.12      | 5         | 0.2                      | 0.7       | <b>0.6</b>               | 0.03   | 0.03  | C11             |
| Hypopharynx                  | 6         | 0.2       | 0.8                      | <b>1.2</b>   | 0.07                     | 0.17      | 1         | 0.0                      | 0.1       | <b>0.2</b>               | 0.00   | 0.03  | C12-13          |
| Pharynx unspecified          | 4         | 0.2       | 0.5                      | <b>0.6</b>   | 0.04                     | 0.09      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 44        | 1.7       | 6.0                      | <b>7.3</b>   | 0.33                     | 0.95      | 17        | 0.7                      | 2.3       | <b>2.0</b>               | 0.13   | 0.25  | C15             |
| Stomach                      | 54        | 2.0       | 7.4                      | <b>8.2</b>   | 0.36                     | 0.90      | 49        | 2.1                      | 6.6       | <b>5.5</b>               | 0.25   | 0.63  | C16             |
| Small intestine              | 9         | 0.3       | 1.2                      | <b>1.5</b>   | 0.09                     | 0.20      | 19        | 0.8                      | 2.5       | <b>2.3</b>               | 0.16   | 0.28  | C17             |
| Colon                        | 203       | 7.7       | 27.7                     | <b>31.9</b>  | 1.65                     | 3.82      | 244       | 10.3                     | 32.6      | <b>27.4</b>              | 1.54   | 3.10  | C18             |
| Rectum                       | 74        | 2.8       | 10.1                     | <b>11.3</b>  | 0.72                     | 1.35      | 48        | 2.0                      | 6.4       | <b>5.6</b>               | 0.30   | 0.74  | C19-20          |
| Anus                         | 7         | 0.3       | 1.0                      | <b>1.0</b>   | 0.02                     | 0.10      | 10        | 0.4                      | 1.3       | <b>1.1</b>               | 0.08   | 0.11  | C21             |
| Liver                        | 57        | 2.2       | 7.8                      | <b>8.5</b>   | 0.73                     | 0.96      | 23        | 1.0                      | 3.1       | <b>2.5</b>               | 0.13   | 0.21  | C22             |
| Gallbladder etc.             | 10        | 0.4       | 1.4                      | <b>1.6</b>   | 0.14                     | 0.14      | 16        | 0.7                      | 2.1       | <b>1.7</b>               | 0.10   | 0.19  | C23-24          |
| Pancreas                     | 64        | 2.4       | 8.7                      | <b>9.7</b>   | 0.59                     | 1.13      | 95        | 4.0                      | 12.7      | <b>11.1</b>              | 0.65   | 1.33  | C25             |
| Nose, sinuses etc.           | 4         | 0.2       | 0.5                      | <b>0.6</b>   | 0.04                     | 0.04      | 6         | 0.3                      | 0.8       | <b>0.7</b>               | 0.06   | 0.06  | C30-31          |
| Larynx                       | 41        | 1.6       | 5.6                      | <b>6.4</b>   | 0.40                     | 0.80      | 15        | 0.6                      | 2.0       | <b>1.9</b>               | 0.12   | 0.24  | C32             |
| Trachea, bronchus and lung   | 497       | 18.8      | 67.8                     | <b>80.1</b>  | 4.12                     | 10.26     | 327       | 13.9                     | 43.7      | <b>39.8</b>              | 2.13   | 5.19  | C33-34          |
| Other thoracic organs        | 3         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.02      | 3         | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.01  | C37-38          |
| Bone                         | 12        | 0.5       | 1.6                      | <b>1.6</b>   | 0.10                     | 0.13      | 6         | 0.3                      | 0.8       | <b>0.9</b>               | 0.06   | 0.08  | C40-41          |
| Melanoma of skin             | 11        | 0.4       | 1.5                      | <b>1.6</b>   | 0.04                     | 0.07      | 7         | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.05  | C43             |
| Other skin                   | 4         | 0.2       | 0.5                      | <b>0.5</b>   | 0.04                     | 0.04      | 10        | 0.4                      | 1.3       | <b>1.3</b>               | 0.08   | 0.14  | C44             |
| Mesothelioma                 | 7         | 0.3       | 1.0                      | <b>1.0</b>   | 0.04                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 3         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.03      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 18        | 0.7       | 2.5                      | <b>2.5</b>   | 0.18                     | 0.25      | 20        | 0.8                      | 2.7       | <b>2.6</b>               | 0.18   | 0.27  | C47+C49         |
| Breast                       | 7         | 0.3       | 1.0                      | <b>1.1</b>   | 0.05                     | 0.19      | 705       | 29.9                     | 94.3      | <b>86.7</b>              | 6.03   | 10.18 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 8         | 0.3                      | 1.1       | <b>1.0</b>               | 0.03   | 0.12  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 4         | 0.2                      | 0.5       | <b>0.4</b>               | 0.02   | 0.02  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 47        | 2.0                      | 6.3       | <b>5.9</b>               | 0.47   | 0.57  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 97        | 4.1                      | 13.0      | <b>11.9</b>              | 0.68   | 1.48  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 8         | 0.3                      | 1.1       | <b>0.8</b>               | 0.04   | 0.07  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 48        | 2.0                      | 6.4       | <b>5.8</b>               | 0.32   | 0.71  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 3         | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 947       | 35.8      | 129.2                    | <b>156.5</b> | 7.91                     | 20.54     |           |                          |           |                          |        |       | C61             |
| Testis                       | 11        | 0.4       | 1.5                      | <b>1.4</b>   | 0.10                     | 0.10      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 2         | 0.1       | 0.3                      | <b>0.3</b>   | 0.00                     | 0.03      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 83        | 3.1       | 11.3                     | <b>12.9</b>  | 0.83                     | 1.63      | 57        | 2.4                      | 7.6       | <b>7.0</b>               | 0.41   | 0.88  | C64             |
| Renal pelvis                 | 2         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.06      | 2         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.05  | C65             |
| Ureter                       | 2         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.06      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 72        | 2.7       | 9.8                      | <b>10.8</b>  | 0.50                     | 1.20      | 41        | 1.7                      | 5.5       | <b>4.8</b>               | 0.21   | 0.54  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 4         | 0.2                      | 0.5       | <b>0.4</b>               | 0.02   | 0.02  | C68             |
| Eye                          | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 2         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 36        | 1.4       | 4.9                      | <b>5.3</b>   | 0.41                     | 0.49      | 35        | 1.5                      | 4.7       | <b>4.5</b>               | 0.26   | 0.45  | C70-72          |
| Thyroid                      | 10        | 0.4       | 1.4                      | <b>1.5</b>   | 0.09                     | 0.21      | 45        | 1.9                      | 6.0       | <b>5.7</b>               | 0.44   | 0.65  | C73             |
| Adrenal gland                | 1         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 4         | 0.2                      | 0.5       | <b>0.6</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 2         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.01      | 3         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 22        | 0.8       | 3.0                      | <b>3.1</b>   | 0.21                     | 0.32      | 8         | 0.3                      | 1.1       | <b>1.0</b>               | 0.06   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 61        | 2.3       | 8.3                      | <b>9.0</b>   | 0.62                     | 1.02      | 72        | 3.1                      | 9.6       | <b>9.5</b>               | 0.66   | 1.10  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.05  | C88             |
| Multiple myeloma             | 58        | 2.2       | 7.9                      | <b>9.0</b>   | 0.44                     | 0.99      | 74        | 3.1                      | 9.9       | <b>8.6</b>               | 0.44   | 1.07  | C90             |
| Lymphoid leukaemia           | 21        | 0.8       | 2.9                      | <b>3.2</b>   | 0.14                     | 0.40      | 26        | 1.1                      | 3.5       | <b>3.3</b>               | 0.20   | 0.31  | C91             |
| Myeloid leukaemia            | 34        | 1.3       | 4.6                      | <b>5.2</b>   | 0.29                     | 0.52      | 23        | 1.0                      | 3.1       | <b>2.9</b>               | 0.21   | 0.30  | C92-94          |
| Leukaemia unspecified        | 5         | 0.2       | 0.7                      | <b>0.8</b>   | 0.02                     | 0.09      | 17        | 0.7                      | 2.3       | <b>2.2</b>               | 0.16   | 0.19  | C95             |
| Myeloproliferative disorders | 17        | 0.6       | 2.3                      | <b>2.5</b>   | 0.13                     | 0.30      | 9         | 0.4                      | 1.2       | <b>1.0</b>               | 0.06   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 7         | 0.3       | 1.0                      | <b>1.0</b>   | 0.04                     | 0.14      | 10        | 0.4                      | 1.3       | <b>0.9</b>               | 0.00   | 0.09  | MDS             |
| Other and unspecified        | 50        | 1.9       | 6.8                      | <b>7.7</b>   | 0.36                     | 0.98      | 56        | 2.4                      | 7.5       | <b>6.4</b>               | 0.30   | 0.74  | O&U             |
| All sites                    | 2648      |           | 361.3                    | <b>420.3</b> | 22.54                    | 52.12     | 2370      |                          | 317.0     | <b>285.7</b>             | 17.49  | 33.30 | C00-96          |
| All sites except C44         | 2644      | 100.0     | 360.7                    | <b>419.8</b> | 22.50                    | 52.08     | 2360      | 100.0                    | 315.7     | <b>284.4</b>             | 17.42  | 33.16 | C00-96 exc. C44 |

## USA, Oklahoma: White (2003-2007)

| SITE                         | Male       |           |                          |           |                     | Female              |           |           |                          |           | ICD-10 |                     |                     |
|------------------------------|------------|-----------|--------------------------|-----------|---------------------|---------------------|-----------|-----------|--------------------------|-----------|--------|---------------------|---------------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 194        | 0.5       | 2.7                      | 1.7       | 0.08                | 0.22                | 52        | 0.1       | 0.7                      | 0.3       | 0.02   | 0.04                | C00                 |
| Tongue                       | 361        | 0.9       | 5.1                      | 3.6       | 0.29                | 0.43                | 160       | 0.4       | 2.2                      | 1.4       | 0.09   | 0.16                | C01-02              |
| Mouth                        | 191        | 0.5       | 2.7                      | 1.8       | 0.12                | 0.21                | 158       | 0.4       | 2.2                      | 1.0       | 0.05   | 0.13                | C03-06              |
| Salivary glands              | 140        | 0.3       | 2.0                      | 1.2       | 0.05                | 0.13                | 74        | 0.2       | 1.0                      | 0.6       | 0.04   | 0.06                | C07-08              |
| Tonsil                       | 220        | 0.5       | 3.1                      | 2.2       | 0.19                | 0.25                | 55        | 0.1       | 0.8                      | 0.5       | 0.04   | 0.06                | C09                 |
| Other oropharynx             | 46         | 0.1       | 0.7                      | 0.4       | 0.03                | 0.05                | 19        | 0.1       | 0.3                      | 0.1       | 0.01   | 0.02                | C10                 |
| Nasopharynx                  | 48         | 0.1       | 0.7                      | 0.5       | 0.03                | 0.05                | 25        | 0.1       | 0.3                      | 0.2       | 0.01   | 0.02                | C11                 |
| Hypopharynx                  | 97         | 0.2       | 1.4                      | 0.9       | 0.06                | 0.12                | 18        | 0.0       | 0.2                      | 0.1       | 0.01   | 0.01                | C12-13              |
| Pharynx unspecified          | 33         | 0.1       | 0.5                      | 0.3       | 0.02                | 0.03                | 10        | 0.0       | 0.1                      | 0.1       | 0.00   | 0.01                | C14                 |
| Oesophagus                   | 624        | 1.5       | 8.8                      | 5.6       | 0.34                | 0.73                | 152       | 0.4       | 2.1                      | 1.0       | 0.05   | 0.14                | C15                 |
| Stomach                      | 535        | 1.3       | 7.6                      | 4.6       | 0.22                | 0.57                | 318       | 0.9       | 4.4                      | 2.1       | 0.11   | 0.24                | C16                 |
| Small intestine              | 174        | 0.4       | 2.5                      | 1.5       | 0.07                | 0.17                | 151       | 0.4       | 2.1                      | 1.2       | 0.07   | 0.14                | C17                 |
| Colon                        | 2806       | 6.9       | 39.7                     | 23.4      | 1.13                | 2.65                | 2885      | 7.8       | 39.7                     | 18.7      | 0.94   | 2.14                | C18                 |
| Rectum                       | 1240       | 3.0       | 17.6                     | 11.4      | 0.71                | 1.38                | 942       | 2.5       | 13.0                     | 7.1       | 0.43   | 0.82                | C19-20              |
| Anus                         | 102        | 0.3       | 1.4                      | 1.0       | 0.07                | 0.12                | 173       | 0.5       | 2.4                      | 1.5       | 0.11   | 0.18                | C21                 |
| Liver                        | 588        | 1.4       | 8.3                      | 5.4       | 0.33                | 0.61                | 259       | 0.7       | 3.6                      | 1.8       | 0.09   | 0.19                | C22                 |
| Gallbladder etc.             | 161        | 0.4       | 2.3                      | 1.4       | 0.06                | 0.18                | 202       | 0.5       | 2.8                      | 1.3       | 0.07   | 0.14                | C23-24              |
| Pancreas                     | 908        | 2.2       | 12.9                     | 7.9       | 0.41                | 0.95                | 858       | 2.3       | 11.8                     | 5.4       | 0.26   | 0.64                | C25                 |
| Nose, sinuses etc.           | 75         | 0.2       | 1.1                      | 0.7       | 0.04                | 0.08                | 47        | 0.1       | 0.6                      | 0.3       | 0.01   | 0.03                | C30-31              |
| Larynx                       | 537        | 1.3       | 7.6                      | 5.0       | 0.31                | 0.66                | 166       | 0.4       | 2.3                      | 1.4       | 0.10   | 0.18                | C32                 |
| Trachea, bronchus and lung   | 7562       | 18.6      | 107.1                    | 65.0      | 3.04                | 8.28                | 5878      | 15.9      | 81.0                     | 42.9      | 2.25   | 5.58                | C33-34              |
| Other thoracic organs        | 27         | 0.1       | 0.4                      | 0.3       | 0.01                | 0.03                | 20        | 0.1       | 0.3                      | 0.2       | 0.01   | 0.02                | C37-38              |
| Bone                         | 86         | 0.2       | 1.2                      | 1.1       | 0.07                | 0.10                | 71        | 0.2       | 1.0                      | 0.8       | 0.05   | 0.07                | C40-41              |
| Melanoma of skin             | 1852       | 4.5       | 26.2                     | 17.4      | 1.02                | 1.97                | 1371      | 3.7       | 18.9                     | 13.0      | 0.95   | 1.29                | C43                 |
| Other skin                   | 132        | 0.3       | 1.9                      | 1.2       | 0.06                | 0.12                | 97        | 0.2       | 1.3                      | 0.8       | 0.05   | 0.09                | C44                 |
| Mesothelioma                 | 118        | 0.3       | 1.7                      | 1.0       | 0.04                | 0.12                | 30        | 0.1       | 0.4                      | 0.2       | 0.01   | 0.02                | C45                 |
| Kaposi sarcoma               | 22         | 0.1       | 0.3                      | 0.2       | 0.01                | 0.02                | 5         | 0.0       | 0.1                      | 0.0       | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 256        | 0.6       | 3.6                      | 2.5       | 0.13                | 0.25                | 207       | 0.6       | 2.9                      | 2.0       | 0.13   | 0.17                | C47+C49             |
| Breast                       | 72         | 0.2       | 1.0                      | 0.6       | 0.03                | 0.07                | 10717     | 29.0      | 147.6                    | 89.3      | 6.23   | 10.46               | C50                 |
| Vulva                        |            |           |                          |           |                     |                     | 265       | 0.7       | 3.6                      | 2.1       | 0.14   | 0.23                | C51                 |
| Vagina                       |            |           |                          |           |                     |                     | 64        | 0.2       | 0.9                      | 0.5       | 0.03   | 0.06                | C52                 |
| Cervix uteri                 |            |           |                          |           |                     |                     | 682       | 1.8       | 9.4                      | 7.3       | 0.58   | 0.72                | C53                 |
| Corpus uteri                 |            |           |                          |           |                     |                     | 1651      | 4.5       | 22.7                     | 13.6      | 0.93   | 1.66                | C54                 |
| Uterus unspecified           |            |           |                          |           |                     |                     | 122       | 0.3       | 1.7                      | 0.9       | 0.05   | 0.09                | C55                 |
| Ovary                        |            |           |                          |           |                     |                     | 1192      | 3.2       | 16.4                     | 9.4       | 0.59   | 1.12                | C56                 |
| Other female genital organs  |            |           |                          |           |                     |                     | 50        | 0.1       | 0.7                      | 0.4       | 0.02   | 0.05                | C57                 |
| Placenta                     |            |           |                          |           |                     |                     | 2         | 0.0       | 0.0                      | 0.0       | 0.00   | 0.00                | C58                 |
| Penis                        | 69         | 0.2       | 1.0                      | 0.6       | 0.03                | 0.08                |           |           |                          |           |        |                     | C60                 |
| Prostate                     | 10894      | 26.8      | 154.3                    | 94.5      | 4.32                | 12.54               |           |           |                          |           |        |                     | C61                 |
| Testis                       | 381        | 0.9       | 5.4                      | 5.0       | 0.39                | 0.40                |           |           |                          |           |        |                     | C62                 |
| Other male genital organs    | 14         | 0.0       | 0.2                      | 0.2       | 0.01                | 0.01                |           |           |                          |           |        |                     | C63                 |
| Kidney                       | 1468       | 3.6       | 20.8                     | 13.8      | 0.88                | 1.68                | 921       | 2.5       | 12.7                     | 7.4       | 0.46   | 0.84                | C64                 |
| Renal pelvis                 | 59         | 0.1       | 0.8                      | 0.5       | 0.02                | 0.06                | 51        | 0.1       | 0.7                      | 0.3       | 0.02   | 0.05                | C65                 |
| Ureter                       | 47         | 0.1       | 0.7                      | 0.4       | 0.02                | 0.03                | 31        | 0.1       | 0.4                      | 0.2       | 0.01   | 0.03                | C66                 |
| Bladder                      | 2621       | 6.4       | 37.1                     | 21.3      | 0.85                | 2.53                | 838       | 2.3       | 11.5                     | 5.4       | 0.25   | 0.65                | C67                 |
| Other urinary organs         | 17         | 0.0       | 0.2                      | 0.1       | 0.01                | 0.01                | 10        | 0.0       | 0.1                      | 0.1       | 0.00   | 0.01                | C68                 |
| Eye                          | 94         | 0.2       | 1.3                      | 1.0       | 0.06                | 0.10                | 74        | 0.2       | 1.0                      | 0.7       | 0.04   | 0.07                | C69                 |
| Brain, nervous system        | 633        | 1.6       | 9.0                      | 7.1       | 0.44                | 0.71                | 526       | 1.4       | 7.2                      | 5.1       | 0.33   | 0.48                | C70-72              |
| Thyroid                      | 249        | 0.6       | 3.5                      | 2.6       | 0.18                | 0.29                | 850       | 2.3       | 11.7                     | 9.3       | 0.69   | 0.90                | C73                 |
| Adrenal gland                | 34         | 0.1       | 0.5                      | 0.6       | 0.03                | 0.04                | 32        | 0.1       | 0.4                      | 0.4       | 0.02   | 0.03                | C74                 |
| Other endocrine              | 11         | 0.0       | 0.2                      | 0.2       | 0.01                | 0.01                | 11        | 0.0       | 0.2                      | 0.1       | 0.01   | 0.01                | C75                 |
| Hodgkin lymphoma             | 214        | 0.5       | 3.0                      | 2.6       | 0.18                | 0.22                | 184       | 0.5       | 2.5                      | 2.3       | 0.16   | 0.18                | C81                 |
| Non-Hodgkin lymphoma         | 1690       | 4.2       | 23.9                     | 15.4      | 0.85                | 1.73                | 1626      | 4.4       | 22.4                     | 12.0      | 0.66   | 1.41                | C82-85,C96          |
| Immunoproliferative diseases | 27         | 0.1       | 0.4                      | 0.2       | 0.01                | 0.03                | 18        | 0.0       | 0.2                      | 0.1       | 0.01   | 0.02                | C88                 |
| Multiple myeloma             | 515        | 1.3       | 7.3                      | 4.4       | 0.21                | 0.55                | 389       | 1.1       | 5.4                      | 2.6       | 0.13   | 0.32                | C90                 |
| Lymphoid leukaemia           | 668        | 1.6       | 9.5                      | 6.7       | 0.30                | 0.67                | 469       | 1.3       | 6.5                      | 3.8       | 0.18   | 0.37                | C91                 |
| Myeloid leukaemia            | 556        | 1.4       | 7.9                      | 5.1       | 0.26                | 0.52                | 426       | 1.2       | 5.9                      | 3.4       | 0.20   | 0.34                | C92-94              |
| Leukaemia unspecified        | 159        | 0.4       | 2.3                      | 1.3       | 0.04                | 0.13                | 201       | 0.5       | 2.8                      | 1.4       | 0.07   | 0.13                | C95                 |
| Myeloproliferative disorders | 219        | 0.5       | 3.1                      | 2.0       | 0.13                | 0.22                | 239       | 0.6       | 3.3                      | 1.7       | 0.09   | 0.19                | MPD                 |
| Myelodysplastic syndromes    | 250        | 0.6       | 3.5                      | 1.9       | 0.05                | 0.20                | 182       | 0.5       | 2.5                      | 1.0       | 0.04   | 0.11                | MDS                 |
| Other and unspecified        | 753        | 1.8       | 10.7                     | 6.5       | 0.34                | 0.74                | 815       | 2.2       | 11.2                     | 5.7       | 0.30   | 0.66                | O&U                 |
| All sites                    | 40849      |           | 578.6                    | 363.9     | 18.60               | 44.06               | 37041     |           | 510.1                    | 292.8     | 18.21  | 33.78               | C00-96              |
| All sites except C44         | 40717      | 100.0     | 576.7                    | 362.7     | 18.54               | 43.94               | 36944     | 100.0     | 508.8                    | 292.0     | 18.16  | 33.69               | C00-96 exc. C44     |

§Includes 2 cases of unknown age

# USA, Oregon

## REGISTRATION AREA

The Oregon State Cancer Registry (OSCaR) covers the state of Oregon, in the north-western USA. Approximately 88.6% of residents are White, 3.9% are Asian/Pacific Islander, 2% are African-American, and 1.8% are American Indian/Alaska Native. About 81% of residents live in urban areas.

## CANCER CARE FACILITIES

Cancer care is predominantly provided by 56 hospitals, 18 of which have cancer programmes approved by the American College of Surgeons Commission on Cancer. Additional services are provided by ambulatory surgery centres, free-standing cancer treatment facilities, physicians' offices, and clinics throughout the state.

## REGISTRY STRUCTURE AND METHODS

OSCaR began collecting data in 1996 and is located within the Health Promotion and Chronic Disease Prevention Section of the Oregon Health Authority. It is funded through a cooperative agreement with the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR). Data come from a variety of sources, including hospital cancer registries, ambulatory surgical centres, physicians' offices, outpatient clinics, pathology laboratories, hospital medical records departments, registries in neighbouring states, and death certificate files. Information on patient survival is primarily obtained through regular record linkages with the Oregon death certificate, Social Security Death Index, and National Death Index databases.

## INTERPRETING THE RESULTS

Since the inception of OSCaR, there have been no major changes in the reporting area, case definition, or coding, other than nationwide changes in standard-setting guidelines from the North American Association of Central Cancer Registries (NAACCR). The Oregon Breast and Cervical Cancer Program (BCCP) was established in 1994 to provide low-income, uninsured, and medically underserved residents with access to breast and cervical screening services. The

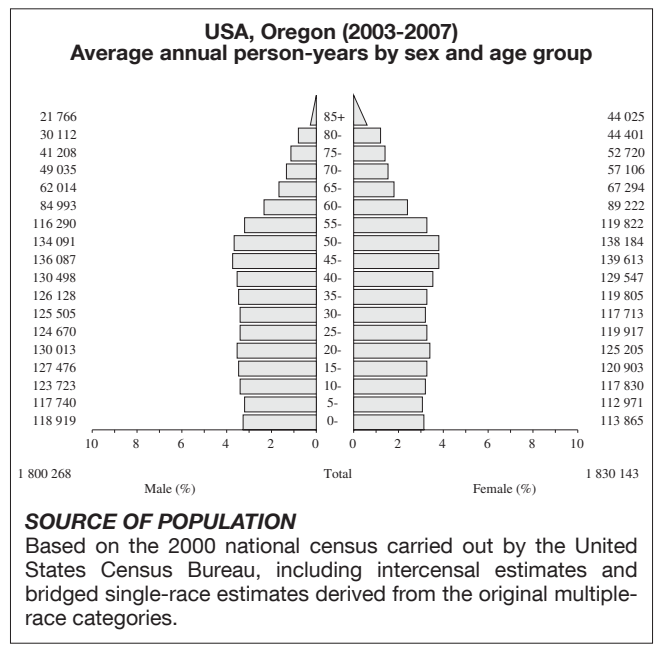
programme enrolls about 15% of the eligible population annually. According to Oregon Behavioral Risk Factor Surveillance System data, in 2011, approximately 75% of Oregon women aged 50–74 years had received mammograms within the previous 2 years, and 58% of Oregonians followed the current colorectal cancer screening recommendations.

## USE OF THE DATA

The registry prepares an annual report on cancer incidence and mortality, highlighting cancer risks and trends. Other cancer control programmes use registry data for planning and evaluation. The registry collaborates with local and national researchers on a variety of special studies designed to reduce the burden of cancer in Oregonians.

## CONTRIBUTORS

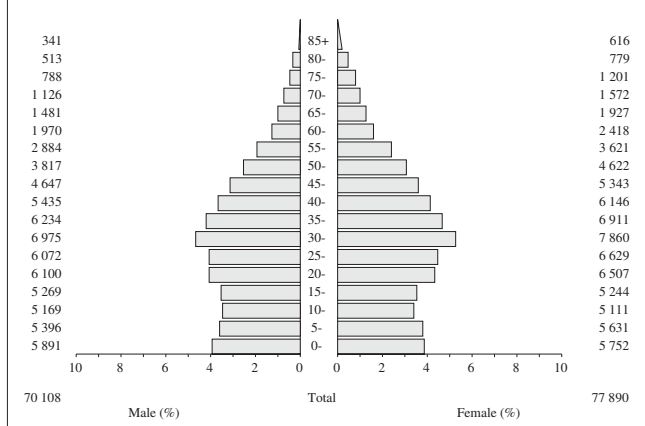
Donald Shipley  
Meena Patil



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 100.3 | Breast                     | 91.6  |
| Trachea, bronchus and lung | 47.1  | Trachea, bronchus and lung | 37.9  |
| Bladder                    | 22.1  | Colon                      | 17.5  |
| Colon                      | 20.8  | Corpus uteri               | 17.5  |
| Melanoma of skin           | 19.0  | Melanoma of skin           | 17.0  |
| Non-Hodgkin lymphoma       | 16.0  | Non-Hodgkin lymphoma       | 11.2  |
| Kidney                     | 11.7  | Thyroid                    | 11.2  |
| Rectum                     | 10.7  | Ovary                      | 9.7   |
| Other and unspecified      | 8.0   | Kidney                     | 6.8   |
| Pancreas                   | 7.7   | Other and unspecified      | 6.3   |
| All sites                  | 346.3 | All sites                  | 294.1 |

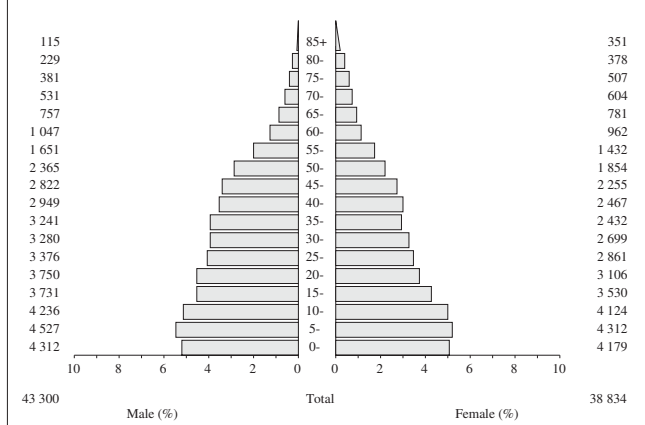
**USA, Oregon: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, OREGON: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 38.4  | Breast                     | 50.9  |
| Trachea, bronchus and lung | 26.4  | Trachea, bronchus and lung | 17.1  |
| Liver                      | 23.0  | Corpus uteri               | 11.3  |
| Colon                      | 11.4  | Colon                      | 10.9  |
| Non-Hodgkin lymphoma       | 10.4  | Thyroid                    | 10.7  |
| Rectum                     | 8.6   | Stomach                    | 7.1   |
| Stomach                    | 7.2   | Rectum                     | 7.0   |
| Pancreas                   | 6.2   | Cervix uteri               | 6.2   |
| Other and unspecified      | 5.7   | Non-Hodgkin lymphoma       | 6.2   |
| Bladder                    | 4.3   | Liver                      | 5.8   |
| All sites                  | 179.8 | All sites                  | 175.5 |

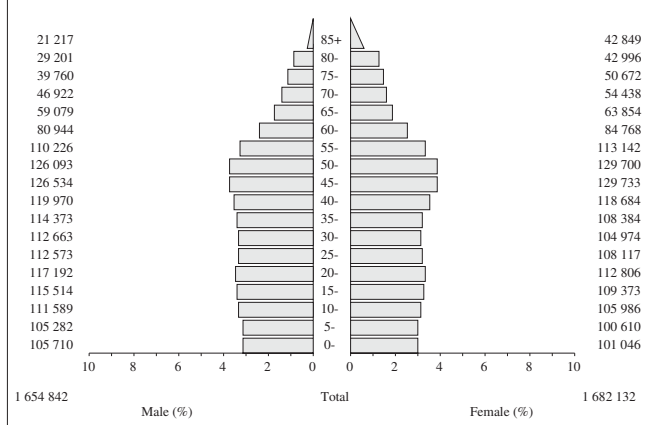
**USA, Oregon: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, OREGON: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 122.3 | Breast                     | 69.4  |
| Trachea, bronchus and lung | 65.8  | Trachea, bronchus and lung | 34.5  |
| Colon                      | 22.9  | Colon                      | 21.8  |
| Kidney                     | 15.7  | Corpus uteri               | 11.0  |
| Liver                      | 10.7  | Kidney                     | 10.4  |
| Bladder                    | 10.5  | Pancreas                   | 8.0   |
| Non-Hodgkin lymphoma       | 10.3  | Non-Hodgkin lymphoma       | 7.8   |
| Pancreas                   | 8.0   | Rectum                     | 7.8   |
| Other and unspecified      | 7.9   | Cervix uteri               | 7.8   |
| Stomach                    | 7.0   | Other and unspecified      | 7.7   |
| All sites                  | 340.3 | All sites                  | 243.2 |

**USA, Oregon: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, OREGON: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 97.5  | Breast                     | 90.5  |
| Trachea, bronchus and lung | 47.0  | Trachea, bronchus and lung | 38.1  |
| Bladder                    | 22.0  | Melanoma of skin           | 18.1  |
| Colon                      | 20.5  | Corpus uteri               | 17.2  |
| Melanoma of skin           | 19.9  | Colon                      | 17.2  |
| Non-Hodgkin lymphoma       | 15.9  | Non-Hodgkin lymphoma       | 10.9  |
| Kidney                     | 11.4  | Thyroid                    | 10.4  |
| Rectum                     | 10.4  | Ovary                      | 9.7   |
| Other and unspecified      | 7.8   | Kidney                     | 6.7   |
| Pancreas                   | 7.6   | Other and unspecified      | 6.3   |
| All sites                  | 342.3 | All sites                  | 291.5 |

## USA, Oregon (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 102       | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.08      | 35        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 453       | 1.0       | 5.0                      | <b>3.5</b>   | 0.25                     | 0.43      | 175       | 0.4                      | 1.9       | <b>1.1</b>               | 0.06   | 0.13  | C01-02          |
| Mouth                        | 249       | 0.5       | 2.8                      | <b>1.9</b>   | 0.11                     | 0.24      | 193       | 0.4                      | 2.1       | <b>1.1</b>               | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 125       | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                     | 0.09      | 67        | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 327       | 0.7       | 3.6                      | <b>2.6</b>   | 0.21                     | 0.30      | 66        | 0.1                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 52        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 30        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 60        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 27        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 69        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                     | 0.07      | 40        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 23        | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 8         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 851       | 1.8       | 9.5                      | <b>6.0</b>   | 0.32                     | 0.74      | 235       | 0.5                      | 2.6       | <b>1.3</b>               | 0.05   | 0.17  | C15             |
| Stomach                      | 625       | 1.3       | 6.9                      | <b>4.4</b>   | 0.20                     | 0.51      | 411       | 0.9                      | 4.5       | <b>2.4</b>               | 0.12   | 0.28  | C16             |
| Small intestine              | 204       | 0.4       | 2.3                      | <b>1.5</b>   | 0.09                     | 0.17      | 163       | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.13  | C17             |
| Colon                        | 3043      | 6.5       | 33.8                     | <b>20.8</b>  | 0.93                     | 2.43      | 3249      | 7.3                      | 35.5      | <b>17.5</b>              | 0.77   | 2.04  | C18             |
| Rectum                       | 1441      | 3.1       | 16.0                     | <b>10.7</b>  | 0.61                     | 1.32      | 1017      | 2.3                      | 11.1      | <b>6.3</b>               | 0.37   | 0.73  | C19-20          |
| Anus                         | 140       | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                     | 0.12      | 237       | 0.5                      | 2.6       | <b>1.6</b>               | 0.12   | 0.19  | C21             |
| Liver                        | 777       | 1.7       | 8.6                      | <b>5.8</b>   | 0.41                     | 0.68      | 333       | 0.7                      | 3.6       | <b>2.1</b>               | 0.13   | 0.24  | C22             |
| Gallbladder etc.             | 193       | 0.4       | 2.1                      | <b>1.3</b>   | 0.06                     | 0.16      | 233       | 0.5                      | 2.5       | <b>1.3</b>               | 0.05   | 0.14  | C23-24          |
| Pancreas                     | 1100      | 2.4       | 12.2                     | <b>7.7</b>   | 0.37                     | 0.93      | 1141      | 2.6                      | 12.5      | <b>6.2</b>               | 0.27   | 0.74  | C25             |
| Nose, sinuses etc.           | 61        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.05      | 42        | 0.1                      | 0.5       | <b>0.2</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 460       | 1.0       | 5.1                      | <b>3.5</b>   | 0.20                     | 0.45      | 152       | 0.3                      | 1.7       | <b>1.0</b>               | 0.07   | 0.14  | C32             |
| Trachea, bronchus and lung   | 6736      | 14.4      | 74.8                     | <b>47.1</b>  | 1.92                     | 5.96      | 6362      | 14.3                     | 69.5      | <b>37.9</b>              | 1.69   | 4.93  | C33-34          |
| Other thoracic organs        | 52        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.04      | 30        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 120       | 0.3       | 1.3                      | <b>1.2</b>   | 0.08                     | 0.10      | 93        | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 2496      | 5.3       | 27.7                     | <b>19.0</b>  | 1.25                     | 2.12      | 2179      | 4.9                      | 23.8      | <b>17.0</b>              | 1.25   | 1.70  | C43             |
| Other skin                   | 151       | 0.3       | 1.7                      | <b>1.1</b>   | 0.06                     | 0.11      | 125       | 0.3                      | 1.4       | <b>0.8</b>               | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 165       | 0.4       | 1.8                      | <b>1.0</b>   | 0.02                     | 0.11      | 64        | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C45             |
| Kaposi sarcoma               | 56        | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.04      | 6         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 363       | 0.8       | 4.0                      | <b>2.9</b>   | 0.18                     | 0.28      | 274       | 0.6                      | 3.0       | <b>2.0</b>               | 0.12   | 0.21  | C47+C49         |
| Breast                       | 78        | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.07      | 13390     | 30.0                     | 146.3     | <b>91.6</b>              | 6.28   | 10.69 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 255       | 0.6                      | 2.8       | <b>1.6</b>               | 0.10   | 0.18  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 58        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 608       | 1.4                      | 6.6       | <b>5.2</b>               | 0.42   | 0.51  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 2502      | 5.6                      | 27.3      | <b>17.5</b>              | 1.28   | 2.14  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 56        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 1459      | 3.3                      | 15.9      | <b>9.7</b>               | 0.63   | 1.10  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 88        | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 62        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 13362     | 28.6      | 148.4                    | <b>100.3</b> | 5.00                     | 13.78     |           |                          |           |                          |        |       | C61             |
| Testis                       | 589       | 1.3       | 6.5                      | <b>6.1</b>   | 0.45                     | 0.46      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 24        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1537      | 3.3       | 17.1                     | <b>11.7</b>  | 0.73                     | 1.38      | 980       | 2.2                      | 10.7      | <b>6.8</b>               | 0.44   | 0.80  | C64             |
| Renal pelvis                 | 88        | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                     | 0.06      | 67        | 0.2                      | 0.7       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 49        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.04      | 44        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 3293      | 7.0       | 36.6                     | <b>22.1</b>  | 0.88                     | 2.61      | 1078      | 2.4                      | 11.8      | <b>5.9</b>               | 0.27   | 0.70  | C67             |
| Other urinary organs         | 36        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.02      | 17        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 111       | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                     | 0.08      | 98        | 0.2                      | 1.1       | <b>0.8</b>               | 0.05   | 0.09  | C69             |
| Brain, nervous system        | 804       | 1.7       | 8.9                      | <b>7.2</b>   | 0.45                     | 0.71      | 632       | 1.4                      | 6.9       | <b>5.6</b>               | 0.35   | 0.54  | C70-72          |
| Thyroid                      | 456       | 1.0       | 5.1                      | <b>3.8</b>   | 0.27                     | 0.41      | 1285      | 2.9                      | 14.0      | <b>11.2</b>              | 0.87   | 1.05  | C73             |
| Adrenal gland                | 21        | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.02      | 28        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 20        | 0.0       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.02      | 12        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 291       | 0.6       | 3.2                      | <b>3.0</b>   | 0.20                     | 0.24      | 249       | 0.6                      | 2.7       | <b>2.5</b>               | 0.17   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 2156      | 4.6       | 24.0                     | <b>16.0</b>  | 0.91                     | 1.73      | 1789      | 4.0                      | 19.6      | <b>11.2</b>              | 0.63   | 1.27  | C82-85,C96      |
| Immunoproliferative diseases | 39        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 24        | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.02  | C88             |
| Multiple myeloma             | 563       | 1.2       | 6.3                      | <b>3.9</b>   | 0.19                     | 0.48      | 420       | 0.9                      | 4.6       | <b>2.4</b>               | 0.13   | 0.30  | C90             |
| Lymphoid leukaemia           | 598       | 1.3       | 6.6                      | <b>5.3</b>   | 0.25                     | 0.49      | 408       | 0.9                      | 4.5       | <b>3.4</b>               | 0.17   | 0.29  | C91             |
| Myeloid leukaemia            | 541       | 1.2       | 6.0                      | <b>4.3</b>   | 0.23                     | 0.44      | 441       | 1.0                      | 4.8       | <b>3.0</b>               | 0.16   | 0.30  | C92-94          |
| Leukaemia unspecified        | 81        | 0.2       | 0.9                      | <b>0.5</b>   | 0.01                     | 0.05      | 73        | 0.2                      | 0.8       | <b>0.3</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 129       | 0.3       | 1.4                      | <b>0.9</b>   | 0.04                     | 0.12      | 154       | 0.3                      | 1.7       | <b>0.9</b>               | 0.04   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 314       | 0.7       | 3.5                      | <b>1.9</b>   | 0.05                     | 0.19      | 237       | 0.5                      | 2.6       | <b>1.2</b>               | 0.04   | 0.14  | MDS             |
| Other and unspecified        | 1167      | 2.5       | 13.0                     | <b>8.0</b>   | 0.36                     | 0.87      | 1241      | 2.8                      | 13.6      | <b>6.3</b>               | 0.26   | 0.67  | O&U             |
| All sites                    | 46903     |           | 521.1                    | <b>346.3</b> | 17.84                    | 42.01     | 44687     |                          | 488.3     | <b>294.1</b>             | 17.88  | 33.76 | C00-96          |
| All sites except C44         | 46752     | 100.0     | 519.4                    | <b>345.2</b> | 17.78                    | 41.89     | 44562     | 100.0                    | 487.0     | <b>293.4</b>             | 17.84  | 33.69 | C00-96 exc. C44 |

## USA, Oregon: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female    |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C00             |
| Tongue                       | 5         | 0.9       | 1.4                      | <b>1.4</b>   | 0.11                | 0.11                | 5         | 0.6       | 1.3                      | <b>1.1</b>   | 0.07                | 0.12                | C01-02          |
| Mouth                        | 4         | 0.7       | 1.1                      | <b>1.5</b>   | 0.05                | 0.30                | 5         | 0.6       | 1.3                      | <b>1.2</b>   | 0.15                | 0.15                | C03-06          |
| Salivary glands              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C07-08          |
| Tonsil                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.1       | 0.3                      | <b>0.3</b>   | 0.04                | 0.04                | C09             |
| Other oropharynx             | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.03                | 0.03                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C10             |
| Nasopharynx                  | 10        | 1.7       | 2.9                      | <b>2.5</b>   | 0.23                | 0.23                | 3         | 0.4       | 0.8                      | <b>0.7</b>   | 0.05                | 0.11                | C11             |
| Hypopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C14             |
| Oesophagus                   | 8         | 1.4       | 2.3                      | <b>2.6</b>   | 0.14                | 0.39                | 3         | 0.4       | 0.8                      | <b>0.7</b>   | 0.00                | 0.12                | C15             |
| Stomach                      | 23        | 3.9       | 6.6                      | <b>7.2</b>   | 0.38                | 0.85                | 32        | 4.1       | 8.2                      | <b>7.1</b>   | 0.38                | 0.74                | C16             |
| Small intestine              | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 2         | 0.3       | 0.5                      | <b>0.4</b>   | 0.00                | 0.05                | C17             |
| Colon                        | 36        | 6.1       | 10.3                     | <b>11.4</b>  | 0.50                | 1.33                | 52        | 6.7       | 13.4                     | <b>10.9</b>  | 0.45                | 1.23                | C18             |
| Rectum                       | 31        | 5.3       | 8.8                      | <b>8.6</b>   | 0.54                | 0.92                | 35        | 4.5       | 9.0                      | <b>7.0</b>   | 0.31                | 0.65                | C19-20          |
| Anus                         | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.00                | 0.00                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C21             |
| Liver                        | 78        | 13.3      | 22.3                     | <b>23.0</b>  | 1.46                | 2.76                | 23        | 3.0       | 5.9                      | <b>5.8</b>   | 0.26                | 0.81                | C22             |
| Gallbladder etc.             | 7         | 1.2       | 2.0                      | <b>2.1</b>   | 0.09                | 0.25                | 6         | 0.8       | 1.5                      | <b>1.1</b>   | 0.05                | 0.05                | C23-24          |
| Pancreas                     | 22        | 3.8       | 6.3                      | <b>6.2</b>   | 0.27                | 0.61                | 23        | 3.0       | 5.9                      | <b>4.9</b>   | 0.26                | 0.43                | C25             |
| Nose, sinuses etc.           | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                | 0.00                | 1         | 0.1       | 0.3                      | <b>0.1</b>   | 0.00                | 0.00                | C30-31          |
| Larynx                       | 3         | 0.5       | 0.9                      | <b>1.1</b>   | 0.05                | 0.14                | 4         | 0.5       | 1.0                      | <b>1.1</b>   | 0.12                | 0.12                | C32             |
| Trachea, bronchus and lung   | 87        | 14.8      | 24.8                     | <b>26.4</b>  | 1.13                | 2.90                | 76        | 9.8       | 19.5                     | <b>17.1</b>  | 0.99                | 2.01                | C33-34          |
| Other thoracic organs        | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C37-38          |
| Bone                         | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 3         | 0.4       | 0.8                      | <b>0.6</b>   | 0.03                | 0.03                | C40-41          |
| Melanoma of skin             | 3         | 0.5       | 0.9                      | <b>1.1</b>   | 0.07                | 0.16                | 4         | 0.5       | 1.0                      | <b>0.8</b>   | 0.04                | 0.10                | C43             |
| Other skin                   | 3         | 0.5       | 0.9                      | <b>1.0</b>   | 0.04                | 0.11                | 4         | 0.5       | 1.0                      | <b>0.7</b>   | 0.04                | 0.04                | C44             |
| Mesothelioma                 | 2         | 0.3       | 0.6                      | <b>0.5</b>   | 0.03                | 0.03                | 1         | 0.1       | 0.3                      | <b>0.2</b>   | 0.03                | 0.03                | C45             |
| Kaposi sarcoma               | 1         | 0.2       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | 1         | 0.1       | 0.3                      | <b>0.3</b>   | 0.00                | 0.05                | C46             |
| Connective and soft tissue   | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 4         | 0.5       | 1.0                      | <b>1.0</b>   | 0.02                | 0.13                | C47+C49         |
| Breast                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 223       | 28.9      | 57.3                     | <b>50.9</b>  | 3.91                | 5.70                | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 1         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 28        | 3.6       | 7.2                      | <b>6.2</b>   | 0.56                | 0.67                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 49        | 6.3       | 12.6                     | <b>11.3</b>  | 0.94                | 1.41                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 3         | 0.4       | 0.8                      | <b>0.7</b>   | 0.07                | 0.07                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 20        | 2.6       | 5.1                      | <b>4.8</b>   | 0.39                | 0.59                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 1         | 0.1       | 0.3                      | <b>0.2</b>   | 0.03                | 0.03                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                |           |           |                          |              |                     |                     | C60             |
| Prostate                     | 115       | 19.6      | 32.8                     | <b>38.4</b>  | 1.48                | 5.74                |           |           |                          |              |                     |                     | C61             |
| Testis                       | 2         | 0.3       | 0.6                      | <b>0.5</b>   | 0.04                | 0.04                |           |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                |           |           |                          |              |                     |                     | C63             |
| Kidney                       | 15        | 2.6       | 4.3                      | <b>4.2</b>   | 0.19                | 0.37                | 8         | 1.0       | 2.1                      | <b>1.5</b>   | 0.04                | 0.09                | C64             |
| Renal pelvis                 | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.03                | 0.03                | 1         | 0.1       | 0.3                      | <b>0.3</b>   | 0.04                | 0.04                | C65             |
| Ureter                       | 1         | 0.2       | 0.3                      | <b>0.4</b>   | 0.00                | 0.09                | 1         | 0.1       | 0.3                      | <b>0.3</b>   | 0.00                | 0.05                | C66             |
| Bladder                      | 16        | 2.7       | 4.6                      | <b>4.3</b>   | 0.10                | 0.32                | 11        | 1.4       | 2.8                      | <b>2.4</b>   | 0.10                | 0.21                | C67             |
| Other urinary organs         | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                | 0.00                | 1         | 0.1       | 0.3                      | <b>0.2</b>   | 0.03                | 0.03                | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | C69             |
| Brain, nervous system        | 5         | 0.9       | 1.4                      | <b>1.5</b>   | 0.11                | 0.11                | 15        | 1.9       | 3.9                      | <b>4.0</b>   | 0.29                | 0.29                | C70-72          |
| Thyroid                      | 11        | 1.9       | 3.1                      | <b>3.0</b>   | 0.17                | 0.33                | 49        | 6.3       | 12.6                     | <b>10.7</b>  | 0.78                | 1.07                | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | 1         | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 2         | 0.3       | 0.5                      | <b>0.6</b>   | 0.04                | 0.04                | C75             |
| Hodgkin lymphoma             | 4         | 0.7       | 1.1                      | <b>1.2</b>   | 0.06                | 0.06                | 4         | 0.5       | 1.0                      | <b>1.0</b>   | 0.05                | 0.10                | C81             |
| Non-Hodgkin lymphoma         | 34        | 5.8       | 9.7                      | <b>10.4</b>  | 0.47                | 0.99                | 26        | 3.4       | 6.7                      | <b>6.2</b>   | 0.32                | 0.76                | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.2       | 0.3                      | <b>0.4</b>   | 0.00                | 0.07                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C88             |
| Multiple myeloma             | 4         | 0.7       | 1.1                      | <b>1.2</b>   | 0.13                | 0.13                | 7         | 0.9       | 1.8                      | <b>2.0</b>   | 0.11                | 0.34                | C90             |
| Lymphoid leukaemia           | 11        | 1.9       | 3.1                      | <b>3.4</b>   | 0.11                | 0.11                | 3         | 0.4       | 0.8                      | <b>0.9</b>   | 0.05                | 0.05                | C91             |
| Myeloid leukaemia            | 13        | 2.2       | 3.7                      | <b>3.8</b>   | 0.19                | 0.44                | 7         | 0.9       | 1.8                      | <b>1.4</b>   | 0.06                | 0.06                | C92-94          |
| Leukaemia unspecified        | 1         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 1         | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                | 0.00                | C95             |
| Myeloproliferative disorders | 2         | 0.3       | 0.6                      | <b>0.6</b>   | 0.00                | 0.09                | 5         | 0.6       | 1.3                      | <b>1.2</b>   | 0.05                | 0.17                | MPD             |
| Myelodysplastic syndromes    | 3         | 0.5       | 0.9                      | <b>1.2</b>   | 0.00                | 0.22                | 2         | 0.3       | 0.5                      | <b>0.3</b>   | 0.02                | 0.02                | MDS             |
| Other and unspecified        | 18        | 3.1       | 5.1                      | <b>5.7</b>   | 0.26                | 0.73                | 17        | 2.2       | 4.4                      | <b>3.5</b>   | 0.15                | 0.38                | O&U             |
| All sites                    | 589       |           | 168.0                    | <b>179.8</b> | 8.62                | 21.09               | 776       |           | 199.3                    | <b>175.5</b> | 11.40               | 19.26               | C00-96          |
| All sites except C44         | 586       | 100.0     | 167.2                    | <b>178.8</b> | 8.58                | 20.98               | 772       | 100.0     | 198.2                    | <b>174.8</b> | 11.36               | 19.21               | C00-96 exc. C44 |

## USA, Oregon: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 2         | 0.3       | 0.9                      | <b>1.0</b>   | 0.12                     | 0.12      | 1         | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.04  | C01-02          |
| Mouth                        | 6         | 1.0       | 2.8                      | <b>3.9</b>   | 0.16                     | 0.42      | 2         | 0.4                      | 1.0       | <b>0.9</b>               | 0.04   | 0.04  | C03-06          |
| Salivary glands              | 2         | 0.3       | 0.9                      | <b>0.8</b>   | 0.08                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C07-08          |
| Tonsil                       | 3         | 0.5       | 1.4                      | <b>1.6</b>   | 0.18                     | 0.18      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C09             |
| Other oropharynx             | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 9         | 1.5       | 4.2                      | <b>4.6</b>   | 0.27                     | 0.40      | 2         | 0.4                      | 1.0       | <b>1.2</b>               | 0.05   | 0.22  | C15             |
| Stomach                      | 12        | 2.1       | 5.5                      | <b>7.0</b>   | 0.35                     | 0.74      | 9         | 2.0                      | 4.6       | <b>4.9</b>               | 0.11   | 0.66  | C16             |
| Small intestine              | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.10                     | 0.10      | 3         | 0.7                      | 1.5       | <b>1.7</b>               | 0.04   | 0.17  | C17             |
| Colon                        | 40        | 6.9       | 18.5                     | <b>22.9</b>  | 1.26                     | 2.65      | 37        | 8.3                      | 19.1      | <b>21.8</b>              | 1.35   | 2.81  | C18             |
| Rectum                       | 13        | 2.2       | 6.0                      | <b>7.0</b>   | 0.70                     | 0.70      | 14        | 3.1                      | 7.2       | <b>7.8</b>               | 0.54   | 1.00  | C19-20          |
| Anus                         | 2         | 0.3       | 0.9                      | <b>0.9</b>   | 0.03                     | 0.03      | 2         | 0.4                      | 1.0       | <b>1.2</b>               | 0.10   | 0.10  | C21             |
| Liver                        | 19        | 3.3       | 8.8                      | <b>10.7</b>  | 0.59                     | 1.35      | 5         | 1.1                      | 2.6       | <b>3.0</b>               | 0.21   | 0.34  | C22             |
| Gallbladder etc.             | 2         | 0.3       | 0.9                      | <b>1.2</b>   | 0.10                     | 0.10      | 1         | 0.2                      | 0.5       | <b>0.8</b>               | 0.00   | 0.13  | C23-24          |
| Pancreas                     | 14        | 2.4       | 6.5                      | <b>8.0</b>   | 0.53                     | 1.04      | 18        | 4.0                      | 9.3       | <b>8.0</b>               | 0.52   | 0.68  | C25             |
| Nose, sinuses etc.           | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 5         | 0.9       | 2.3                      | <b>2.8</b>   | 0.24                     | 0.43      | 1         | 0.2                      | 0.5       | <b>0.8</b>               | 0.10   | 0.10  | C32             |
| Trachea, bronchus and lung   | 109       | 18.8      | 50.3                     | <b>65.8</b>  | 3.18                     | 8.86      | 63        | 14.1                     | 32.4      | <b>34.5</b>              | 1.72   | 3.82  | C33-34          |
| Other thoracic organs        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.7                      | 1.5       | <b>1.3</b>               | 0.08   | 0.08  | C37-38          |
| Bone                         | 2         | 0.3       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.06      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C40-41          |
| Melanoma of skin             | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.10                     | 0.10      | 2         | 0.4                      | 1.0       | <b>0.9</b>               | 0.04   | 0.04  | C43             |
| Other skin                   | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.5                      | 0.4       | <b>0.4</b>               | 0.04   | 0.04  | C44             |
| Mesothelioma                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 2         | 0.3       | 0.9                      | <b>1.2</b>   | 0.13                     | 0.13      | 5         | 1.1                      | 2.6       | <b>2.9</b>               | 0.20   | 0.37  | C47+C49         |
| Breast                       | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.00                     | 0.13      | 126       | 28.3                     | 64.9      | <b>69.4</b>              | 5.15   | 7.72  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 3         | 0.7                      | 1.5       | <b>1.6</b>               | 0.08   | 0.24  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 2         | 0.4                      | 1.0       | <b>1.1</b>               | 0.06   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 16        | 3.6                      | 8.2       | <b>7.8</b>               | 0.45   | 0.74  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 18        | 4.0                      | 9.3       | <b>11.0</b>              | 0.66   | 1.55  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 4         | 0.9                      | 2.1       | <b>1.5</b>               | 0.08   | 0.08  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 9         | 2.0                      | 4.6       | <b>4.1</b>               | 0.24   | 0.40  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 200       | 34.4      | 92.4                     | <b>122.3</b> | 7.25                     | 15.44     |           |                          |           |                          |        |       | C61             |
| Testis                       | 5         | 0.9       | 2.3                      | <b>2.0</b>   | 0.15                     | 0.15      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.04                     | 0.04      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 28        | 4.8       | 12.9                     | <b>15.7</b>  | 1.01                     | 1.60      | 18        | 4.0                      | 9.3       | <b>10.4</b>              | 0.70   | 1.08  | C64             |
| Renal pelvis                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 16        | 2.8       | 7.4                      | <b>10.5</b>  | 0.11                     | 1.18      | 6         | 1.3                      | 3.1       | <b>2.8</b>               | 0.03   | 0.33  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.5       | <b>0.7</b>               | 0.00   | 0.17  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.7                      | 1.5       | <b>1.6</b>               | 0.09   | 0.09  | C69             |
| Brain, nervous system        | 5         | 0.9       | 2.3                      | <b>2.8</b>   | 0.06                     | 0.43      | 2         | 0.4                      | 1.0       | <b>0.9</b>               | 0.02   | 0.02  | C70-72          |
| Thyroid                      | 4         | 0.7       | 1.8                      | <b>2.6</b>   | 0.09                     | 0.28      | 13        | 2.9                      | 6.7       | <b>6.5</b>               | 0.44   | 0.57  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C74             |
| Other endocrine              | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 8         | 1.4       | 3.7                      | <b>3.5</b>   | 0.28                     | 0.28      | 6         | 1.3                      | 3.1       | <b>3.5</b>               | 0.37   | 0.37  | C81             |
| Non-Hodgkin lymphoma         | 20        | 3.4       | 9.2                      | <b>10.3</b>  | 0.75                     | 1.13      | 14        | 3.1                      | 7.2       | <b>7.8</b>               | 0.37   | 0.88  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 10        | 1.7       | 4.6                      | <b>5.5</b>   | 0.31                     | 0.57      | 3         | 0.7                      | 1.5       | <b>1.6</b>               | 0.07   | 0.20  | C90             |
| Lymphoid leukaemia           | 11        | 1.9       | 5.1                      | <b>5.8</b>   | 0.47                     | 0.66      | 6         | 1.3                      | 3.1       | <b>3.4</b>               | 0.13   | 0.39  | C91             |
| Myeloid leukaemia            | 7         | 1.2       | 3.2                      | <b>4.1</b>   | 0.22                     | 0.41      | 8         | 1.8                      | 4.1       | <b>4.9</b>               | 0.43   | 0.60  | C92-94          |
| Leukaemia unspecified        | 1         | 0.2       | 0.5                      | <b>0.4</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 1         | 0.2       | 0.5                      | <b>0.8</b>   | 0.00                     | 0.13      | 1         | 0.2                      | 0.5       | <b>0.7</b>               | 0.00   | 0.17  | MPD             |
| Myelodysplastic syndromes    | 1         | 0.2       | 0.5                      | <b>0.9</b>   | 0.00                     | 0.00      | 3         | 0.7                      | 1.5       | <b>1.3</b>               | 0.11   | 0.11  | MDS             |
| Other and unspecified        | 13        | 2.2       | 6.0                      | <b>7.9</b>   | 0.20                     | 1.16      | 16        | 3.6                      | 8.2       | <b>7.7</b>               | 0.36   | 0.82  | O&U             |
| All sites                    | 581       |           | 268.4                    | <b>340.3</b> | 19.29                    | 41.25     | 447       |                          | 230.2     | <b>243.2</b>             | 15.06  | 27.26 | C00-96          |
| All sites except C44         | 581       | 100.0     | 268.4                    | <b>340.3</b> | 19.29                    | 41.25     | 446       | 100.0                    | 229.7     | <b>242.8</b>             | 15.02  | 27.22 | C00-96 exc. C44 |

## USA, Oregon: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 97        | 0.2       | 1.2                      | <b>0.7</b>   | 0.03                     | 0.08      | 33        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 430       | 1.0       | 5.2                      | <b>3.5</b>   | 0.26                     | 0.43      | 164       | 0.4                      | 1.9       | <b>1.1</b>               | 0.06   | 0.13  | C01-02          |
| Mouth                        | 228       | 0.5       | 2.8                      | <b>1.8</b>   | 0.10                     | 0.22      | 181       | 0.4                      | 2.2       | <b>1.1</b>               | 0.06   | 0.12  | C03-06          |
| Salivary glands              | 119       | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                     | 0.10      | 62        | 0.1                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 313       | 0.7       | 3.8                      | <b>2.6</b>   | 0.21                     | 0.31      | 63        | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 49        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 28        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 46        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 24        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 65        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                     | 0.07      | 38        | 0.1                      | 0.5       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 23        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 7         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 817       | 1.9       | 9.9                      | <b>6.1</b>   | 0.32                     | 0.74      | 222       | 0.5                      | 2.6       | <b>1.3</b>               | 0.05   | 0.16  | C15             |
| Stomach                      | 573       | 1.3       | 6.9                      | <b>4.2</b>   | 0.19                     | 0.48      | 356       | 0.8                      | 4.2       | <b>2.1</b>               | 0.11   | 0.26  | C16             |
| Small intestine              | 195       | 0.4       | 2.4                      | <b>1.5</b>   | 0.08                     | 0.17      | 151       | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.13  | C17             |
| Colon                        | 2866      | 6.5       | 34.6                     | <b>20.5</b>  | 0.90                     | 2.39      | 3060      | 7.3                      | 36.4      | <b>17.2</b>              | 0.75   | 2.00  | C18             |
| Rectum                       | 1336      | 3.0       | 16.1                     | <b>10.4</b>  | 0.59                     | 1.29      | 920       | 2.2                      | 10.9      | <b>6.0</b>               | 0.34   | 0.70  | C19-20          |
| Anus                         | 132       | 0.3       | 1.6                      | <b>1.1</b>   | 0.06                     | 0.12      | 233       | 0.6                      | 2.8       | <b>1.7</b>               | 0.12   | 0.20  | C21             |
| Liver                        | 651       | 1.5       | 7.9                      | <b>5.1</b>   | 0.36                     | 0.59      | 291       | 0.7                      | 3.5       | <b>2.0</b>               | 0.12   | 0.22  | C22             |
| Gallbladder etc.             | 176       | 0.4       | 2.1                      | <b>1.3</b>   | 0.06                     | 0.15      | 216       | 0.5                      | 2.6       | <b>1.2</b>               | 0.05   | 0.14  | C23-24          |
| Pancreas                     | 1041      | 2.4       | 12.6                     | <b>7.6</b>   | 0.36                     | 0.92      | 1079      | 2.6                      | 12.8      | <b>6.1</b>               | 0.25   | 0.74  | C25             |
| Nose, sinuses etc.           | 57        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.05      | 41        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 441       | 1.0       | 5.3                      | <b>3.5</b>   | 0.20                     | 0.45      | 145       | 0.3                      | 1.7       | <b>1.0</b>               | 0.06   | 0.14  | C32             |
| Trachea, bronchus and lung   | 6427      | 14.6      | 77.7                     | <b>47.0</b>  | 1.90                     | 5.96      | 6086      | 14.5                     | 72.4      | <b>38.1</b>              | 1.69   | 4.97  | C33-34          |
| Other thoracic organs        | 50        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.04      | 27        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 109       | 0.2       | 1.3                      | <b>1.1</b>   | 0.08                     | 0.10      | 87        | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 2470      | 5.6       | 29.9                     | <b>19.9</b>  | 1.32                     | 2.22      | 2157      | 5.1                      | 25.6      | <b>18.1</b>              | 1.34   | 1.81  | C43             |
| Other skin                   | 141       | 0.3       | 1.7                      | <b>1.0</b>   | 0.06                     | 0.11      | 117       | 0.3                      | 1.4       | <b>0.8</b>               | 0.04   | 0.08  | C44             |
| Mesothelioma                 | 162       | 0.4       | 2.0                      | <b>1.0</b>   | 0.02                     | 0.11      | 61        | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.03  | C45             |
| Kaposi sarcoma               | 53        | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.05      | 5         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 352       | 0.8       | 4.3                      | <b>3.0</b>   | 0.19                     | 0.28      | 254       | 0.6                      | 3.0       | <b>2.0</b>               | 0.12   | 0.20  | C47+C49         |
| Breast                       | 71        | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.07      | 12549     | 30.0                     | 149.2     | <b>90.5</b>              | 6.18   | 10.61 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 238       | 0.6                      | 2.8       | <b>1.6</b>               | 0.09   | 0.18  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 54        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 540       | 1.3                      | 6.4       | <b>5.0</b>               | 0.40   | 0.49  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 2339      | 5.6                      | 27.8      | <b>17.2</b>              | 1.26   | 2.11  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 49        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 1388      | 3.3                      | 16.5      | <b>9.7</b>               | 0.63   | 1.11  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 84        | 0.2                      | 1.0       | <b>0.6</b>               | 0.03   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 57        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 12444     | 28.3      | 150.4                    | <b>97.5</b>  | 4.82                     | 13.38     |           |                          |           |                          |        |       | C61             |
| Testis                       | 560       | 1.3       | 6.8                      | <b>6.3</b>   | 0.47                     | 0.48      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 23        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1423      | 3.2       | 17.2                     | <b>11.4</b>  | 0.71                     | 1.35      | 910       | 2.2                      | 10.8      | <b>6.7</b>               | 0.43   | 0.78  | C64             |
| Renal pelvis                 | 84        | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                     | 0.06      | 66        | 0.2                      | 0.8       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 48        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                     | 0.04      | 43        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 3146      | 7.1       | 38.0                     | <b>22.0</b>  | 0.88                     | 2.62      | 1021      | 2.4                      | 12.1      | <b>5.9</b>               | 0.27   | 0.71  | C67             |
| Other urinary organs         | 35        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.02      | 15        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 111       | 0.3       | 1.3                      | <b>1.0</b>   | 0.06                     | 0.09      | 93        | 0.2                      | 1.1       | <b>0.8</b>               | 0.05   | 0.09  | C69             |
| Brain, nervous system        | 776       | 1.8       | 9.4                      | <b>7.4</b>   | 0.47                     | 0.73      | 596       | 1.4                      | 7.1       | <b>5.6</b>               | 0.34   | 0.55  | C70-72          |
| Thyroid                      | 410       | 0.9       | 5.0                      | <b>3.6</b>   | 0.26                     | 0.39      | 1115      | 2.7                      | 13.3      | <b>10.4</b>              | 0.81   | 0.99  | C73             |
| Adrenal gland                | 21        | 0.0       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 26        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 17        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 10        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 267       | 0.6       | 3.2                      | <b>3.0</b>   | 0.20                     | 0.24      | 230       | 0.5                      | 2.7       | <b>2.5</b>               | 0.17   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 2028      | 4.6       | 24.5                     | <b>15.9</b>  | 0.91                     | 1.71      | 1669      | 4.0                      | 19.8      | <b>10.9</b>              | 0.62   | 1.24  | C82-85,C96      |
| Immunoproliferative diseases | 37        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 24        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 531       | 1.2       | 6.4                      | <b>3.9</b>   | 0.18                     | 0.47      | 400       | 1.0                      | 4.8       | <b>2.4</b>               | 0.12   | 0.30  | C90             |
| Lymphoid leukaemia           | 558       | 1.3       | 6.7                      | <b>5.2</b>   | 0.25                     | 0.49      | 388       | 0.9                      | 4.6       | <b>3.4</b>               | 0.17   | 0.30  | C91             |
| Myeloid leukaemia            | 509       | 1.2       | 6.2                      | <b>4.2</b>   | 0.22                     | 0.43      | 416       | 1.0                      | 4.9       | <b>3.0</b>               | 0.15   | 0.30  | C92-94          |
| Leukaemia unspecified        | 77        | 0.2       | 0.9                      | <b>0.5</b>   | 0.01                     | 0.05      | 72        | 0.2                      | 0.9       | <b>0.3</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 121       | 0.3       | 1.5                      | <b>0.9</b>   | 0.04                     | 0.12      | 147       | 0.4                      | 1.7       | <b>0.9</b>               | 0.04   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 307       | 0.7       | 3.7                      | <b>2.0</b>   | 0.06                     | 0.19      | 226       | 0.5                      | 2.7       | <b>1.2</b>               | 0.04   | 0.14  | MDS             |
| Other and unspecified        | 1105      | 2.5       | 13.4                     | <b>7.8</b>   | 0.35                     | 0.86      | 1179      | 2.8                      | 14.0      | <b>6.3</b>               | 0.25   | 0.66  | O&U             |
| All sites                    | 44185     |           | 534.0                    | <b>342.3</b> | 17.56                    | 41.46     | 42002     |                          | 499.4     | <b>291.5</b>             | 17.64  | 33.52 | C00-96          |
| All sites except C44         | 44044     | 100.0     | 532.3                    | <b>341.2</b> | 17.50                    | 41.35     | 41885     | 100.0                    | 498.0     | <b>290.7</b>             | 17.60  | 33.44 | C00-96 exc. C44 |



# USA, Pennsylvania

## REGISTRATION AREA

The Pennsylvania Cancer Registry (PCR) covers the state of the Commonwealth of Pennsylvania. In 2011, the population was 12.7 million, of whom 10.7 million were White and 1.4 million were Black. About 27% of residents lived in a rural county.

## CANCER CARE FACILITIES

There are 169 acute care hospitals within the state.

## REGISTRY STRUCTURE AND METHODS

The PCR collects demographic, diagnostic, and first course of treatment information on all cancers patients diagnosed and treated in the state, and is legally mandated. The PCR receives approximately 140 000 reports annually from 370 reporting sources. Increasing the reporting rates of free-standing laboratories and other non-hospital sources continues to be a challenge as more patients are being diagnosed and treated in these settings. The PCR uses current technology for collection, processing, and database management, and conforms to national data collection standards as recommended by the North American Association of Central Cancer Registries (NAACCR).

## INTERPRETING THE RESULTS

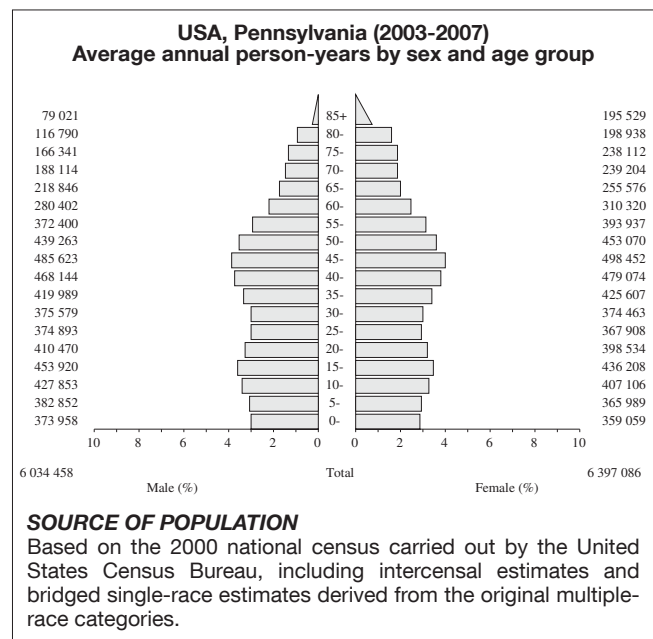
Through participation in the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR), the PCR has significantly enhanced registry operations and has consistently achieved NAACCR Gold Certification. Since 1994, Pennsylvania has been awarded a grant for its Healthy Woman Program (HWP) through CDC as part of the National Breast and Cervical Cancer Early Detection Program (NBCCEDP). The HWP provides no-cost breast and cervical cancer screening services to the eligible population. Women diagnosed with cancer are referred for free treatment through the Department of Public Welfare. The HWP acts as a safety net programme to try to provide every woman with access to breast and cervical cancer screening.

## USE OF THE DATA

Summary statistical information is published for general distribution and public knowledge. Requests for in-depth information are carefully screened and granted only for use in approved research studies. The PCR provides data for determination of cancer rates, state trends, cancer research, surveillance activities, and epidemiological and other special studies. State-specific incidence and mortality data are published annually in *Pennsylvania Cancer Incidence and Mortality*. Data from this and other statistical reports and publications are available through funding provided by participation in CDC's NPCR and are available from the Pennsylvania Department of Health's website (<http://www.health.state.pa.us/stats/>).

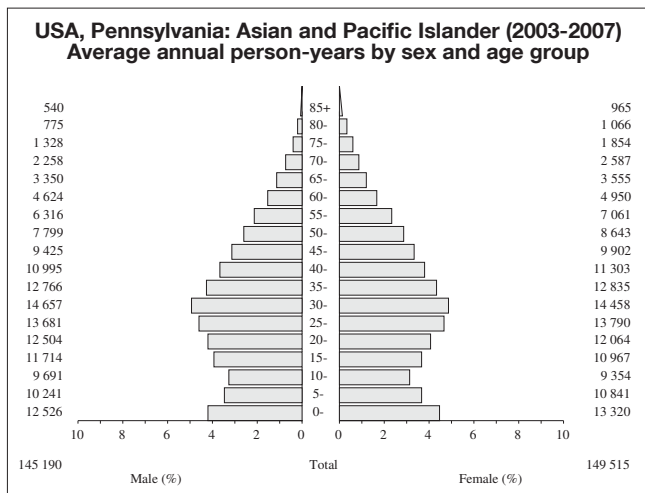
## CONTRIBUTOR

Diane M. Kirsch



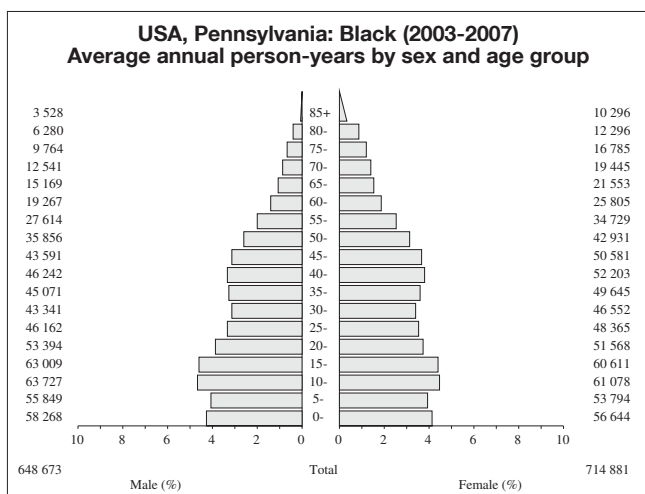
## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 108.7 | Breast                     | 87.5  |
| Trachea, bronchus and lung | 56.1  | Trachea, bronchus and lung | 37.4  |
| Colon                      | 25.7  | Corpus uteri               | 22.5  |
| Bladder                    | 25.7  | Colon                      | 20.4  |
| Non-Hodgkin lymphoma       | 16.6  | Thyroid                    | 18.3  |
| Melanoma of skin           | 14.6  | Non-Hodgkin lymphoma       | 11.7  |
| Kidney                     | 14.2  | Melanoma of skin           | 11.7  |
| Rectum                     | 12.8  | Ovary                      | 10.0  |
| Pancreas                   | 9.0   | Rectum                     | 7.6   |
| Other and unspecified      | 7.8   | Kidney                     | 7.5   |
| All sites                  | 387.4 | All sites                  | 308.7 |



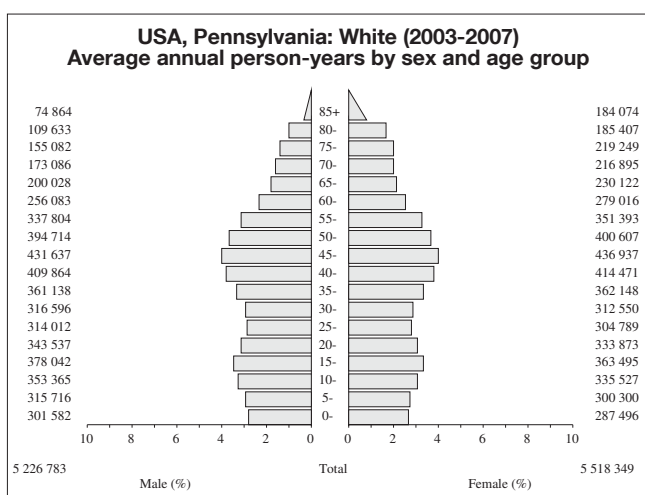
**USA, PENNSYLVANIA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 34.2  | Breast                     | 39.2  |
| Trachea, bronchus and lung | 22.3  | Thyroid                    | 13.9  |
| Liver                      | 12.8  | Trachea, bronchus and lung | 12.8  |
| Colon                      | 11.2  | Colon                      | 10.4  |
| Stomach                    | 9.0   | Corpus uteri               | 6.9   |
| Non-Hodgkin lymphoma       | 7.3   | Stomach                    | 6.5   |
| Rectum                     | 6.9   | Ovary                      | 5.9   |
| Bladder                    | 6.1   | Cervix uteri               | 5.8   |
| Pancreas                   | 3.8   | Rectum                     | 5.4   |
| Nasopharynx                | 3.6   | Liver                      | 5.3   |
| All sites                  | 157.5 | All sites                  | 146.8 |



**USA, PENNSYLVANIA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 172.0 | Breast                     | 88.0  |
| Trachea, bronchus and lung | 77.9  | Trachea, bronchus and lung | 48.7  |
| Colon                      | 31.7  | Colon                      | 25.1  |
| Kidney                     | 16.8  | Corpus uteri               | 15.7  |
| Liver                      | 15.9  | Thyroid                    | 11.7  |
| Non-Hodgkin lymphoma       | 13.5  | Pancreas                   | 9.0   |
| Bladder                    | 13.2  | Other and unspecified      | 8.8   |
| Rectum                     | 11.5  | Kidney                     | 8.7   |
| Pancreas                   | 11.2  | Non-Hodgkin lymphoma       | 8.1   |
| Stomach                    | 10.3  | Cervix uteri               | 7.6   |
| All sites                  | 464.8 | All sites                  | 305.4 |



**USA, PENNSYLVANIA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 100.7 | Breast                     | 87.0  |
| Trachea, bronchus and lung | 54.6  | Trachea, bronchus and lung | 36.5  |
| Bladder                    | 26.6  | Corpus uteri               | 23.2  |
| Colon                      | 25.2  | Colon                      | 19.9  |
| Non-Hodgkin lymphoma       | 16.6  | Thyroid                    | 18.7  |
| Melanoma of skin           | 15.2  | Melanoma of skin           | 12.4  |
| Kidney                     | 14.0  | Non-Hodgkin lymphoma       | 11.9  |
| Rectum                     | 12.8  | Ovary                      | 10.2  |
| Pancreas                   | 8.8   | Rectum                     | 7.6   |
| Other and unspecified      | 7.5   | Kidney                     | 7.4   |
| All sites                  | 376.4 | All sites                  | 307.0 |

## USA, Pennsylvania (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 226        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | 98         | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 1521       | 0.8       | 5.0                      | <b>3.5</b>   | 0.27                | 0.42                | 663        | 0.4       | 2.1                      | <b>1.2</b>   | 0.09                | 0.14                | C01-02          |
| Mouth                        | 982        | 0.5       | 3.3                      | <b>2.1</b>   | 0.14                | 0.25                | 653        | 0.4       | 2.0                      | <b>1.0</b>   | 0.06                | 0.13                | C03-06          |
| Salivary glands              | 521        | 0.3       | 1.7                      | <b>1.0</b>   | 0.06                | 0.11                | 368        | 0.2       | 1.2                      | <b>0.7</b>   | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 893        | 0.5       | 3.0                      | <b>2.0</b>   | 0.16                | 0.24                | 212        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                | 0.05                | C09             |
| Other oropharynx             | 212        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.06                | 89         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C10             |
| Nasopharynx                  | 250        | 0.1       | 0.8                      | <b>0.6</b>   | 0.05                | 0.07                | 101        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C11             |
| Hypopharynx                  | 436        | 0.2       | 1.4                      | <b>0.9</b>   | 0.07                | 0.12                | 91         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 105        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | 29         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 3206       | 1.7       | 10.6                     | <b>6.5</b>   | 0.37                | 0.81                | 932        | 0.5       | 2.9                      | <b>1.4</b>   | 0.07                | 0.16                | C15             |
| Stomach                      | 3256       | 1.7       | 10.8                     | <b>6.3</b>   | 0.31                | 0.72                | 2031       | 1.1       | 6.3                      | <b>2.7</b>   | 0.13                | 0.28                | C16             |
| Small intestine              | 792        | 0.4       | 2.6                      | <b>1.6</b>   | 0.10                | 0.19                | 746        | 0.4       | 2.3                      | <b>1.2</b>   | 0.07                | 0.15                | C17             |
| Colon                        | 13610      | 7.3       | 45.1                     | <b>25.7</b>  | 1.19                | 2.99                | 15467      | 8.7       | 48.4                     | <b>20.4</b>  | 0.92                | 2.32                | C18             |
| Rectum                       | 6248       | 3.3       | 20.7                     | <b>12.8</b>  | 0.73                | 1.55                | 4851       | 2.7       | 15.2                     | <b>7.6</b>   | 0.45                | 0.89                | C19-20          |
| Anus                         | 415        | 0.2       | 1.4                      | <b>0.9</b>   | 0.06                | 0.11                | 690        | 0.4       | 2.2                      | <b>1.3</b>   | 0.09                | 0.15                | C21             |
| Liver                        | 3182       | 1.7       | 10.5                     | <b>6.7</b>   | 0.43                | 0.78                | 1215       | 0.7       | 3.8                      | <b>1.9</b>   | 0.10                | 0.21                | C22             |
| Gallbladder etc.             | 996        | 0.5       | 3.3                      | <b>1.8</b>   | 0.08                | 0.20                | 1298       | 0.7       | 4.1                      | <b>1.7</b>   | 0.08                | 0.20                | C23-24          |
| Pancreas                     | 4583       | 2.5       | 15.2                     | <b>9.0</b>   | 0.46                | 1.09                | 4813       | 2.7       | 15.0                     | <b>6.4</b>   | 0.30                | 0.76                | C25             |
| Nose, sinuses etc.           | 312        | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.08                | 220        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 2490       | 1.3       | 8.3                      | <b>5.3</b>   | 0.32                | 0.67                | 669        | 0.4       | 2.1                      | <b>1.2</b>   | 0.08                | 0.16                | C32             |
| Trachea, bronchus and lung   | 28700      | 15.4      | 95.1                     | <b>56.1</b>  | 2.59                | 7.06                | 23940      | 13.4      | 74.8                     | <b>37.4</b>  | 1.92                | 4.80                | C33-34          |
| Other thoracic organs        | 197        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                | 0.05                | 135        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 365        | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                | 0.09                | 316        | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                | 0.07                | C40-41          |
| Melanoma of skin             | 6692       | 3.6       | 22.2                     | <b>14.6</b>  | 0.91                | 1.62                | 5411       | 3.0       | 16.9                     | <b>11.7</b>  | 0.86                | 1.18                | C43             |
| Other skin                   | 574        | 0.3       | 1.9                      | <b>1.2</b>   | 0.06                | 0.12                | 505        | 0.3       | 1.6                      | <b>0.9</b>   | 0.05                | 0.09                | C44             |
| Mesothelioma                 | 886        | 0.5       | 2.9                      | <b>1.5</b>   | 0.05                | 0.17                | 201        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01                | 0.03                | C45             |
| Kaposi sarcoma               | 158        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                | 0.03                | 30         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 1292       | 0.7       | 4.3                      | <b>3.0</b>   | 0.17                | 0.29                | 1134       | 0.6       | 3.5                      | <b>2.3</b>   | 0.14                | 0.22                | C47+C49         |
| Breast                       | 461        | 0.2       | 1.5                      | <b>0.9</b>   | 0.05                | 0.11                | 47386      | 26.6      | 148.1                    | <b>87.5</b>  | 6.19                | 10.08               | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 1195       | 0.7       | 3.7                      | <b>1.9</b>   | 0.11                | 0.20                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 277        | 0.2       | 0.9                      | <b>0.4</b>   | 0.03                | 0.05                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 2683       | 1.5       | 8.4                      | <b>6.3</b>   | 0.51                | 0.62                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 11768      | 6.6       | 36.8                     | <b>22.5</b>  | 1.64                | 2.79                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 171        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01                | 0.02                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 5513       | 3.1       | 17.2                     | <b>10.0</b>  | 0.67                | 1.14                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 245        | 0.1       | 0.8                      | <b>0.4</b>   | 0.03                | 0.05                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 19         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.00                | C58             |
| Penis                        | 233        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                | 0.05                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 51484      | 27.5      | 170.6                    | <b>108.7</b> | 5.79                | 14.77               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 1784       | 1.0       | 5.9                      | <b>5.6</b>   | 0.42                | 0.44                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 71         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 6552       | 3.5       | 21.7                     | <b>14.2</b>  | 0.88                | 1.72                | 4262       | 2.4       | 13.3                     | <b>7.5</b>   | 0.46                | 0.87                | C64             |
| Renal pelvis                 | 411        | 0.2       | 1.4                      | <b>0.7</b>   | 0.03                | 0.09                | 324        | 0.2       | 1.0                      | <b>0.4</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 287        | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                | 0.06                | 209        | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 13865      | 7.4       | 46.0                     | <b>25.7</b>  | 1.07                | 3.04                | 4846       | 2.7       | 15.2                     | <b>6.8</b>   | 0.32                | 0.82                | C67             |
| Other urinary organs         | 143        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 61         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 303        | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                | 0.08                | 313        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.06                | C69             |
| Brain, nervous system        | 2657       | 1.4       | 8.8                      | <b>7.0</b>   | 0.44                | 0.66                | 2262       | 1.3       | 7.1                      | <b>5.1</b>   | 0.31                | 0.47                | C70-72          |
| Thyroid                      | 2115       | 1.1       | 7.0                      | <b>5.2</b>   | 0.38                | 0.56                | 7427       | 4.2       | 23.2                     | <b>18.3</b>  | 1.43                | 1.78                | C73             |
| Adrenal gland                | 113        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                | 0.03                | 126        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | C74             |
| Other endocrine              | 54         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 41         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 1118       | 0.6       | 3.7                      | <b>3.3</b>   | 0.23                | 0.27                | 999        | 0.6       | 3.1                      | <b>2.8</b>   | 0.19                | 0.23                | C81             |
| Non-Hodgkin lymphoma         | 7914       | 4.2       | 26.2                     | <b>16.6</b>  | 0.94                | 1.84                | 7285       | 4.1       | 22.8                     | <b>11.7</b>  | 0.65                | 1.35                | C82-85,C96      |
| Immunoproliferative diseases | 139        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 134        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C88             |
| Multiple myeloma             | 2183       | 1.2       | 7.2                      | <b>4.2</b>   | 0.21                | 0.51                | 2056       | 1.2       | 6.4                      | <b>3.0</b>   | 0.15                | 0.36                | C90             |
| Lymphoid leukaemia           | 2774       | 1.5       | 9.2                      | <b>6.5</b>   | 0.33                | 0.63                | 1929       | 1.1       | 6.0                      | <b>3.7</b>   | 0.19                | 0.35                | C91             |
| Myeloid leukaemia            | 2333       | 1.2       | 7.7                      | <b>5.0</b>   | 0.26                | 0.54                | 1955       | 1.1       | 6.1                      | <b>3.5</b>   | 0.21                | 0.36                | C92-94          |
| Leukaemia unspecified        | 207        | 0.1       | 0.7                      | <b>0.3</b>   | 0.01                | 0.03                | 214        | 0.1       | 0.7                      | <b>0.2</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 1104       | 0.6       | 3.7                      | <b>2.3</b>   | 0.13                | 0.26                | 1061       | 0.6       | 3.3                      | <b>1.6</b>   | 0.08                | 0.18                | MPD             |
| Myelodysplastic syndromes    | 1998       | 1.1       | 6.6                      | <b>3.3</b>   | 0.09                | 0.32                | 1610       | 0.9       | 5.0                      | <b>1.9</b>   | 0.07                | 0.19                | MDS             |
| Other and unspecified        | 4122       | 2.2       | 13.7                     | <b>7.8</b>   | 0.37                | 0.86                | 5323       | 3.0       | 16.6                     | <b>7.0</b>   | 0.31                | 0.78                | O&U             |
| All sites                    | 187525     |           | 621.5                    | <b>387.4</b> | 20.59               | 46.90               | 178602     |           | 558.4                    | <b>308.7</b> | 19.33               | 35.15               | C00-96          |
| All sites except C44         | 186951     | 100.0     | 619.6                    | <b>386.3</b> | 20.54               | 46.79               | 178097     | 100.0     | 556.8                    | <b>307.8</b> | 19.27               | 35.06               | C00-96 exc. C44 |

§Includes 3 cases of unknown age

§Includes 2 cases of unknown age

## USA, Pennsylvania: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2         | 0.2       | 0.3                      | <b>0.3</b>   | 0.00                     | 0.03      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 4         | 0.4       | 0.6                      | <b>0.7</b>   | 0.01                     | 0.11      | 3         | 0.3                      | 0.4       | <b>0.4</b>               | 0.04   | 0.04  | C01-02          |
| Mouth                        | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 9         | 0.8                      | 1.2       | <b>1.1</b>               | 0.05   | 0.12  | C03-06          |
| Salivary glands              | 4         | 0.4       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.02      | 2         | 0.2                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C07-08          |
| Tonsil                       | 2         | 0.2       | 0.3                      | <b>0.3</b>   | 0.03                     | 0.03      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C09             |
| Other oropharynx             | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 29        | 2.8       | 4.0                      | <b>3.6</b>   | 0.26                     | 0.40      | 13        | 1.1                      | 1.7       | <b>1.5</b>               | 0.10   | 0.13  | C11             |
| Hypopharynx                  | 2         | 0.2       | 0.3                      | <b>0.4</b>   | 0.00                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 14        | 1.3       | 1.9                      | <b>2.1</b>   | 0.06                     | 0.21      | 3         | 0.3                      | 0.4       | <b>0.4</b>               | 0.02   | 0.02  | C15             |
| Stomach                      | 61        | 5.9       | 8.4                      | <b>9.0</b>   | 0.54                     | 1.00      | 51        | 4.4                      | 6.8       | <b>6.5</b>               | 0.29   | 0.71  | C16             |
| Small intestine              | 2         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 5         | 0.4                      | 0.7       | <b>0.8</b>               | 0.03   | 0.14  | C17             |
| Colon                        | 71        | 6.8       | 9.8                      | <b>11.2</b>  | 0.42                     | 1.41      | 82        | 7.0                      | 11.0      | <b>10.4</b>              | 0.41   | 1.27  | C18             |
| Rectum                       | 46        | 4.4       | 6.3                      | <b>6.9</b>   | 0.36                     | 0.88      | 43        | 3.7                      | 5.8       | <b>5.4</b>               | 0.33   | 0.60  | C19-20          |
| Anus                         | 4         | 0.4       | 0.6                      | <b>0.7</b>   | 0.06                     | 0.06      | 4         | 0.3                      | 0.5       | <b>0.5</b>               | 0.04   | 0.08  | C21             |
| Liver                        | 88        | 8.5       | 12.1                     | <b>12.8</b>  | 0.77                     | 1.46      | 41        | 3.5                      | 5.5       | <b>5.3</b>               | 0.22   | 0.65  | C22             |
| Gallbladder etc.             | 19        | 1.8       | 2.6                      | <b>3.0</b>   | 0.16                     | 0.31      | 14        | 1.2                      | 1.9       | <b>1.9</b>               | 0.10   | 0.23  | C23-24          |
| Pancreas                     | 25        | 2.4       | 3.4                      | <b>3.8</b>   | 0.13                     | 0.44      | 24        | 2.1                      | 3.2       | <b>3.0</b>               | 0.10   | 0.30  | C25             |
| Nose, sinuses etc.           | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C30-31          |
| Larynx                       | 9         | 0.9       | 1.2                      | <b>1.4</b>   | 0.09                     | 0.20      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C32             |
| Trachea, bronchus and lung   | 145       | 14.0      | 20.0                     | <b>22.3</b>  | 0.91                     | 2.66      | 97        | 8.3                      | 13.0      | <b>12.8</b>              | 0.62   | 1.63  | C33-34          |
| Other thoracic organs        | 4         | 0.4       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C37-38          |
| Bone                         | 3         | 0.3       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.02      | 6         | 0.5                      | 0.8       | <b>0.9</b>               | 0.06   | 0.06  | C40-41          |
| Melanoma of skin             | 5         | 0.5       | 0.7                      | <b>0.8</b>   | 0.03                     | 0.10      | 8         | 0.7                      | 1.1       | <b>0.9</b>               | 0.04   | 0.07  | C43             |
| Other skin                   | 4         | 0.4       | 0.6                      | <b>0.7</b>   | 0.06                     | 0.06      | 3         | 0.4                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C44             |
| Mesothelioma                 | 5         | 0.5       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 17        | 1.6       | 2.3                      | <b>2.6</b>   | 0.16                     | 0.24      | 3         | 0.3                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C47+C49         |
| Breast                       | 5         | 0.5       | 0.7                      | <b>0.7</b>   | 0.07                     | 0.07      | 315       | 27.1                     | 42.1      | <b>39.2</b>              | 2.95   | 4.55  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 2         | 0.2                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 49        | 4.2                      | 6.6       | <b>5.8</b>               | 0.44   | 0.59  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 54        | 4.6                      | 7.2       | <b>6.9</b>               | 0.51   | 0.83  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 48        | 4.1                      | 6.4       | <b>5.9</b>               | 0.43   | 0.63  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 212       | 20.4      | 29.2                     | <b>34.2</b>  | 1.25                     | 4.37      |           |                          |           |                          |        |       | C61             |
| Testis                       | 16        | 1.5       | 2.2                      | <b>1.9</b>   | 0.14                     | 0.14      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 23        | 2.2       | 3.2                      | <b>3.4</b>   | 0.26                     | 0.40      | 22        | 1.9                      | 2.9       | <b>2.9</b>               | 0.12   | 0.38  | C64             |
| Renal pelvis                 | 2         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 2         | 0.2       | 0.3                      | <b>0.4</b>   | 0.00                     | 0.07      | 1         | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.04  | C66             |
| Bladder                      | 42        | 4.0       | 5.8                      | <b>6.1</b>   | 0.26                     | 0.60      | 8         | 0.7                      | 1.1       | <b>1.1</b>               | 0.03   | 0.15  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 2         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 21        | 2.0       | 2.9                      | <b>3.2</b>   | 0.25                     | 0.32      | 17        | 1.5                      | 2.3       | <b>2.3</b>               | 0.15   | 0.18  | C70-72          |
| Thyroid                      | 26        | 2.5       | 3.6                      | <b>3.2</b>   | 0.24                     | 0.35      | 118       | 10.1                     | 15.8      | <b>13.9</b>              | 0.92   | 1.40  | C73             |
| Adrenal gland                | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.04      | 3         | 0.3                      | 0.4       | <b>0.5</b>               | 0.01   | 0.07  | C74             |
| Other endocrine              | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 5         | 0.5       | 0.7                      | <b>0.6</b>   | 0.05                     | 0.05      | 4         | 0.3                      | 0.5       | <b>0.6</b>               | 0.03   | 0.03  | C81             |
| Non-Hodgkin lymphoma         | 50        | 4.8       | 6.9                      | <b>7.3</b>   | 0.34                     | 0.64      | 42        | 3.6                      | 5.6       | <b>5.2</b>               | 0.26   | 0.56  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 7         | 0.7       | 1.0                      | <b>1.2</b>   | 0.05                     | 0.17      | 12        | 1.0                      | 1.6       | <b>1.5</b>               | 0.09   | 0.19  | C90             |
| Lymphoid leukaemia           | 13        | 1.3       | 1.8                      | <b>2.1</b>   | 0.06                     | 0.27      | 5         | 0.4                      | 0.7       | <b>0.7</b>               | 0.03   | 0.06  | C91             |
| Myeloid leukaemia            | 16        | 1.5       | 2.2                      | <b>2.3</b>   | 0.12                     | 0.27      | 12        | 1.0                      | 1.6       | <b>1.7</b>               | 0.07   | 0.21  | C92-94          |
| Leukaemia unspecified        | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 3         | 0.3       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.01      | 7         | 0.6                      | 0.9       | <b>0.8</b>               | 0.04   | 0.08  | MPD             |
| Myelodysplastic syndromes    | 6         | 0.6       | 0.8                      | <b>1.1</b>   | 0.02                     | 0.07      | 4         | 0.3                      | 0.5       | <b>0.4</b>               | 0.01   | 0.05  | MDS             |
| Other and unspecified        | 20        | 1.9       | 2.8                      | <b>3.0</b>   | 0.18                     | 0.35      | 27        | 2.3                      | 3.6       | <b>3.6</b>               | 0.16   | 0.47  | O&U             |
| All sites                    | 1043      |           | 143.7                    | <b>157.5</b> | 7.59                     | 18.11     | 1167      |                          | 156.1     | <b>146.8</b>             | 8.81   | 16.66 | C00-96          |
| All sites except C44         | 1039      | 100.0     | 143.1                    | <b>156.8</b> | 7.53                     | 18.05     | 1164      | 100.0                    | 155.7     | <b>146.5</b>             | 8.78   | 16.63 | C00-96 exc. C44 |

## USA, Pennsylvania: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 100       | 0.7       | 3.1                      | <b>3.1</b>   | 0.23                     | 0.42      | 42        | 0.3                      | 1.2       | <b>0.9</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 73        | 0.5       | 2.3                      | <b>2.3</b>   | 0.18                     | 0.29      | 51        | 0.4                      | 1.4       | <b>1.1</b>               | 0.09   | 0.13  | C03-06          |
| Salivary glands              | 28        | 0.2       | 0.9                      | <b>0.8</b>   | 0.05                     | 0.10      | 35        | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.11  | C07-08          |
| Tonsil                       | 75        | 0.5       | 2.3                      | <b>2.3</b>   | 0.16                     | 0.29      | 31        | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.10  | C09             |
| Other oropharynx             | 31        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.11      | 17        | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.05  | C10             |
| Nasopharynx                  | 21        | 0.1       | 0.6                      | <b>0.6</b>   | 0.05                     | 0.06      | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 61        | 0.4       | 1.9                      | <b>2.0</b>   | 0.14                     | 0.25      | 14        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C12-13          |
| Pharynx unspecified          | 13        | 0.1       | 0.4                      | <b>0.4</b>   | 0.04                     | 0.05      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 213       | 1.4       | 6.6                      | <b>6.5</b>   | 0.39                     | 0.81      | 119       | 0.8                      | 3.3       | <b>2.4</b>               | 0.15   | 0.27  | C15             |
| Stomach                      | 357       | 2.4       | 11.0                     | <b>10.3</b>  | 0.55                     | 1.22      | 270       | 1.9                      | 7.6       | <b>5.0</b>               | 0.26   | 0.55  | C16             |
| Small intestine              | 83        | 0.5       | 2.6                      | <b>2.5</b>   | 0.14                     | 0.32      | 95        | 0.7                      | 2.7       | <b>1.9</b>               | 0.12   | 0.22  | C17             |
| Colon                        | 1079      | 7.1       | 33.3                     | <b>31.7</b>  | 1.67                     | 3.69      | 1286      | 9.0                      | 36.0      | <b>25.1</b>              | 1.33   | 2.99  | C18             |
| Rectum                       | 391       | 2.6       | 12.1                     | <b>11.5</b>  | 0.67                     | 1.33      | 339       | 2.4                      | 9.5       | <b>7.1</b>               | 0.43   | 0.86  | C19-20          |
| Anus                         | 55        | 0.4       | 1.7                      | <b>1.7</b>   | 0.12                     | 0.21      | 66        | 0.5                      | 1.8       | <b>1.4</b>               | 0.10   | 0.16  | C21             |
| Liver                        | 513       | 3.4       | 15.8                     | <b>15.9</b>  | 1.29                     | 1.97      | 153       | 1.1                      | 4.3       | <b>3.1</b>               | 0.22   | 0.35  | C22             |
| Gallbladder etc.             | 73        | 0.5       | 2.3                      | <b>2.1</b>   | 0.11                     | 0.25      | 126       | 0.9                      | 3.5       | <b>2.5</b>               | 0.14   | 0.30  | C23-24          |
| Pancreas                     | 373       | 2.5       | 11.5                     | <b>11.2</b>  | 0.69                     | 1.37      | 500       | 3.5                      | 14.0      | <b>9.0</b>               | 0.45   | 1.06  | C25             |
| Nose, sinuses etc.           | 25        | 0.2       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.10      | 17        | 0.1                      | 0.5       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 275       | 1.8       | 8.5                      | <b>8.6</b>   | 0.52                     | 1.13      | 93        | 0.6                      | 2.6       | <b>2.1</b>               | 0.13   | 0.29  | C32             |
| Trachea, bronchus and lung   | 2576      | 17.0      | 79.4                     | <b>77.9</b>  | 4.24                     | 9.68      | 2339      | 16.3                     | 65.4      | <b>48.7</b>              | 2.85   | 6.16  | C33-34          |
| Other thoracic organs        | 26        | 0.2       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.09      | 22        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.05  | C37-38          |
| Bone                         | 30        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.07      | 23        | 0.2                      | 0.6       | <b>0.6</b>               | 0.04   | 0.05  | C40-41          |
| Melanoma of skin             | 22        | 0.1       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.05      | 23        | 0.2                      | 0.6       | <b>0.4</b>               | 0.02   | 0.03  | C43             |
| Other skin                   | 33        | 0.2       | 1.0                      | <b>1.0</b>   | 0.08                     | 0.08      | 43        | 0.3                      | 1.2       | <b>1.1</b>               | 0.08   | 0.10  | C44             |
| Mesothelioma                 | 24        | 0.2       | 0.7                      | <b>0.7</b>   | 0.02                     | 0.08      | 11        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C45             |
| Kaposi sarcoma               | 46        | 0.3       | 1.4                      | <b>1.3</b>   | 0.10                     | 0.11      | 13        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C46             |
| Connective and soft tissue   | 94        | 0.6       | 2.9                      | <b>2.7</b>   | 0.16                     | 0.27      | 101       | 0.7                      | 2.8       | <b>2.4</b>               | 0.16   | 0.25  | C47+C49         |
| Breast                       | 45        | 0.3       | 1.4                      | <b>1.3</b>   | 0.07                     | 0.15      | 3984      | 27.7                     | 111.5     | <b>88.0</b>              | 6.39   | 10.09 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 78        | 0.5                      | 2.2       | <b>1.7</b>               | 0.12   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 34        | 0.2                      | 1.0       | <b>0.7</b>               | 0.05   | 0.08  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 322       | 2.2                      | 9.0       | <b>7.6</b>               | 0.60   | 0.78  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 709       | 4.9                      | 19.8      | <b>15.7</b>              | 1.02   | 2.02  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 12        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 344       | 2.4                      | 9.6       | <b>7.5</b>               | 0.50   | 0.85  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 17        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 19        | 0.1       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 5414      | 35.7      | 166.9                    | <b>172.0</b> | 10.34                    | 22.93     |           |                          |           |                          |        |       | C61             |
| Testis                       | 48        | 0.3       | 1.5                      | <b>1.4</b>   | 0.11                     | 0.12      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 557       | 3.7       | 17.2                     | <b>16.8</b>  | 1.17                     | 1.95      | 408       | 2.8                      | 11.4      | <b>8.7</b>               | 0.53   | 1.02  | C64             |
| Renal pelvis                 | 10        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.05      | 15        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C65             |
| Ureter                       | 8         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 3         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 457       | 3.0       | 14.1                     | <b>13.2</b>  | 0.58                     | 1.62      | 270       | 1.9                      | 7.6       | <b>4.6</b>               | 0.19   | 0.52  | C67             |
| Other urinary organs         | 14        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.03      | 12        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C68             |
| Eye                          | 13        | 0.1       | 0.4                      | <b>0.5</b>   | 0.03                     | 0.03      | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C69             |
| Brain, nervous system        | 163       | 1.1       | 5.0                      | <b>5.0</b>   | 0.33                     | 0.43      | 145       | 1.0                      | 4.1       | <b>3.8</b>               | 0.23   | 0.33  | C70-72          |
| Thyroid                      | 102       | 0.7       | 3.1                      | <b>3.1</b>   | 0.24                     | 0.36      | 478       | 3.3                      | 13.4      | <b>11.7</b>              | 0.90   | 1.20  | C73             |
| Adrenal gland                | 10        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 14        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 98        | 0.6       | 3.0                      | <b>2.9</b>   | 0.21                     | 0.23      | 91        | 0.6                      | 2.5       | <b>2.4</b>               | 0.18   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 461       | 3.0       | 14.2                     | <b>13.5</b>  | 0.96                     | 1.37      | 385       | 2.7                      | 10.8      | <b>8.1</b>               | 0.53   | 0.90  | C82-85,C96      |
| Immunoproliferative diseases | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 11        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.04  | C88             |
| Multiple myeloma             | 296       | 2.0       | 9.1                      | <b>8.8</b>   | 0.50                     | 1.10      | 330       | 2.3                      | 9.2       | <b>6.3</b>               | 0.33   | 0.78  | C90             |
| Lymphoid leukaemia           | 139       | 0.9       | 4.3                      | <b>4.2</b>   | 0.23                     | 0.39      | 90        | 0.6                      | 2.5       | <b>2.0</b>               | 0.09   | 0.18  | C91             |
| Myeloid leukaemia            | 138       | 0.9       | 4.3                      | <b>4.1</b>   | 0.24                     | 0.44      | 138       | 1.0                      | 3.9       | <b>3.2</b>               | 0.22   | 0.31  | C92-94          |
| Leukaemia unspecified        | 12        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 10        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 65        | 0.4       | 2.0                      | <b>2.0</b>   | 0.13                     | 0.20      | 70        | 0.5                      | 2.0       | <b>1.3</b>               | 0.06   | 0.16  | MPD             |
| Myelodysplastic syndromes    | 75        | 0.5       | 2.3                      | <b>1.9</b>   | 0.06                     | 0.15      | 96        | 0.7                      | 2.7       | <b>1.8</b>               | 0.09   | 0.17  | MDS             |
| Other and unspecified        | 350       | 2.3       | 10.8                     | <b>10.2</b>  | 0.56                     | 1.17      | 476       | 3.3                      | 13.3      | <b>8.8</b>               | 0.42   | 1.00  | O&U             |
| All sites                    | 15196     |           | 468.5                    | <b>464.8</b> | 27.71                    | 57.28     | 14402     |                          | 402.9     | <b>305.4</b>             | 19.56  | 35.38 | C00-96          |
| All sites except C44         | 15163     | 100.0     | 467.5                    | <b>463.9</b> | 27.63                    | 57.20     | 14359     | 100.0                    | 401.7     | <b>304.3</b>             | 19.48  | 35.28 | C00-96 exc. C44 |

## USA, Pennsylvania: White (2003-2007)

| SITE                         | Male       |           |                          |              |                          | Female     |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|------------|-----------|--------------------------|--------------|--------------------------|------------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 222        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.05       | 91        | 0.1                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 1397       | 0.8       | 5.3                      | <b>3.5</b>   | 0.27                     | 0.42       | 606       | 0.4                      | 2.2       | <b>1.3</b>               | 0.09   | 0.14  | C01-02          |
| Mouth                        | 886        | 0.5       | 3.4                      | <b>2.1</b>   | 0.14                     | 0.25       | 580       | 0.4                      | 2.1       | <b>1.0</b>               | 0.05   | 0.12  | C03-06          |
| Salivary glands              | 485        | 0.3       | 1.9                      | <b>1.1</b>   | 0.06                     | 0.11       | 322       | 0.2                      | 1.2       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 811        | 0.5       | 3.1                      | <b>2.0</b>   | 0.17                     | 0.24       | 178       | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 181        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                     | 0.06       | 72        | 0.0                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 195        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06       | 75        | 0.0                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 366        | 0.2       | 1.4                      | <b>0.9</b>   | 0.06                     | 0.11       | 77        | 0.0                      | 0.3       | <b>0.1</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 92         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.03       | 26        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 2958       | 1.8       | 11.3                     | <b>6.6</b>   | 0.37                     | 0.82       | 799       | 0.5                      | 2.9       | <b>1.3</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 2796       | 1.7       | 10.7                     | <b>5.8</b>   | 0.28                     | 0.66       | 1685      | 1.1                      | 6.1       | <b>2.3</b>               | 0.11   | 0.25  | C16             |
| Small intestine              | 699        | 0.4       | 2.7                      | <b>1.6</b>   | 0.10                     | 0.18       | 634       | 0.4                      | 2.3       | <b>1.1</b>               | 0.07   | 0.14  | C17             |
| Colon                        | 12318      | 7.4       | 47.1                     | <b>25.2</b>  | 1.14                     | 2.92       | 13955     | 8.7                      | 50.6      | <b>19.9</b>              | 0.87   | 2.24  | C18             |
| Rectum                       | 5711       | 3.4       | 21.9                     | <b>12.8</b>  | 0.73                     | 1.55       | 4397      | 2.7                      | 15.9      | <b>7.6</b>               | 0.44   | 0.88  | C19-20          |
| Anus                         | 351        | 0.2       | 1.3                      | <b>0.8</b>   | 0.06                     | 0.10       | 610       | 0.4                      | 2.2       | <b>1.3</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 2522       | 1.5       | 9.7                      | <b>5.7</b>   | 0.34                     | 0.66       | 1004      | 0.6                      | 3.6       | <b>1.6</b>               | 0.09   | 0.18  | C22             |
| Gallbladder etc.             | 887        | 0.5       | 3.4                      | <b>1.7</b>   | 0.07                     | 0.19       | 1139      | 0.7                      | 4.1       | <b>1.6</b>               | 0.07   | 0.18  | C23-24          |
| Pancreas                     | 4150       | 2.5       | 15.9                     | <b>8.8</b>   | 0.45                     | 1.07       | 4259      | 2.7                      | 15.4      | <b>6.2</b>               | 0.28   | 0.73  | C25             |
| Nose, sinuses etc.           | 278        | 0.2       | 1.1                      | <b>0.6</b>   | 0.04                     | 0.07       | 201       | 0.1                      | 0.7       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 2172       | 1.3       | 8.3                      | <b>5.0</b>   | 0.31                     | 0.63       | 568       | 0.4                      | 2.1       | <b>1.2</b>               | 0.08   | 0.15  | C32             |
| Trachea, bronchus and lung   | 25814      | 15.5      | 98.8                     | <b>54.6</b>  | 2.47                     | 6.89       | 21378     | 13.4                     | 77.5      | <b>36.5</b>              | 1.84   | 4.70  | C33-34          |
| Other thoracic organs        | 164        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04       | 109       | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 322        | 0.2       | 1.2                      | <b>1.1</b>   | 0.07                     | 0.09       | 279       | 0.2                      | 1.0       | <b>0.9</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 6310       | 3.8       | 24.1                     | <b>15.2</b>  | 0.94                     | 1.69       | 5036      | 3.1                      | 18.3      | <b>12.4</b>              | 0.90   | 1.24  | C43             |
| Other skin                   | 520        | 0.3       | 2.0                      | <b>1.1</b>   | 0.05                     | 0.11       | 447       | 0.3                      | 1.6       | <b>0.8</b>               | 0.05   | 0.09  | C44             |
| Mesothelioma                 | 854        | 0.5       | 3.3                      | <b>1.6</b>   | 0.05                     | 0.17       | 190       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 100        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.02       | 15        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 1137       | 0.7       | 4.4                      | <b>2.9</b>   | 0.17                     | 0.28       | 979       | 0.6                      | 3.5       | <b>2.2</b>               | 0.14   | 0.21  | C47+C49         |
| Breast                       | 402        | 0.2       | 1.5                      | <b>0.9</b>   | 0.05                     | 0.11       | 42517     | 26.6                     | 154.1     | <b>87.0</b>              | 6.15   | 10.05 | C50             |
| Vulva                        |            |           |                          |              |                          |            | 1097      | 0.7                      | 4.0       | <b>1.9</b>               | 0.11   | 0.20  | C51             |
| Vagina                       |            |           |                          |              |                          |            | 237       | 0.1                      | 0.9       | <b>0.4</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |            |           |                          |              |                          |            | 2239      | 1.4                      | 8.1       | <b>6.0</b>               | 0.48   | 0.59  | C53             |
| Corpus uteri                 |            |           |                          |              |                          |            | 10864     | 6.8                      | 39.4      | <b>23.2</b>              | 1.70   | 2.87  | C54             |
| Uterus unspecified           |            |           |                          |              |                          |            | 155       | 0.1                      | 0.6       | <b>0.2</b>               | 0.01   | 0.02  | C55             |
| Ovary                        |            |           |                          |              |                          |            | 5068      | 3.2                      | 18.4      | <b>10.2</b>              | 0.69   | 1.17  | C56             |
| Other female genital organs  |            |           |                          |              |                          |            | 227       | 0.1                      | 0.8       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |            |           |                          |              |                          |            | 10        | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 210        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                     | 0.05       |           |                          |           |                          |        |       | C60             |
| Prostate                     | 43929      | 26.3      | 168.1                    | <b>100.7</b> | 5.29                     | 13.73      |           |                          |           |                          |        |       | C61             |
| Testis                       | 1691       | 1.0       | 6.5                      | <b>6.2</b>   | 0.47                     | 0.48       |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 66         | 0.0       | 0.3                      | <b>0.1</b>   | 0.01                     | 0.01       |           |                          |           |                          |        |       | C63             |
| Kidney                       | 5875       | 3.5       | 22.5                     | <b>14.0</b>  | 0.85                     | 1.70       | 3799      | 2.4                      | 13.8      | <b>7.4</b>               | 0.46   | 0.86  | C64             |
| Renal pelvis                 | 396        | 0.2       | 1.5                      | <b>0.8</b>   | 0.03                     | 0.09       | 307       | 0.2                      | 1.1       | <b>0.4</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 276        | 0.2       | 1.1                      | <b>0.5</b>   | 0.02                     | 0.07       | 200       | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C66             |
| Bladder                      | 13213      | 7.9       | 50.6                     | <b>26.6</b>  | 1.10                     | 3.15       | 4511      | 2.8                      | 16.3      | <b>7.0</b>               | 0.34   | 0.85  | C67             |
| Other urinary organs         | 129        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 49        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 282        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.09       | 302       | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.07  | C69             |
| Brain, nervous system        | 2416       | 1.4       | 9.2                      | <b>7.1</b>   | 0.44                     | 0.68       | 2060      | 1.3                      | 7.5       | <b>5.2</b>               | 0.32   | 0.48  | C70-72          |
| Thyroid                      | 1942       | 1.2       | 7.4                      | <b>5.3</b>   | 0.39                     | 0.57       | 6624      | 4.1                      | 24.0      | <b>18.7</b>              | 1.47   | 1.81  | C73             |
| Adrenal gland                | 95         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.03       | 108       | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 48         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01       | 35        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 991        | 0.6       | 3.8                      | <b>3.3</b>   | 0.23                     | 0.27       | 886       | 0.6                      | 3.2       | <b>2.8</b>               | 0.19   | 0.23  | C81             |
| Non-Hodgkin lymphoma         | 7266       | 4.4       | 27.8                     | <b>16.6</b>  | 0.92                     | 1.85       | 6735      | 4.2                      | 24.4      | <b>11.9</b>              | 0.65   | 1.37  | C82-85,C96      |
| Immunoproliferative diseases | 132        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03       | 122       | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 1847       | 1.1       | 7.1                      | <b>3.9</b>   | 0.19                     | 0.46       | 1691      | 1.1                      | 6.1       | <b>2.7</b>               | 0.13   | 0.32  | C90             |
| Lymphoid leukaemia           | 2519       | 1.5       | 9.6                      | <b>6.5</b>   | 0.33                     | 0.63       | 1758      | 1.1                      | 6.4       | <b>3.8</b>               | 0.20   | 0.35  | C91             |
| Myeloid leukaemia            | 2136       | 1.3       | 8.2                      | <b>5.0</b>   | 0.26                     | 0.54       | 1776      | 1.1                      | 6.4       | <b>3.5</b>               | 0.21   | 0.37  | C92-94          |
| Leukaemia unspecified        | 193        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.03       | 203       | 0.1                      | 0.7       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 1012       | 0.6       | 3.9                      | <b>2.3</b>   | 0.12                     | 0.26       | 965       | 0.6                      | 3.5       | <b>1.6</b>               | 0.08   | 0.18  | MPD             |
| Myelodysplastic syndromes    | 1886       | 1.1       | 7.2                      | <b>3.3</b>   | 0.09                     | 0.33       | 1492      | 0.9                      | 5.4       | <b>1.9</b>               | 0.06   | 0.19  | MDS             |
| Other and unspecified        | 3689       | 2.2       | 14.1                     | <b>7.5</b>   | 0.35                     | 0.83       | 4757      | 3.0                      | 17.2      | <b>6.7</b>               | 0.30   | 0.76  | O&U             |
| All sites                    | 167339     |           | 640.3                    | <b>376.4</b> | 19.76                    | 45.50      | 160505    |                          | 581.7     | <b>307.0</b>             | 19.16  | 34.92 | C00-96          |
| All sites except C44         | 166819     | 100.0     | 638.3                    | <b>375.3</b> | 19.71                    | 45.38      | 160058    | 100.0                    | 580.1     | <b>306.2</b>             | 19.11  | 34.84 | C00-96 exc. C44 |

§Includes 1 case of unknown age

§Includes 1 case of unknown age

# USA, Rhode Island

## REGISTRATION AREA

The Rhode Island Cancer Registry (RICR) captures all cancer cases diagnosed and/or treated in the state of Rhode Island in the USA. The state is predominately urban, with a limited rural population. The population is 87% White (77% non-Hispanic White), 7% Black, and 3% Asian. Other races account for less than 1% of the population, and 3.3% of residents are of two or more races. Rhode Island has an ageing, mostly Catholic population. There are more residents older than 65 years and fewer residents younger than 18 years than the national averages. As younger Rhode Islanders leave, they are being replaced by a growing Hispanic population.

## CANCER CARE FACILITIES

Rhode Island has 11 acute care hospitals (all of which have cancer programmes approved by the American College of Surgeons), five free-standing radiation therapy centres, and a small number of medical oncology practices. Health care costs are covered by private medical insurance, community health centres, and compassionate care provided by hospitals according to state law.

## REGISTRY STRUCTURE AND METHODS

The RICR is supported by state law passed in 1986. Several revisions have been made to meet current reporting requirements. The Rhode Island Department of Health (DOH) contracts the Hospital Association of Rhode Island (HARI) to maintain the RICR, which is funded by the National Program of Cancer Registries (NPCR) and the DOH. Operational activities such as data collection and file preparation are conducted by employees filling 3.2 full-time equivalent positions at HARI. Surveillance and research are performed at DOH. Case reports are submitted electronically on cases diagnosed and/or treated in Rhode Island, and pathology reports are submitted from pathology laboratories nationwide. Case-finding audits are conducted quarterly, and 10% of all cases are audited annually. Cases are edited for duplicate reporting quarterly. Strong encryption is used to protect confidentiality.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 105.1 | Breast                     | 92.2  |
| Trachea, bronchus and lung | 56.5  | Trachea, bronchus and lung | 40.7  |
| Bladder                    | 30.7  | Corpus uteri               | 22.4  |
| Colon                      | 24.2  | Colon                      | 19.2  |
| Melanoma of skin           | 18.2  | Thyroid                    | 17.0  |
| Non-Hodgkin lymphoma       | 16.7  | Melanoma of skin           | 13.5  |
| Kidney                     | 14.4  | Non-Hodgkin lymphoma       | 11.4  |
| Rectum                     | 12.1  | Ovary                      | 9.2   |
| Liver                      | 7.8   | Rectum                     | 7.9   |
| Pancreas                   | 7.7   | Bladder                    | 7.8   |
| All sites                  | 392.7 | All sites                  | 317.5 |

## INTERPRETING THE RESULTS

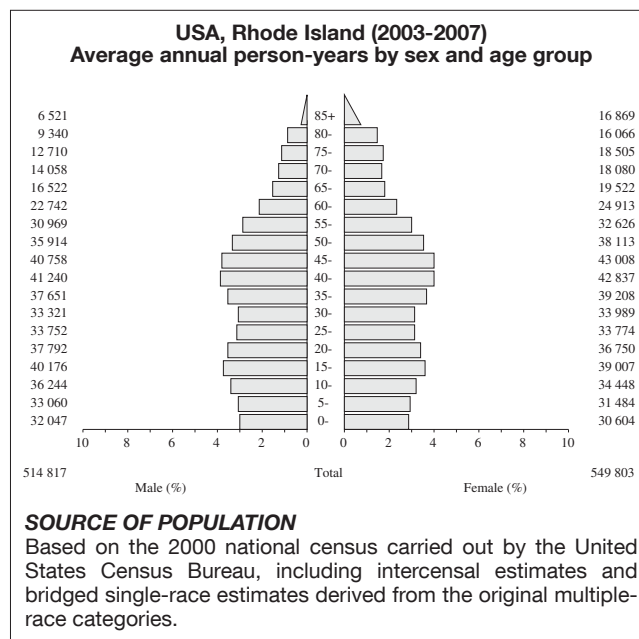
The reporting area has remained unchanged, and the population remains relatively stable. Treatment is increasingly centred at acute care hospitals. There have been no changes to coding or case definitions. Screening (with Pap tests and mammograms) is conducted by DOH as part of its Women's Cancer Screening Program.

## USE OF THE DATA

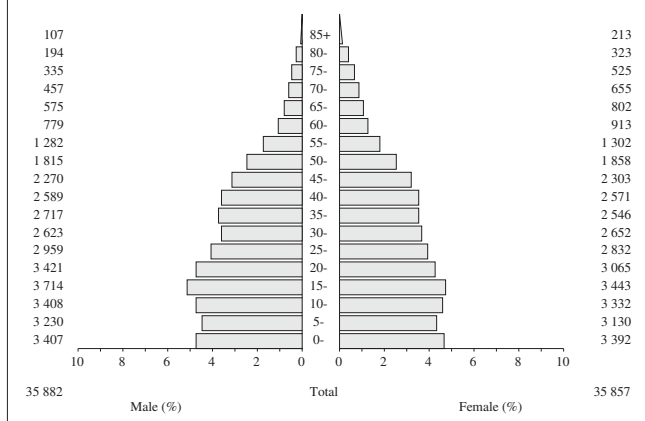
Registry data are used by the DOH for surveillance and planning, as well as by researchers and hospital planners.

## CONTRIBUTORS

John P. Fulton  
David Rousseau  
Shirley Eliason  
Lorraine McHugh  
Joyce Curcio



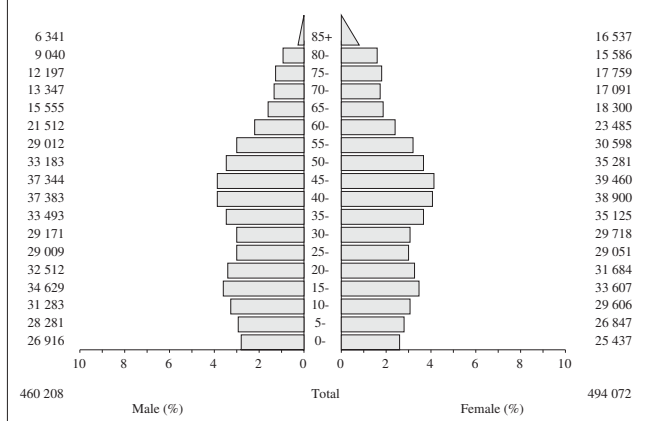
**USA, Rhode Island: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, RHODE ISLAND: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 128.9 | Breast                     | 81.5  |
| Trachea, bronchus and lung | 42.5  | Trachea, bronchus and lung | 40.9  |
| Colon                      | 20.5  | Colon                      | 23.1  |
| Kidney                     | 16.7  | Thyroid                    | 15.0  |
| Bladder                    | 14.2  | Corpus uteri               | 13.1  |
| Liver                      | 13.7  | Cervix uteri               | 9.5   |
| Non-Hodgkin lymphoma       | 13.2  | Ovary                      | 9.1   |
| Stomach                    | 11.5  | Rectum                     | 8.2   |
| Other and unspecified      | 10.4  | Pancreas                   | 7.1   |
| Rectum                     | 9.2   | Kidney                     | 6.5   |
| All sites                  | 351.1 | All sites                  | 280.5 |

**USA, Rhode Island: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, RHODE ISLAND: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 100.4 | Breast                     | 93.4  |
| Trachea, bronchus and lung | 57.2  | Trachea, bronchus and lung | 41.2  |
| Bladder                    | 31.2  | Corpus uteri               | 21.7  |
| Colon                      | 24.4  | Colon                      | 19.1  |
| Melanoma of skin           | 18.7  | Thyroid                    | 16.9  |
| Non-Hodgkin lymphoma       | 16.9  | Melanoma of skin           | 14.1  |
| Kidney                     | 14.3  | Non-Hodgkin lymphoma       | 11.7  |
| Rectum                     | 12.2  | Ovary                      | 9.0   |
| Oesophagus                 | 7.9   | Bladder                    | 8.0   |
| Brain, nervous system      | 7.9   | Kidney                     | 7.9   |
| All sites                  | 391.6 | All sites                  | 318.6 |



## USA, Rhode Island (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 11        | 0.1       | 0.4                      | <b>0.2</b>   | 0.02                     | 0.02      | 6         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 118       | 0.8       | 4.6                      | <b>3.2</b>   | 0.22                     | 0.34      | 52        | 0.3                      | 1.9       | <b>1.3</b>               | 0.08   | 0.15  | C01-02          |
| Mouth                        | 85        | 0.6       | 3.3                      | <b>2.3</b>   | 0.15                     | 0.28      | 44        | 0.3                      | 1.6       | <b>0.9</b>               | 0.06   | 0.11  | C03-06          |
| Salivary glands              | 33        | 0.2       | 1.3                      | <b>0.8</b>   | 0.04                     | 0.08      | 23        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 71        | 0.5       | 2.8                      | <b>2.0</b>   | 0.17                     | 0.24      | 19        | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C09             |
| Other oropharynx             | 24        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.10      | 15        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.05  | C10             |
| Nasopharynx                  | 21        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.06      | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 46        | 0.3       | 1.8                      | <b>1.3</b>   | 0.07                     | 0.17      | 7         | 0.0                      | 0.3       | <b>0.1</b>               | 0.00   | 0.02  | C12-13          |
| Pharynx unspecified          | 7         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 296       | 1.9       | 11.5                     | <b>7.7</b>   | 0.42                     | 1.01      | 94        | 0.6                      | 3.4       | <b>1.6</b>               | 0.07   | 0.19  | C15             |
| Stomach                      | 315       | 2.1       | 12.2                     | <b>7.6</b>   | 0.38                     | 0.88      | 183       | 1.2                      | 6.7       | <b>3.0</b>               | 0.13   | 0.37  | C16             |
| Small intestine              | 63        | 0.4       | 2.4                      | <b>1.7</b>   | 0.10                     | 0.21      | 84        | 0.6                      | 3.1       | <b>1.7</b>               | 0.11   | 0.22  | C17             |
| Colon                        | 1037      | 6.8       | 40.3                     | <b>24.2</b>  | 1.03                     | 2.75      | 1204      | 8.1                      | 43.8      | <b>19.2</b>              | 0.84   | 2.14  | C18             |
| Rectum                       | 484       | 3.2       | 18.8                     | <b>12.1</b>  | 0.67                     | 1.40      | 401       | 2.7                      | 14.6      | <b>7.9</b>               | 0.46   | 0.90  | C19-20          |
| Anus                         | 36        | 0.2       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.13      | 46        | 0.3                      | 1.7       | <b>1.1</b>               | 0.08   | 0.11  | C21             |
| Liver                        | 304       | 2.0       | 11.8                     | <b>7.8</b>   | 0.48                     | 0.92      | 124       | 0.8                      | 4.5       | <b>2.4</b>               | 0.12   | 0.26  | C22             |
| Gallbladder etc.             | 90        | 0.6       | 3.5                      | <b>1.9</b>   | 0.06                     | 0.22      | 102       | 0.7                      | 3.7       | <b>1.7</b>               | 0.08   | 0.19  | C23-24          |
| Pancreas                     | 324       | 2.1       | 12.6                     | <b>7.7</b>   | 0.37                     | 0.93      | 354       | 2.4                      | 12.9      | <b>6.2</b>               | 0.30   | 0.75  | C25             |
| Nose, sinuses etc.           | 30        | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.09      | 15        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 221       | 1.4       | 8.6                      | <b>5.8</b>   | 0.34                     | 0.72      | 54        | 0.4                      | 2.0       | <b>1.2</b>               | 0.07   | 0.17  | C32             |
| Trachea, bronchus and lung   | 2322      | 15.2      | 90.2                     | <b>56.5</b>  | 2.51                     | 7.02      | 2076      | 13.9                     | 75.5      | <b>40.7</b>              | 2.16   | 5.18  | C33-34          |
| Other thoracic organs        | 18        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.04      | 10        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 27        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.06      | 31        | 0.2                      | 1.1       | <b>1.1</b>               | 0.06   | 0.08  | C40-41          |
| Melanoma of skin             | 692       | 4.5       | 26.9                     | <b>18.2</b>  | 1.07                     | 2.04      | 561       | 3.8                      | 20.4      | <b>13.5</b>              | 0.92   | 1.43  | C43             |
| Other skin                   | 46        | 0.3       | 1.8                      | <b>1.1</b>   | 0.06                     | 0.10      | 43        | 0.3                      | 1.6       | <b>0.8</b>               | 0.03   | 0.07  | C44             |
| Mesothelioma                 | 60        | 0.4       | 2.3                      | <b>1.2</b>   | 0.04                     | 0.12      | 15        | 0.1                      | 0.5       | <b>0.2</b>               | 0.02   | 0.02  | C45             |
| Kaposi sarcoma               | 26        | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.06      | 7         | 0.0                      | 0.3       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 107       | 0.7       | 4.2                      | <b>3.0</b>   | 0.18                     | 0.29      | 99        | 0.7                      | 3.6       | <b>2.5</b>               | 0.16   | 0.24  | C47+C49         |
| Breast                       | 35        | 0.2       | 1.4                      | <b>0.8</b>   | 0.04                     | 0.10      | 4052      | 27.1                     | 147.4     | <b>92.2</b>              | 6.52   | 10.75 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 119       | 0.8                      | 4.3       | <b>2.5</b>               | 0.17   | 0.28  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 16        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 231       | 1.5                      | 8.4       | <b>6.4</b>               | 0.51   | 0.61  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 953       | 6.4                      | 34.7      | <b>22.4</b>              | 1.70   | 2.73  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 21        | 0.1                      | 0.8       | <b>0.3</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 419       | 2.8                      | 15.2      | <b>9.2</b>               | 0.66   | 1.04  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 27        | 0.2                      | 1.0       | <b>0.6</b>               | 0.05   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 31        | 0.2       | 1.2                      | <b>0.8</b>   | 0.03                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3947      | 25.8      | 153.3                    | <b>105.1</b> | 5.68                     | 14.09     |           |                          |           |                          |        |       | C61             |
| Testis                       | 155       | 1.0       | 6.0                      | <b>5.5</b>   | 0.42                     | 0.42      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 538       | 3.5       | 20.9                     | <b>14.4</b>  | 0.82                     | 1.73      | 359       | 2.4                      | 13.1      | <b>7.7</b>               | 0.44   | 0.86  | C64             |
| Renal pelvis                 | 21        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                     | 0.03      | 30        | 0.2                      | 1.1       | <b>0.4</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 26        | 0.2       | 1.0                      | <b>0.6</b>   | 0.01                     | 0.07      | 13        | 0.1                      | 0.5       | <b>0.2</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 1314      | 8.6       | 51.0                     | <b>30.7</b>  | 1.37                     | 3.59      | 457       | 3.1                      | 16.6      | <b>7.8</b>               | 0.36   | 0.93  | C67             |
| Other urinary organs         | 11        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 31        | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.09      | 29        | 0.2                      | 1.1       | <b>0.9</b>               | 0.06   | 0.08  | C69             |
| Brain, nervous system        | 243       | 1.6       | 9.4                      | <b>7.4</b>   | 0.47                     | 0.68      | 188       | 1.3                      | 6.8       | <b>4.8</b>               | 0.28   | 0.41  | C70-72          |
| Thyroid                      | 187       | 1.2       | 7.3                      | <b>5.5</b>   | 0.41                     | 0.57      | 578       | 3.9                      | 21.0      | <b>17.0</b>              | 1.30   | 1.64  | C73             |
| Adrenal gland                | 9         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 11        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 107       | 0.7       | 4.2                      | <b>3.4</b>   | 0.22                     | 0.28      | 84        | 0.6                      | 3.1       | <b>2.6</b>               | 0.17   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 639       | 4.2       | 24.8                     | <b>16.7</b>  | 0.93                     | 1.91      | 586       | 3.9                      | 21.3      | <b>11.4</b>              | 0.69   | 1.24  | C82-85,C96      |
| Immunoproliferative diseases | 18        | 0.1       | 0.7                      | <b>0.4</b>   | 0.02                     | 0.06      | 10        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 163       | 1.1       | 6.3                      | <b>4.1</b>   | 0.20                     | 0.50      | 161       | 1.1                      | 5.9       | <b>2.8</b>               | 0.12   | 0.33  | C90             |
| Lymphoid leukaemia           | 213       | 1.4       | 8.3                      | <b>6.3</b>   | 0.33                     | 0.61      | 135       | 0.9                      | 4.9       | <b>3.5</b>               | 0.19   | 0.29  | C91             |
| Myeloid leukaemia            | 220       | 1.4       | 8.5                      | <b>5.7</b>   | 0.28                     | 0.59      | 197       | 1.3                      | 7.2       | <b>4.3</b>               | 0.24   | 0.46  | C92-94          |
| Leukaemia unspecified        | 10        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 18        | 0.1                      | 0.7       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 68        | 0.4       | 2.6                      | <b>1.7</b>   | 0.10                     | 0.20      | 80        | 0.5                      | 2.9       | <b>1.5</b>               | 0.09   | 0.18  | MPD             |
| Myelodysplastic syndromes    | 107       | 0.7       | 4.2                      | <b>2.4</b>   | 0.07                     | 0.28      | 105       | 0.7                      | 3.8       | <b>1.4</b>               | 0.05   | 0.14  | MDS             |
| Other and unspecified        | 316       | 2.1       | 12.3                     | <b>7.4</b>   | 0.39                     | 0.80      | 427       | 2.9                      | 15.5      | <b>7.0</b>               | 0.33   | 0.79  | O&U             |
| All sites                    | 15331     |           | 595.6                    | <b>392.7</b> | 20.64                    | 47.10     | 14993     |                          | 545.4     | <b>317.5</b>             | 19.98  | 36.09 | C00-96          |
| All sites except C44         | 15285     | 100.0     | 593.8                    | <b>391.5</b> | 20.58                    | 47.00     | 14950     | 100.0                    | 543.8     | <b>316.7</b>             | 19.95  | 36.03 | C00-96 exc. C44 |

## USA, Rhode Island: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 3         | 0.6       | 1.7                      | <b>2.3</b>   | 0.28                     | 0.28      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C01-02          |
| Mouth                        | 2         | 0.4       | 1.1                      | <b>1.1</b>   | 0.10                     | 0.10      | 5         | 1.0                      | 2.8       | <b>2.9</b>               | 0.23   | 0.38  | C03-06          |
| Salivary glands              | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.06                     | 0.06      | 1         | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C07-08          |
| Tonsil                       | 6         | 1.2       | 3.3                      | <b>4.0</b>   | 0.14                     | 0.54      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C09             |
| Other oropharynx             | 2         | 0.4       | 1.1                      | <b>1.7</b>   | 0.08                     | 0.25      | 2         | 0.4                      | 1.1       | <b>1.3</b>               | 0.11   | 0.11  | C10             |
| Nasopharynx                  | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C11             |
| Hypopharynx                  | 1         | 0.2       | 0.6                      | <b>1.0</b>   | 0.00                     | 0.17      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.08                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 5         | 1.0       | 2.8                      | <b>3.7</b>   | 0.13                     | 0.13      | 4         | 0.8                      | 2.2       | <b>2.4</b>               | 0.05   | 0.30  | C15             |
| Stomach                      | 16        | 3.3       | 8.9                      | <b>11.5</b>  | 0.50                     | 1.60      | 7         | 1.4                      | 3.9       | <b>4.2</b>               | 0.13   | 0.69  | C16             |
| Small intestine              | 2         | 0.4       | 1.1                      | <b>1.5</b>   | 0.17                     | 0.17      | 2         | 0.4                      | 1.1       | <b>1.2</b>               | 0.08   | 0.23  | C17             |
| Colon                        | 28        | 5.8       | 15.6                     | <b>20.5</b>  | 1.18                     | 2.14      | 40        | 8.2                      | 22.3      | <b>23.1</b>              | 1.63   | 2.46  | C18             |
| Rectum                       | 15        | 3.1       | 8.4                      | <b>9.2</b>   | 0.64                     | 1.03      | 14        | 2.9                      | 7.8       | <b>8.2</b>               | 0.83   | 0.83  | C19-20          |
| Anus                         | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.06                     | 0.06      | 3         | 0.6                      | 1.7       | <b>1.5</b>               | 0.13   | 0.13  | C21             |
| Liver                        | 20        | 4.1       | 11.1                     | <b>13.7</b>  | 1.05                     | 1.83      | 9         | 1.8                      | 5.0       | <b>5.4</b>               | 0.45   | 0.60  | C22             |
| Gallbladder etc.             | 4         | 0.8       | 2.2                      | <b>2.9</b>   | 0.08                     | 0.25      | 4         | 0.8                      | 2.2       | <b>2.3</b>               | 0.21   | 0.21  | C23-24          |
| Pancreas                     | 10        | 2.1       | 5.6                      | <b>7.0</b>   | 0.34                     | 0.73      | 11        | 2.2                      | 6.1       | <b>7.1</b>               | 0.18   | 1.14  | C25             |
| Nose, sinuses etc.           | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.08                     | 0.08      | 1         | 0.2                      | 0.6       | <b>0.6</b>               | 0.08   | 0.08  | C30-31          |
| Larynx                       | 6         | 1.2       | 3.3                      | <b>4.8</b>   | 0.36                     | 0.53      | 1         | 0.2                      | 0.6       | <b>0.5</b>               | 0.05   | 0.05  | C32             |
| Trachea, bronchus and lung   | 60        | 12.4      | 33.4                     | <b>42.5</b>  | 1.96                     | 5.14      | 69        | 14.1                     | 38.5      | <b>40.9</b>              | 2.12   | 5.09  | C33-34          |
| Other thoracic organs        | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C37-38          |
| Bone                         | 2         | 0.4       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.06      | 1         | 0.2                      | 0.6       | <b>0.6</b>               | 0.04   | 0.04  | C40-41          |
| Melanoma of skin             | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.04      | 3         | 0.6                      | 1.7       | <b>1.8</b>               | 0.15   | 0.31  | C43             |
| Other skin                   | 5         | 2.8       | 2.8                      | <b>2.8</b>   | 0.18                     | 0.18      | 1         | 0.2                      | 0.6       | <b>0.5</b>               | 0.00   | 0.00  | C44             |
| Mesothelioma                 | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 1         | 0.2       | 0.6                      | <b>0.6</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C46             |
| Connective and soft tissue   | 4         | 0.8       | 2.2                      | <b>2.6</b>   | 0.12                     | 0.29      | 6         | 1.2                      | 3.3       | <b>3.2</b>               | 0.18   | 0.30  | C47+C49         |
| Breast                       | 3         | 0.6       | 1.7                      | <b>2.0</b>   | 0.11                     | 0.33      | 144       | 29.4                     | 80.3      | <b>81.5</b>              | 5.94   | 8.57  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 4         | 0.8                      | 2.2       | <b>2.0</b>               | 0.16   | 0.16  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 18        | 3.7                      | 10.0      | <b>9.5</b>               | 0.77   | 0.92  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 22        | 4.5                      | 12.3      | <b>13.1</b>              | 0.68   | 2.00  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 1         | 0.2                      | 0.6       | <b>0.6</b>               | 0.00   | 0.15  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 15        | 3.1                      | 8.4       | <b>9.1</b>               | 0.71   | 0.99  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.2                      | 0.6       | <b>0.6</b>               | 0.04   | 0.04  | C58             |
| Penis                        | 1         | 0.2       | 0.6                      | <b>1.0</b>   | 0.13                     | 0.13      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 167       | 34.5      | 93.1                     | <b>128.9</b> | 7.52                     | 17.19     |           |                          |           |                          |        |       | C61             |
| Testis                       | 2         | 0.4       | 1.1                      | <b>0.9</b>   | 0.07                     | 0.07      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 24        | 5.0       | 13.4                     | <b>16.7</b>  | 1.04                     | 2.04      | 11        | 2.2                      | 6.1       | <b>6.5</b>               | 0.52   | 0.79  | C64             |
| Renal pelvis                 | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 1         | 0.2       | 0.6                      | <b>0.9</b>   | 0.00                     | 0.22      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 20        | 4.1       | 11.1                     | <b>14.2</b>  | 0.79                     | 1.53      | 7         | 1.4                      | 3.9       | <b>3.2</b>               | 0.08   | 0.20  | C67             |
| Other urinary organs         | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 5         | 1.0       | 2.8                      | <b>3.3</b>   | 0.22                     | 0.22      | 6         | 1.2                      | 3.3       | <b>3.8</b>               | 0.17   | 0.30  | C70-72          |
| Thyroid                      | 5         | 1.0       | 2.8                      | <b>2.4</b>   | 0.15                     | 0.15      | 28        | 5.7                      | 15.6      | <b>15.0</b>              | 1.23   | 1.48  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.2                      | 0.6       | <b>0.6</b>               | 0.08   | 0.08  | C74             |
| Other endocrine              | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 3         | 0.6       | 1.7                      | <b>1.4</b>   | 0.12                     | 0.12      | 3         | 0.6                      | 1.7       | <b>1.8</b>               | 0.18   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 21        | 4.3       | 11.7                     | <b>13.2</b>  | 1.06                     | 1.45      | 9         | 1.8                      | 5.0       | <b>4.5</b>               | 0.26   | 0.57  | C82-85,C96      |
| Immunoproliferative diseases | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 8         | 1.7       | 4.5                      | <b>6.6</b>   | 0.43                     | 0.83      | 10        | 2.0                      | 5.6       | <b>5.5</b>               | 0.24   | 0.67  | C90             |
| Lymphoid leukaemia           | 3         | 0.6       | 1.7                      | <b>2.0</b>   | 0.17                     | 0.17      | 2         | 0.4                      | 1.1       | <b>1.1</b>               | 0.00   | 0.12  | C91             |
| Myeloid leukaemia            | 9         | 1.9       | 5.0                      | <b>6.0</b>   | 0.40                     | 0.57      | 9         | 1.8                      | 5.0       | <b>5.3</b>               | 0.28   | 0.71  | C92-94          |
| Leukaemia unspecified        | 1         | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.03      | 1         | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.04  | C95             |
| Myeloproliferative disorders | 2         | 0.4       | 1.1                      | <b>1.1</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | MPD             |
| Myelodysplastic syndromes    | 2         | 0.4       | 1.1                      | <b>1.4</b>   | 0.00                     | 0.22      | 3         | 0.6                      | 1.7       | <b>1.5</b>               | 0.04   | 0.20  | MDS             |
| Other and unspecified        | 13        | 2.7       | 7.2                      | <b>10.4</b>  | 0.16                     | 0.99      | 11        | 2.2                      | 6.1       | <b>6.3</b>               | 0.12   | 0.83  | O&U             |
| All sites                    | 489       |           | 272.6                    | <b>351.1</b> | 20.09                    | 42.02     | 491       |                          | 273.9     | <b>280.5</b>             | 18.28  | 32.04 | C00-96          |
| All sites except C44         | 484       | 100.0     | 269.8                    | <b>348.3</b> | 19.92                    | 41.85     | 490       | 100.0                    | 273.3     | <b>280.0</b>             | 18.28  | 32.04 | C00-96 exc. C44 |

## USA, Rhode Island: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 10        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.02      | 6         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 111       | 0.8       | 4.8                      | <b>3.2</b>   | 0.22                     | 0.34      | 50        | 0.4                      | 2.0       | <b>1.3</b>               | 0.08   | 0.16  | C01-02          |
| Mouth                        | 80        | 0.6       | 3.5                      | <b>2.3</b>   | 0.15                     | 0.27      | 37        | 0.3                      | 1.5       | <b>0.8</b>               | 0.05   | 0.08  | C03-06          |
| Salivary glands              | 32        | 0.2       | 1.4                      | <b>0.9</b>   | 0.05                     | 0.09      | 21        | 0.1                      | 0.9       | <b>0.5</b>               | 0.03   | 0.06  | C07-08          |
| Tonsil                       | 62        | 0.4       | 2.7                      | <b>1.9</b>   | 0.17                     | 0.22      | 19        | 0.1                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 22        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                     | 0.09      | 13        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C10             |
| Nasopharynx                  | 17        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.06      | 7         | 0.0                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 45        | 0.3       | 2.0                      | <b>1.3</b>   | 0.08                     | 0.17      | 7         | 0.0                      | 0.3       | <b>0.1</b>               | 0.00   | 0.02  | C12-13          |
| Pharynx unspecified          | 6         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 286       | 2.0       | 12.4                     | <b>7.9</b>   | 0.43                     | 1.05      | 88        | 0.6                      | 3.6       | <b>1.6</b>               | 0.07   | 0.19  | C15             |
| Stomach                      | 295       | 2.1       | 12.8                     | <b>7.5</b>   | 0.37                     | 0.86      | 172       | 1.2                      | 7.0       | <b>2.9</b>               | 0.12   | 0.35  | C16             |
| Small intestine              | 60        | 0.4       | 2.6                      | <b>1.7</b>   | 0.10                     | 0.21      | 81        | 0.6                      | 3.3       | <b>1.8</b>               | 0.11   | 0.22  | C17             |
| Colon                        | 992       | 6.9       | 43.1                     | <b>24.4</b>  | 1.02                     | 2.80      | 1142      | 8.1                      | 46.2      | <b>19.1</b>              | 0.81   | 2.15  | C18             |
| Rectum                       | 459       | 3.2       | 19.9                     | <b>12.2</b>  | 0.67                     | 1.42      | 381       | 2.7                      | 15.4      | <b>7.9</b>               | 0.45   | 0.91  | C19-20          |
| Anus                         | 35        | 0.2       | 1.5                      | <b>1.0</b>   | 0.07                     | 0.14      | 43        | 0.3                      | 1.7       | <b>1.0</b>               | 0.08   | 0.11  | C21             |
| Liver                        | 264       | 1.8       | 11.5                     | <b>7.0</b>   | 0.42                     | 0.83      | 111       | 0.8                      | 4.5       | <b>2.2</b>               | 0.10   | 0.24  | C22             |
| Gallbladder etc.             | 81        | 0.6       | 3.5                      | <b>1.8</b>   | 0.06                     | 0.21      | 95        | 0.7                      | 3.8       | <b>1.6</b>               | 0.08   | 0.18  | C23-24          |
| Pancreas                     | 307       | 2.1       | 13.3                     | <b>7.8</b>   | 0.37                     | 0.94      | 338       | 2.4                      | 13.7      | <b>6.1</b>               | 0.30   | 0.73  | C25             |
| Nose, sinuses etc.           | 28        | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.09      | 14        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 215       | 1.5       | 9.3                      | <b>5.9</b>   | 0.35                     | 0.75      | 52        | 0.4                      | 2.1       | <b>1.2</b>               | 0.07   | 0.17  | C32             |
| Trachea, bronchus and lung   | 2226      | 15.5      | 96.7                     | <b>57.2</b>  | 2.53                     | 7.13      | 1990      | 14.1                     | 80.6      | <b>41.2</b>              | 2.20   | 5.26  | C33-34          |
| Other thoracic organs        | 18        | 0.1       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.04      | 10        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 24        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.06      | 29        | 0.2                      | 1.2       | <b>1.1</b>               | 0.07   | 0.08  | C40-41          |
| Melanoma of skin             | 666       | 4.6       | 28.9                     | <b>18.7</b>  | 1.09                     | 2.10      | 540       | 3.8                      | 21.9      | <b>14.1</b>              | 0.97   | 1.47  | C43             |
| Other skin                   | 41        | 0.3       | 1.8                      | <b>1.0</b>   | 0.05                     | 0.09      | 42        | 0.3                      | 1.7       | <b>0.8</b>               | 0.03   | 0.07  | C44             |
| Mesothelioma                 | 58        | 0.4       | 2.5                      | <b>1.3</b>   | 0.05                     | 0.12      | 15        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.02  | C45             |
| Kaposi sarcoma               | 24        | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                     | 0.06      | 6         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 102       | 0.7       | 4.4                      | <b>3.0</b>   | 0.19                     | 0.29      | 91        | 0.6                      | 3.7       | <b>2.5</b>               | 0.16   | 0.24  | C47+C49         |
| Breast                       | 32        | 0.2       | 1.4                      | <b>0.8</b>   | 0.04                     | 0.10      | 3847      | 27.3                     | 155.7     | <b>93.4</b>              | 6.60   | 10.93 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 108       | 0.8                      | 4.4       | <b>2.3</b>               | 0.16   | 0.26  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 15        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 193       | 1.4                      | 7.8       | <b>5.9</b>               | 0.46   | 0.55  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 865       | 6.1                      | 35.0      | <b>21.7</b>              | 1.64   | 2.64  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 20        | 0.1                      | 0.8       | <b>0.3</b>               | 0.03   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 387       | 2.7                      | 15.7      | <b>9.0</b>               | 0.65   | 1.01  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 26        | 0.2                      | 1.1       | <b>0.6</b>               | 0.05   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 28        | 0.2       | 1.2                      | <b>0.7</b>   | 0.02                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3557      | 24.8      | 154.6                    | <b>100.4</b> | 5.49                     | 13.50     |           |                          |           |                          |        |       | C61             |
| Testis                       | 153       | 1.1       | 6.6                      | <b>6.1</b>   | 0.47                     | 0.47      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 504       | 3.5       | 21.9                     | <b>14.3</b>  | 0.81                     | 1.72      | 345       | 2.4                      | 14.0      | <b>7.9</b>               | 0.45   | 0.87  | C64             |
| Renal pelvis                 | 21        | 0.1       | 0.9                      | <b>0.4</b>   | 0.02                     | 0.04      | 30        | 0.2                      | 1.2       | <b>0.4</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 24        | 0.2       | 1.0                      | <b>0.6</b>   | 0.01                     | 0.06      | 13        | 0.1                      | 0.5       | <b>0.2</b>               | 0.00   | 0.02  | C66             |
| Bladder                      | 1273      | 8.9       | 55.3                     | <b>31.2</b>  | 1.40                     | 3.65      | 441       | 3.1                      | 17.9      | <b>8.0</b>               | 0.38   | 0.97  | C67             |
| Other urinary organs         | 11        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.04      | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 31        | 0.2       | 1.3                      | <b>0.9</b>   | 0.06                     | 0.10      | 28        | 0.2                      | 1.1       | <b>0.9</b>               | 0.06   | 0.09  | C69             |
| Brain, nervous system        | 237       | 1.7       | 10.3                     | <b>7.9</b>   | 0.50                     | 0.72      | 177       | 1.3                      | 7.2       | <b>4.8</b>               | 0.28   | 0.41  | C70-72          |
| Thyroid                      | 180       | 1.3       | 7.8                      | <b>5.7</b>   | 0.44                     | 0.60      | 523       | 3.7                      | 21.2      | <b>16.9</b>              | 1.29   | 1.63  | C73             |
| Adrenal gland                | 9         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.02      | 10        | 0.1                      | 0.4       | <b>0.4</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 101       | 0.7       | 4.4                      | <b>3.5</b>   | 0.23                     | 0.30      | 80        | 0.6                      | 3.2       | <b>2.7</b>               | 0.18   | 0.21  | C81             |
| Non-Hodgkin lymphoma         | 610       | 4.2       | 26.5                     | <b>16.9</b>  | 0.93                     | 1.95      | 569       | 4.0                      | 23.0      | <b>11.7</b>              | 0.72   | 1.29  | C82-85,C96      |
| Immunoproliferative diseases | 18        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06      | 10        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C88             |
| Multiple myeloma             | 152       | 1.1       | 6.6                      | <b>4.0</b>   | 0.19                     | 0.50      | 148       | 1.0                      | 6.0       | <b>2.7</b>               | 0.12   | 0.31  | C90             |
| Lymphoid leukaemia           | 205       | 1.4       | 8.9                      | <b>6.7</b>   | 0.35                     | 0.64      | 130       | 0.9                      | 5.3       | <b>3.7</b>               | 0.20   | 0.31  | C91             |
| Myeloid leukaemia            | 209       | 1.5       | 9.1                      | <b>5.7</b>   | 0.28                     | 0.60      | 185       | 1.3                      | 7.5       | <b>4.4</b>               | 0.25   | 0.46  | C92-94          |
| Leukaemia unspecified        | 9         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                     | 0.03      | 17        | 0.1                      | 0.7       | <b>0.2</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 64        | 0.4       | 2.8                      | <b>1.7</b>   | 0.10                     | 0.21      | 78        | 0.6                      | 3.2       | <b>1.5</b>               | 0.09   | 0.18  | MPD             |
| Myelodysplastic syndromes    | 104       | 0.7       | 4.5                      | <b>2.4</b>   | 0.08                     | 0.28      | 100       | 0.7                      | 4.0       | <b>1.4</b>               | 0.05   | 0.13  | MDS             |
| Other and unspecified        | 295       | 2.1       | 12.8                     | <b>7.3</b>   | 0.39                     | 0.79      | 402       | 2.8                      | 16.3      | <b>6.9</b>               | 0.33   | 0.77  | O&U             |
| All sites                    | 14401     |           | 625.8                    | <b>391.6</b> | 20.58                    | 46.96     | 14154     |                          | 573.0     | <b>318.6</b>             | 19.99  | 36.21 | C00-96          |
| All sites except C44         | 14360     | 100.0     | 624.1                    | <b>390.6</b> | 20.53                    | 46.87     | 14112     | 100.0                    | 571.3     | <b>317.8</b>             | 19.96  | 36.14 | C00-96 exc. C44 |



# USA, South Carolina

## REGISTRATION AREA

The South Carolina Central Cancer Registry (SCCCR) covers the state of South Carolina, which has a population of approximately 4.6 million (67% White, 32% Black, and 1% of other races). The proportion of Hispanic residents is increasing. South Carolina is considered to be 66% urban and 34% rural.

## CANCER CARE FACILITIES

Comprehensive cancer services are provided by 17 hospitals with cancer programmes approved by the American College of Surgeons Commission on Cancer. Independent radiotherapy and medical oncology facilities also provide cancer treatment. The South Carolina Cancer Alliance (a coalition of cancer stakeholders) provides and evaluates the state's Cancer Prevention and Control Plan.

## REGISTRY STRUCTURE AND METHODS

The SCCCR is located at the Department of Health and Environmental Control (DHEC) and is established through state law, with accompanying regulations specifying the data to be collected and the rules for data confidentiality and use. The SCCCR actively collects cases from hospitals, pathology laboratories, free-standing treatment centres, and selected physician specialities. Quality control is conducted via electronic edits and visual review of cases. All data are geocoded and used for spatial analysis to assess community cancer concerns.

## INTERPRETING THE RESULTS

In South Carolina, the Best Chance Network (BCN) provides uninsured and underserved women aged 47–64 years with free breast and cervical cancer screening. The programme is funded by the United States Centers for Disease Control and Prevention (CDC) and provides services including mammograms, clinical breast exams, Pap tests, pelvic exams, diagnostic procedures, case management, and community education on breast/cervical cancer and early detection. Women who qualify for BCN services may also qualify for the Well-Integrated Screening and Evaluation for Women Across the Nation

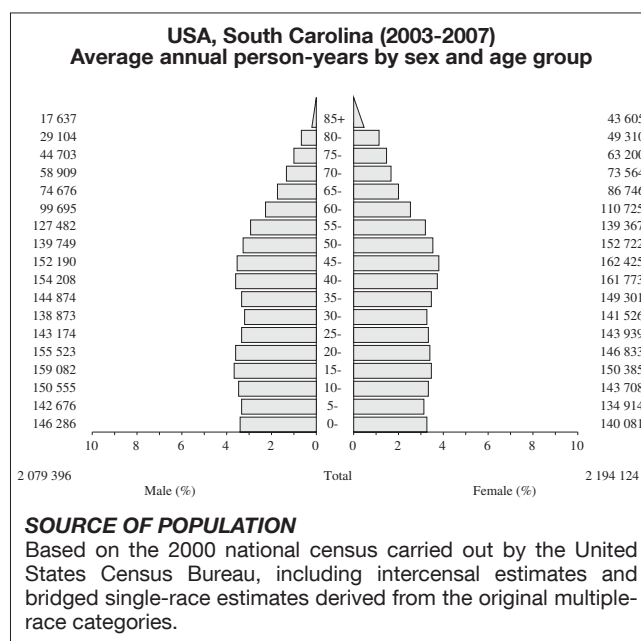
(WISEWOMAN) programme, which provides screening and referral to community resources for women to help reduce their risk of heart disease and stroke.

## USE OF THE DATA

Data are submitted annually to CDC and the North American Association of Central Cancer Registries (NAACCR). The registry has achieved NAACCR Gold or Silver Certification for data completeness, timeliness, and quality each year since 1997. Data are used for cancer control planning, policy development, and evaluation of the state cancer plan, and are provided to external researchers. Public access to incidence and mortality data is provided on the DHEC South Carolina Community Assessment Network (SCAN) website, which provides interactive data queries, tables, and maps.

## CONTRIBUTORS

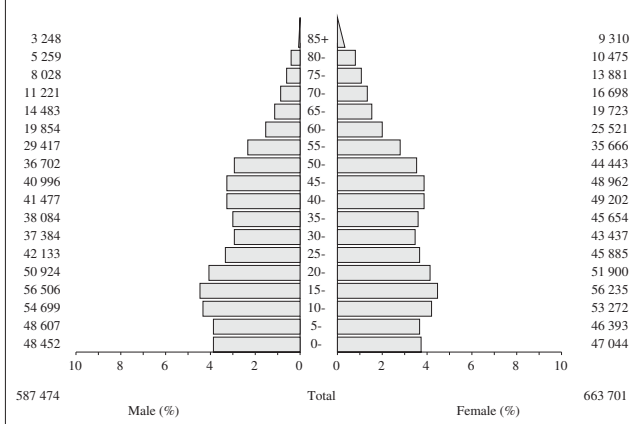
Susan Bolick  
Deborah Hurley



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 115.9 | Breast                     | 86.0  |
| Trachea, bronchus and lung | 65.3  | Trachea, bronchus and lung | 36.3  |
| Colon                      | 26.4  | Colon                      | 20.4  |
| Melanoma of skin           | 18.5  | Corpus uteri               | 13.9  |
| Bladder                    | 18.3  | Melanoma of skin           | 13.2  |
| Non-Hodgkin lymphoma       | 14.2  | Non-Hodgkin lymphoma       | 9.8   |
| Kidney                     | 13.0  | Thyroid                    | 9.2   |
| Rectum                     | 11.4  | Ovary                      | 8.5   |
| Other and unspecified      | 8.7   | Kidney                     | 7.4   |
| Pancreas                   | 8.6   | Rectum                     | 6.9   |
| All sites                  | 390.0 | All sites                  | 280.0 |

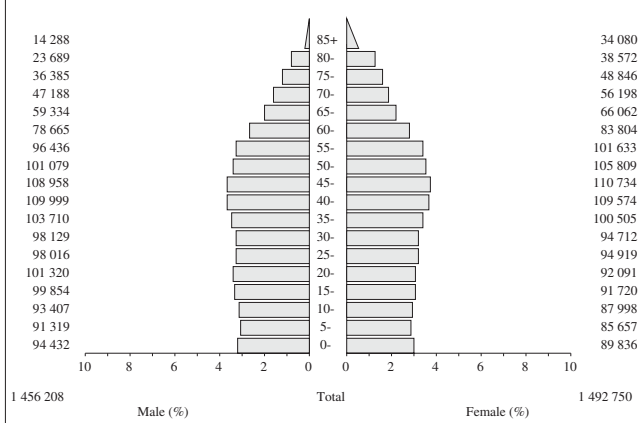
**USA, South Carolina: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, SOUTH CAROLINA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 176.3        | Breast                     | 84.1         |
| Trachea, bronchus and lung | 70.5         | Trachea, bronchus and lung | 27.4         |
| Colon                      | 34.1         | Colon                      | 25.7         |
| Kidney                     | 13.2         | Corpus uteri               | 15.1         |
| Non-Hodgkin lymphoma       | 12.1         | Kidney                     | 8.3          |
| Stomach                    | 12.1         | Cervix uteri               | 8.1          |
| Oesophagus                 | 11.8         | Non-Hodgkin lymphoma       | 7.5          |
| Rectum                     | 11.2         | Multiple myeloma           | 7.2          |
| Pancreas                   | 11.0         | Pancreas                   | 7.0          |
| Larynx                     | 10.7         | Rectum                     | 7.0          |
| <b>All sites</b>           | <b>446.5</b> | <b>All sites</b>           | <b>260.6</b> |

**USA, South Carolina: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, SOUTH CAROLINA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |              | Female                     |              |
|----------------------------|--------------|----------------------------|--------------|
| Prostate                   | 98.4         | Breast                     | 86.3         |
| Trachea, bronchus and lung | 63.8         | Trachea, bronchus and lung | 39.2         |
| Colon                      | 24.3         | Colon                      | 18.6         |
| Melanoma of skin           | 23.4         | Melanoma of skin           | 18.1         |
| Bladder                    | 20.9         | Corpus uteri               | 13.7         |
| Non-Hodgkin lymphoma       | 14.5         | Non-Hodgkin lymphoma       | 10.4         |
| Kidney                     | 13.0         | Thyroid                    | 10.4         |
| Rectum                     | 11.3         | Ovary                      | 9.2          |
| Other and unspecified      | 8.3          | Kidney                     | 7.3          |
| Pancreas                   | 8.0          | Rectum                     | 6.8          |
| <b>All sites</b>           | <b>373.2</b> | <b>All sites</b>           | <b>286.4</b> |

## USA, South Carolina (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 95        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07      | 21        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 511       | 0.9       | 4.9                      | <b>3.6</b>   | 0.28                     | 0.44      | 173       | 0.4                      | 1.6       | <b>1.0</b>               | 0.07   | 0.11  | C01-02          |
| Mouth                        | 370       | 0.6       | 3.6                      | <b>2.6</b>   | 0.18                     | 0.30      | 218       | 0.4                      | 2.0       | <b>1.2</b>               | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 149       | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                     | 0.10      | 86        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 358       | 0.6       | 3.4                      | <b>2.6</b>   | 0.20                     | 0.30      | 109       | 0.2                      | 1.0       | <b>0.7</b>               | 0.05   | 0.07  | C09             |
| Other oropharynx             | 106       | 0.2       | 1.0                      | <b>0.8</b>   | 0.06                     | 0.09      | 36        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C10             |
| Nasopharynx                  | 97        | 0.2       | 0.9                      | <b>0.7</b>   | 0.06                     | 0.07      | 40        | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 207       | 0.4       | 2.0                      | <b>1.4</b>   | 0.11                     | 0.17      | 40        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 63        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 24        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 983       | 1.7       | 9.5                      | <b>6.6</b>   | 0.41                     | 0.83      | 272       | 0.6                      | 2.5       | <b>1.5</b>               | 0.09   | 0.18  | C15             |
| Stomach                      | 955       | 1.7       | 9.2                      | <b>6.3</b>   | 0.31                     | 0.78      | 616       | 1.3                      | 5.6       | <b>3.0</b>               | 0.15   | 0.33  | C16             |
| Small intestine              | 259       | 0.4       | 2.5                      | <b>1.7</b>   | 0.11                     | 0.21      | 262       | 0.5                      | 2.4       | <b>1.5</b>               | 0.10   | 0.17  | C17             |
| Colon                        | 4036      | 7.0       | 38.8                     | <b>26.4</b>  | 1.40                     | 3.15      | 4081      | 8.3                      | 37.2      | <b>20.4</b>              | 1.08   | 2.35  | C18             |
| Rectum                       | 1668      | 2.9       | 16.0                     | <b>11.4</b>  | 0.73                     | 1.40      | 1250      | 2.5                      | 11.4      | <b>6.9</b>               | 0.44   | 0.82  | C19-20          |
| Anus                         | 131       | 0.2       | 1.3                      | <b>0.9</b>   | 0.07                     | 0.10      | 213       | 0.4                      | 1.9       | <b>1.2</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 764       | 1.3       | 7.3                      | <b>5.2</b>   | 0.34                     | 0.60      | 279       | 0.6                      | 2.5       | <b>1.5</b>               | 0.08   | 0.17  | C22             |
| Gallbladder etc.             | 248       | 0.4       | 2.4                      | <b>1.6</b>   | 0.07                     | 0.20      | 297       | 0.6                      | 2.7       | <b>1.4</b>               | 0.06   | 0.17  | C23-24          |
| Pancreas                     | 1314      | 2.3       | 12.6                     | <b>8.6</b>   | 0.48                     | 1.03      | 1275      | 2.6                      | 11.6      | <b>6.1</b>               | 0.30   | 0.70  | C25             |
| Nose, sinuses etc.           | 128       | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.10      | 58        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 1011      | 1.8       | 9.7                      | <b>7.0</b>   | 0.47                     | 0.86      | 210       | 0.4                      | 1.9       | <b>1.3</b>               | 0.09   | 0.16  | C32             |
| Trachea, bronchus and lung   | 9977      | 17.3      | 96.0                     | <b>65.3</b>  | 3.23                     | 8.31      | 6865      | 14.0                     | 62.6      | <b>36.3</b>              | 1.92   | 4.70  | C33-34          |
| Other thoracic organs        | 43        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03      | 35        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 96        | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.07      | 98        | 0.2                      | 0.9       | <b>0.8</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 2698      | 4.7       | 25.9                     | <b>18.5</b>  | 1.11                     | 2.13      | 1992      | 4.0                      | 18.2      | <b>13.2</b>              | 0.95   | 1.34  | C43             |
| Other skin                   | 160       | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.12      | 152       | 0.3                      | 1.4       | <b>0.9</b>               | 0.05   | 0.09  | C44             |
| Mesothelioma                 | 149       | 0.3       | 1.4                      | <b>0.9</b>   | 0.03                     | 0.11      | 38        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C45             |
| Kaposi sarcoma               | 41        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03      | 9         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 379       | 0.7       | 3.6                      | <b>2.7</b>   | 0.16                     | 0.27      | 280       | 0.6                      | 2.6       | <b>1.8</b>               | 0.11   | 0.17  | C47+C49         |
| Breast                       | 135       | 0.2       | 1.3                      | <b>0.9</b>   | 0.06                     | 0.12      | 14552     | 29.6                     | 132.6     | <b>86.0</b>              | 6.11   | 9.98  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 306       | 0.6                      | 2.8       | <b>1.7</b>               | 0.10   | 0.18  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 100       | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 931       | 1.9                      | 8.5       | <b>6.5</b>               | 0.52   | 0.63  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 2394      | 4.9                      | 21.8      | <b>13.9</b>              | 0.95   | 1.72  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 91        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 1489      | 3.0                      | 13.6      | <b>8.5</b>               | 0.54   | 0.99  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 80        | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 11        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 80        | 0.1       | 0.8                      | <b>0.5</b>   | 0.03                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 17229     | 29.9      | 165.7                    | <b>115.9</b> | 6.07                     | 15.70     |           |                          |           |                          |        |       | C61             |
| Testis                       | 414       | 0.7       | 4.0                      | <b>3.8</b>   | 0.28                     | 0.28      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 12        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1873      | 3.2       | 18.0                     | <b>13.0</b>  | 0.83                     | 1.58      | 1290      | 2.6                      | 11.8      | <b>7.4</b>               | 0.48   | 0.85  | C64             |
| Renal pelvis                 | 72        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.05      | 61        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 81        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06      | 44        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 2929      | 5.1       | 28.2                     | <b>18.3</b>  | 0.75                     | 2.19      | 1020      | 2.1                      | 9.3       | <b>4.7</b>               | 0.21   | 0.55  | C67             |
| Other urinary organs         | 26        | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 19        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 78        | 0.1       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.06      | 63        | 0.1                      | 0.6       | <b>0.5</b>               | 0.03   | 0.04  | C69             |
| Brain, nervous system        | 792       | 1.4       | 7.6                      | <b>6.2</b>   | 0.38                     | 0.61      | 683       | 1.4                      | 6.2       | <b>4.7</b>               | 0.28   | 0.45  | C70-72          |
| Thyroid                      | 390       | 0.7       | 3.8                      | <b>2.9</b>   | 0.21                     | 0.32      | 1290      | 2.6                      | 11.8      | <b>9.2</b>               | 0.72   | 0.92  | C73             |
| Adrenal gland                | 29        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03      | 26        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 28        | 0.0       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.02      | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 329       | 0.6       | 3.2                      | <b>2.8</b>   | 0.19                     | 0.24      | 237       | 0.5                      | 2.2       | <b>2.0</b>               | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 2050      | 3.6       | 19.7                     | <b>14.2</b>  | 0.80                     | 1.60      | 1793      | 3.6                      | 16.3      | <b>9.8</b>               | 0.55   | 1.11  | C82-85,C96      |
| Immunoproliferative diseases | 17        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 18        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 752       | 1.3       | 7.2                      | <b>4.9</b>   | 0.24                     | 0.60      | 731       | 1.5                      | 6.7       | <b>3.8</b>               | 0.21   | 0.46  | C90             |
| Lymphoid leukaemia           | 780       | 1.4       | 7.5                      | <b>5.8</b>   | 0.29                     | 0.59      | 549       | 1.1                      | 5.0       | <b>3.1</b>               | 0.15   | 0.31  | C91             |
| Myeloid leukaemia            | 701       | 1.2       | 6.7                      | <b>4.9</b>   | 0.25                     | 0.48      | 539       | 1.1                      | 4.9       | <b>3.2</b>               | 0.18   | 0.34  | C92-94          |
| Leukaemia unspecified        | 70        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.04      | 59        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 245       | 0.4       | 2.4                      | <b>1.6</b>   | 0.10                     | 0.18      | 220       | 0.4                      | 2.0       | <b>1.2</b>               | 0.06   | 0.14  | MPD             |
| Myelodysplastic syndromes    | 394       | 0.7       | 3.8                      | <b>2.3</b>   | 0.07                     | 0.24      | 330       | 0.7                      | 3.0       | <b>1.5</b>               | 0.06   | 0.16  | MDS             |
| Other and unspecified        | 1315      | 2.3       | 12.6                     | <b>8.7</b>   | 0.46                     | 1.01      | 1378      | 2.8                      | 12.6      | <b>6.6</b>               | 0.34   | 0.72  | O&U             |
| All sites                    | 57817     |           | 556.1                    | <b>390.0</b> | 21.24                    | 48.02     | 49346     |                          | 449.8     | <b>280.0</b>             | 17.65  | 32.14 | C00-96          |
| All sites except C44         | 57657     | 100.0     | 554.6                    | <b>388.9</b> | 21.18                    | 47.90     | 49194     | 100.0                    | 448.4     | <b>279.1</b>             | 17.59  | 32.06 | C00-96 exc. C44 |

## USA, South Carolina: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C00             |
| Tongue                       | 117       | 0.8       | 4.0                      | <b>3.7</b>   | 0.30                     | 0.45      | 25        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.06  | C01-02          |
| Mouth                        | 104       | 0.8       | 3.5                      | <b>3.3</b>   | 0.29                     | 0.39      | 52        | 0.5                      | 1.6       | <b>1.2</b>               | 0.07   | 0.14  | C03-06          |
| Salivary glands              | 19        | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.06      | 20        | 0.2                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 89        | 0.6       | 3.0                      | <b>2.9</b>   | 0.20                     | 0.35      | 21        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.05  | C09             |
| Other oropharynx             | 42        | 0.3       | 1.4                      | <b>1.2</b>   | 0.10                     | 0.13      | 9         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C10             |
| Nasopharynx                  | 36        | 0.3       | 1.2                      | <b>1.2</b>   | 0.09                     | 0.12      | 8         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.03  | C11             |
| Hypopharynx                  | 84        | 0.6       | 2.9                      | <b>2.6</b>   | 0.18                     | 0.32      | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 27        | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.09      | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 366       | 2.7       | 12.5                     | <b>11.8</b>  | 0.75                     | 1.56      | 101       | 0.9                      | 3.0       | <b>2.4</b>               | 0.17   | 0.30  | C15             |
| Stomach                      | 385       | 2.8       | 13.1                     | <b>12.1</b>  | 0.58                     | 1.45      | 239       | 2.1                      | 7.2       | <b>4.9</b>               | 0.26   | 0.53  | C16             |
| Small intestine              | 74        | 0.5       | 2.5                      | <b>2.3</b>   | 0.16                     | 0.27      | 98        | 0.9                      | 3.0       | <b>2.2</b>               | 0.16   | 0.26  | C17             |
| Colon                        | 1083      | 7.9       | 36.9                     | <b>34.1</b>  | 1.88                     | 4.09      | 1207      | 10.6                     | 36.4      | <b>25.7</b>              | 1.48   | 2.97  | C18             |
| Rectum                       | 348       | 2.5       | 11.8                     | <b>11.2</b>  | 0.68                     | 1.40      | 304       | 2.7                      | 9.2       | <b>7.0</b>               | 0.50   | 0.82  | C19-20          |
| Anus                         | 44        | 0.3       | 1.5                      | <b>1.4</b>   | 0.09                     | 0.14      | 36        | 0.3                      | 1.1       | <b>0.8</b>               | 0.06   | 0.09  | C21             |
| Liver                        | 184       | 1.3       | 6.3                      | <b>5.7</b>   | 0.43                     | 0.67      | 71        | 0.6                      | 2.1       | <b>1.7</b>               | 0.09   | 0.20  | C22             |
| Gallbladder etc.             | 65        | 0.5       | 2.2                      | <b>2.1</b>   | 0.09                     | 0.27      | 84        | 0.7                      | 2.5       | <b>1.9</b>               | 0.11   | 0.23  | C23-24          |
| Pancreas                     | 346       | 2.5       | 11.8                     | <b>11.0</b>  | 0.68                     | 1.29      | 346       | 3.0                      | 10.4      | <b>7.0</b>               | 0.35   | 0.82  | C25             |
| Nose, sinuses etc.           | 25        | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.09      | 12        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 336       | 2.4       | 11.4                     | <b>10.7</b>  | 0.74                     | 1.34      | 68        | 0.6                      | 2.0       | <b>1.6</b>               | 0.11   | 0.21  | C32             |
| Trachea, bronchus and lung   | 2177      | 15.8      | 74.1                     | <b>70.5</b>  | 4.00                     | 9.02      | 1224      | 10.8                     | 36.9      | <b>27.4</b>              | 1.62   | 3.44  | C33-34          |
| Other thoracic organs        | 15        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.06      | 14        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 32        | 0.2       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.08      | 21        | 0.2                      | 0.6       | <b>0.6</b>               | 0.04   | 0.05  | C40-41          |
| Melanoma of skin             | 17        | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.07      | 29        | 0.3                      | 0.9       | <b>0.6</b>               | 0.03   | 0.06  | C43             |
| Other skin                   | 31        | 0.2       | 1.1                      | <b>1.0</b>   | 0.08                     | 0.09      | 31        | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.07  | C44             |
| Mesothelioma                 | 10        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.05      | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 15        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.05      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 69        | 0.5       | 2.3                      | <b>2.2</b>   | 0.15                     | 0.23      | 79        | 0.7                      | 2.4       | <b>1.9</b>               | 0.10   | 0.20  | C47+C49         |
| Breast                       | 41        | 0.3       | 1.4                      | <b>1.3</b>   | 0.08                     | 0.15      | 3541      | 31.1                     | 106.7     | <b>84.1</b>              | 6.18   | 9.63  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 42        | 0.4                      | 1.3       | <b>0.9</b>               | 0.06   | 0.10  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 24        | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 334       | 2.9                      | 10.1      | <b>8.1</b>               | 0.62   | 0.82  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 640       | 5.6                      | 19.3      | <b>15.1</b>              | 0.88   | 1.91  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 44        | 0.4                      | 1.3       | <b>0.9</b>               | 0.06   | 0.10  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 278       | 2.4                      | 8.4       | <b>6.3</b>               | 0.41   | 0.71  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 17        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 23        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 5328      | 38.7      | 181.4                    | <b>176.3</b> | 9.86                     | 23.89     |           |                          |           |                          |        |       | C61             |
| Testis                       | 31        | 0.2       | 1.1                      | <b>1.0</b>   | 0.07                     | 0.08      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 412       | 3.0       | 14.0                     | <b>13.2</b>  | 0.86                     | 1.60      | 365       | 3.2                      | 11.0      | <b>8.3</b>               | 0.52   | 0.91  | C64             |
| Renal pelvis                 | 8         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 7         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C66             |
| Bladder                      | 269       | 2.0       | 9.2                      | <b>8.4</b>   | 0.37                     | 0.94      | 185       | 1.6                      | 5.6       | <b>3.5</b>               | 0.15   | 0.41  | C67             |
| Other urinary organs         | 5         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 5         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C68             |
| Eye                          | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 9         | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.03  | C69             |
| Brain, nervous system        | 109       | 0.8       | 3.7                      | <b>3.6</b>   | 0.22                     | 0.35      | 117       | 1.0                      | 3.5       | <b>3.2</b>               | 0.19   | 0.27  | C70-72          |
| Thyroid                      | 53        | 0.4       | 1.8                      | <b>1.7</b>   | 0.14                     | 0.19      | 260       | 2.3                      | 7.8       | <b>6.5</b>               | 0.50   | 0.66  | C73             |
| Adrenal gland                | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 9         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 8         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.04      | 7         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 57        | 0.4       | 1.9                      | <b>1.8</b>   | 0.13                     | 0.15      | 67        | 0.6                      | 2.0       | <b>2.0</b>               | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 378       | 2.7       | 12.9                     | <b>12.1</b>  | 0.83                     | 1.32      | 322       | 2.8                      | 9.7       | <b>7.5</b>               | 0.46   | 0.78  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 249       | 1.8       | 8.5                      | <b>7.9</b>   | 0.41                     | 0.96      | 325       | 2.9                      | 9.8       | <b>7.2</b>               | 0.43   | 0.87  | C90             |
| Lymphoid leukaemia           | 117       | 0.8       | 4.0                      | <b>3.8</b>   | 0.20                     | 0.39      | 106       | 0.9                      | 3.2       | <b>2.5</b>               | 0.12   | 0.28  | C91             |
| Myeloid leukaemia            | 127       | 0.9       | 4.3                      | <b>4.0</b>   | 0.20                     | 0.40      | 111       | 1.0                      | 3.3       | <b>2.5</b>               | 0.14   | 0.26  | C92-94          |
| Leukaemia unspecified        | 13        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.06      | 8         | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 34        | 0.2       | 1.2                      | <b>1.1</b>   | 0.06                     | 0.14      | 38        | 0.3                      | 1.1       | <b>0.8</b>               | 0.05   | 0.08  | MPD             |
| Myelodysplastic syndromes    | 53        | 0.4       | 1.8                      | <b>1.8</b>   | 0.07                     | 0.21      | 67        | 0.6                      | 2.0       | <b>1.4</b>               | 0.05   | 0.18  | MDS             |
| Other and unspecified        | 320       | 2.3       | 10.9                     | <b>10.1</b>  | 0.55                     | 1.25      | 347       | 3.1                      | 10.5      | <b>6.8</b>               | 0.36   | 0.68  | O&U             |
| All sites                    | 13796     |           | 469.7                    | <b>446.5</b> | 25.99                    | 56.42     | 11401     |                          | 343.6     | <b>260.6</b>             | 16.85  | 29.78 | C00-96          |
| All sites except C44         | 13765     | 100.0     | 468.6                    | <b>445.5</b> | 25.92                    | 56.34     | 11370     | 100.0                    | 342.6     | <b>259.7</b>             | 16.80  | 29.71 | C00-96 exc. C44 |



## USA, South Carolina: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 92        | 0.2       | 1.3                      | <b>0.8</b>   | 0.05                     | 0.09      | 18        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 391       | 0.9       | 5.4                      | <b>3.7</b>   | 0.28                     | 0.44      | 143       | 0.4                      | 1.9       | <b>1.1</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 260       | 0.6       | 3.6                      | <b>2.4</b>   | 0.15                     | 0.28      | 164       | 0.4                      | 2.2       | <b>1.1</b>               | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 130       | 0.3       | 1.8                      | <b>1.1</b>   | 0.06                     | 0.11      | 65        | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.06  | C07-08          |
| Tonsil                       | 268       | 0.6       | 3.7                      | <b>2.5</b>   | 0.21                     | 0.29      | 86        | 0.2                      | 1.2       | <b>0.7</b>               | 0.06   | 0.08  | C09             |
| Other oropharynx             | 64        | 0.1       | 0.9                      | <b>0.6</b>   | 0.05                     | 0.08      | 27        | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C10             |
| Nasopharynx                  | 59        | 0.1       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.06      | 30        | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 123       | 0.3       | 1.7                      | <b>1.1</b>   | 0.08                     | 0.13      | 32        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 36        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.04      | 21        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 614       | 1.4       | 8.4                      | <b>5.2</b>   | 0.31                     | 0.64      | 168       | 0.5                      | 2.3       | <b>1.2</b>               | 0.07   | 0.14  | C15             |
| Stomach                      | 552       | 1.3       | 7.6                      | <b>4.7</b>   | 0.23                     | 0.59      | 362       | 1.0                      | 4.9       | <b>2.3</b>               | 0.11   | 0.26  | C16             |
| Small intestine              | 181       | 0.4       | 2.5                      | <b>1.6</b>   | 0.09                     | 0.19      | 161       | 0.4                      | 2.2       | <b>1.2</b>               | 0.08   | 0.14  | C17             |
| Colon                        | 2908      | 6.8       | 39.9                     | <b>24.3</b>  | 1.25                     | 2.89      | 2835      | 7.6                      | 38.0      | <b>18.6</b>              | 0.93   | 2.14  | C18             |
| Rectum                       | 1296      | 3.0       | 17.8                     | <b>11.3</b>  | 0.73                     | 1.39      | 925       | 2.5                      | 12.4      | <b>6.8</b>               | 0.42   | 0.81  | C19-20          |
| Anus                         | 85        | 0.2       | 1.2                      | <b>0.8</b>   | 0.06                     | 0.09      | 175       | 0.5                      | 2.3       | <b>1.4</b>               | 0.11   | 0.16  | C21             |
| Liver                        | 567       | 1.3       | 7.8                      | <b>4.9</b>   | 0.30                     | 0.57      | 197       | 0.5                      | 2.6       | <b>1.3</b>               | 0.07   | 0.15  | C22             |
| Gallbladder etc.             | 180       | 0.4       | 2.5                      | <b>1.5</b>   | 0.07                     | 0.18      | 211       | 0.6                      | 2.8       | <b>1.3</b>               | 0.05   | 0.15  | C23-24          |
| Pancreas                     | 955       | 2.2       | 13.1                     | <b>8.0</b>   | 0.42                     | 0.96      | 919       | 2.5                      | 12.3      | <b>5.7</b>               | 0.27   | 0.66  | C25             |
| Nose, sinuses etc.           | 103       | 0.2       | 1.4                      | <b>0.9</b>   | 0.06                     | 0.10      | 44        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 668       | 1.6       | 9.2                      | <b>5.9</b>   | 0.39                     | 0.74      | 141       | 0.4                      | 1.9       | <b>1.2</b>               | 0.08   | 0.14  | C32             |
| Trachea, bronchus and lung   | 7729      | 17.9      | 106.2                    | <b>63.8</b>  | 3.01                     | 8.13      | 5592      | 15.0                     | 74.9      | <b>39.2</b>              | 2.04   | 5.11  | C33-34          |
| Other thoracic organs        | 28        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03      | 21        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 63        | 0.1       | 0.9                      | <b>0.8</b>   | 0.05                     | 0.06      | 73        | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 2599      | 6.0       | 35.7                     | <b>23.4</b>  | 1.43                     | 2.66      | 1916      | 5.2                      | 25.7      | <b>18.1</b>              | 1.31   | 1.81  | C43             |
| Other skin                   | 127       | 0.3       | 1.7                      | <b>1.1</b>   | 0.05                     | 0.12      | 116       | 0.3                      | 1.6       | <b>0.9</b>               | 0.05   | 0.09  | C44             |
| Mesothelioma                 | 137       | 0.3       | 1.9                      | <b>1.0</b>   | 0.03                     | 0.13      | 32        | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C45             |
| Kaposi sarcoma               | 22        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 8         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 306       | 0.7       | 4.2                      | <b>2.9</b>   | 0.17                     | 0.28      | 193       | 0.5                      | 2.6       | <b>1.8</b>               | 0.11   | 0.16  | C47+C49         |
| Breast                       | 89        | 0.2       | 1.2                      | <b>0.8</b>   | 0.04                     | 0.10      | 10828     | 29.1                     | 145.1     | <b>86.3</b>              | 6.07   | 10.07 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 259       | 0.7                      | 3.5       | <b>1.9</b>               | 0.12   | 0.21  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 74        | 0.2                      | 1.0       | <b>0.5</b>               | 0.02   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 559       | 1.5                      | 7.5       | <b>5.8</b>               | 0.47   | 0.54  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 1712      | 4.6                      | 22.9      | <b>13.7</b>              | 0.97   | 1.66  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 45        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 1193      | 3.2                      | 16.0      | <b>9.2</b>               | 0.59   | 1.08  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 63        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 9         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 55        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 11560     | 26.8      | 158.8                    | <b>98.4</b>  | 4.91                     | 13.36     |           |                          |           |                          |        |       | C61             |
| Testis                       | 377       | 0.9       | 5.2                      | <b>4.9</b>   | 0.36                     | 0.37      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 11        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1447      | 3.4       | 19.9                     | <b>13.0</b>  | 0.82                     | 1.58      | 919       | 2.5                      | 12.3      | <b>7.3</b>               | 0.47   | 0.84  | C64             |
| Renal pelvis                 | 64        | 0.1       | 0.9                      | <b>0.5</b>   | 0.02                     | 0.06      | 56        | 0.2                      | 0.8       | <b>0.3</b>               | 0.01   | 0.05  | C65             |
| Ureter                       | 76        | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                     | 0.07      | 37        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 2635      | 6.1       | 36.2                     | <b>20.9</b>  | 0.86                     | 2.51      | 827       | 2.2                      | 11.1      | <b>5.1</b>               | 0.24   | 0.60  | C67             |
| Other urinary organs         | 21        | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 14        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 65        | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.07      | 52        | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.04  | C69             |
| Brain, nervous system        | 672       | 1.6       | 9.2                      | <b>6.9</b>   | 0.43                     | 0.68      | 558       | 1.5                      | 7.5       | <b>5.3</b>               | 0.32   | 0.51  | C70-72          |
| Thyroid                      | 331       | 0.8       | 4.5                      | <b>3.3</b>   | 0.23                     | 0.35      | 1008      | 2.7                      | 13.5      | <b>10.4</b>              | 0.81   | 1.02  | C73             |
| Adrenal gland                | 23        | 0.1       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.03      | 17        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 20        | 0.0       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.02      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 264       | 0.6       | 3.6                      | <b>3.2</b>   | 0.21                     | 0.26      | 163       | 0.4                      | 2.2       | <b>2.0</b>               | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 1649      | 3.8       | 22.6                     | <b>14.5</b>  | 0.78                     | 1.66      | 1440      | 3.9                      | 19.3      | <b>10.4</b>              | 0.57   | 1.20  | C82-85,C96      |
| Immunoproliferative diseases | 16        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.02      | 17        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 489       | 1.1       | 6.7                      | <b>4.0</b>   | 0.18                     | 0.49      | 398       | 1.1                      | 5.3       | <b>2.6</b>               | 0.13   | 0.32  | C90             |
| Lymphoid leukaemia           | 641       | 1.5       | 8.8                      | <b>6.4</b>   | 0.31                     | 0.64      | 433       | 1.2                      | 5.8       | <b>3.4</b>               | 0.16   | 0.32  | C91             |
| Myeloid leukaemia            | 565       | 1.3       | 7.8                      | <b>5.1</b>   | 0.26                     | 0.51      | 418       | 1.1                      | 5.6       | <b>3.5</b>               | 0.20   | 0.36  | C92-94          |
| Leukaemia unspecified        | 56        | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                     | 0.04      | 51        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 202       | 0.5       | 2.8                      | <b>1.7</b>   | 0.11                     | 0.18      | 175       | 0.5                      | 2.3       | <b>1.2</b>               | 0.06   | 0.15  | MPD             |
| Myelodysplastic syndromes    | 338       | 0.8       | 4.6                      | <b>2.5</b>   | 0.07                     | 0.25      | 254       | 0.7                      | 3.4       | <b>1.5</b>               | 0.06   | 0.15  | MDS             |
| Other and unspecified        | 980       | 2.3       | 13.5                     | <b>8.3</b>   | 0.44                     | 0.95      | 1019      | 2.7                      | 13.7      | <b>6.5</b>               | 0.33   | 0.73  | O&U             |
| All sites                    | 43189     |           | 593.2                    | <b>373.2</b> | 19.80                    | 45.59     | 37279     |                          | 499.5     | <b>286.4</b>             | 17.95  | 32.89 | C00-96          |
| All sites except C44         | 43062     | 100.0     | 591.4                    | <b>372.1</b> | 19.75                    | 45.46     | 37163     | 100.0                    | 497.9     | <b>285.5</b>             | 17.90  | 32.80 | C00-96 exc. C44 |



# USA, South Dakota

## REGISTRATION AREA

The South Dakota Cancer Registry (SDCR) is a population-based central cancer registry that collects data on all cancer patients who reside within the borders of the state of South Dakota in the USA, or who are diagnosed and/or treated for cancer in South Dakota. At the 2010 national census, the population of South Dakota was approximately 814 000. The population is 86% White, 9% Native American, 1% Black, 1% Asian, and 1% Native Hawaiian, Pacific Islander, or of other races. The remaining 2% of residents identified themselves as being of two or more races. There are equal proportions of males and females in the population; 25% of residents are aged 18 years or younger, and 34% are aged 50 years or older.

## CANCER CARE FACILITIES

All health care providers in South Dakota that diagnose or treat cancer patients are required to report to the SDCR. Seven hospitals in the state have cancer registries. Of these, five have cancer programmes approved by the American College of Surgeons Commission on Cancer.

## REGISTRY STRUCTURE AND METHODS

The registry is located within the South Dakota Department of Health. The reference year for the SDCR is 2001. The registry is funded by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR). The SDCR has two full-time employees: a registry coordinator and a data manager. In addition, three Department of Health employees each dedicate 10% of their time to the SDCR: a chronic disease epidemiologist, a team leader, and an administrator.

## INTERPRETING THE RESULTS

SDCR data meet NPCR and North American Association of Central Cancer Registries (NAACCR)

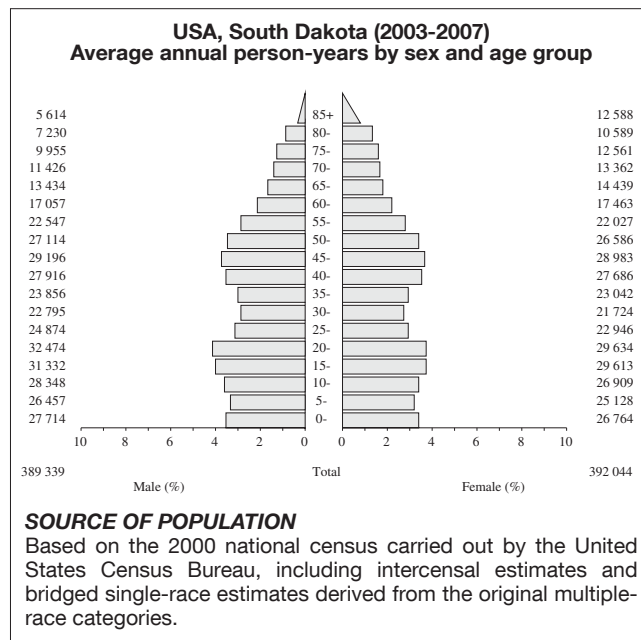
standards for timeliness, completeness, and quality. The data also meet the criteria for inclusion in the *United States Cancer Statistics* and *Cancer in North America* publications. South Dakota has breast cancer, cervical cancer, and colorectal cancer screening programmes, and the state has implemented a human papillomavirus (HPV) and cancer prevention campaign that promotes the HPV vaccine.

## USE OF THE DATA

SDCR data are used for surveillance of cancer incidence and mortality rates, programme planning and evaluation, epidemiological studies, and cancer cluster investigations.

## CONTRIBUTOR

Kay Dosch



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.2 | Breast                     | 82.1  |
| Trachea, bronchus and lung | 47.2  | Trachea, bronchus and lung | 31.6  |
| Colon                      | 22.9  | Corpus uteri               | 18.9  |
| Bladder                    | 20.5  | Colon                      | 18.4  |
| Non-Hodgkin lymphoma       | 13.8  | Thyroid                    | 11.3  |
| Rectum                     | 12.3  | Non-Hodgkin lymphoma       | 11.1  |
| Kidney                     | 12.0  | Melanoma of skin           | 10.3  |
| Melanoma of skin           | 11.6  | Ovary                      | 8.5   |
| Other and unspecified      | 7.7   | Kidney                     | 7.4   |
| Pancreas                   | 6.8   | Other and unspecified      | 6.7   |
| All sites                  | 340.6 | All sites                  | 268.1 |

## USA, South Dakota (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 73        | 0.7       | 3.7                      | <b>2.2</b>   | 0.13                     | 0.26      | 11        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C00             |
| Tongue                       | 49        | 0.5       | 2.5                      | <b>1.8</b>   | 0.14                     | 0.20      | 37        | 0.4                      | 1.9       | <b>1.2</b>               | 0.07   | 0.13  | C01-02          |
| Mouth                        | 52        | 0.5       | 2.7                      | <b>1.8</b>   | 0.10                     | 0.23      | 29        | 0.3                      | 1.5       | <b>1.0</b>               | 0.07   | 0.12  | C03-06          |
| Salivary glands              | 31        | 0.3       | 1.6                      | <b>0.9</b>   | 0.05                     | 0.09      | 24        | 0.3                      | 1.2       | <b>0.7</b>               | 0.03   | 0.07  | C07-08          |
| Tonsil                       | 42        | 0.4       | 2.2                      | <b>1.6</b>   | 0.13                     | 0.20      | 6         | 0.1                      | 0.3       | <b>0.2</b>               | 0.03   | 0.03  | C09             |
| Other oropharynx             | 10        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05      | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 11        | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                     | 0.05      | 4         | 0.0                      | 0.2       | <b>0.2</b>               | 0.00   | 0.03  | C11             |
| Hypopharynx                  | 14        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.06      | 7         | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 177       | 1.7       | 9.1                      | <b>5.9</b>   | 0.28                     | 0.80      | 47        | 0.5                      | 2.4       | <b>1.2</b>               | 0.06   | 0.17  | C15             |
| Stomach                      | 157       | 1.5       | 8.1                      | <b>5.0</b>   | 0.25                     | 0.60      | 80        | 0.9                      | 4.1       | <b>2.1</b>               | 0.11   | 0.24  | C16             |
| Small intestine              | 48        | 0.5       | 2.5                      | <b>1.6</b>   | 0.13                     | 0.16      | 43        | 0.5                      | 2.2       | <b>1.1</b>               | 0.08   | 0.11  | C17             |
| Colon                        | 757       | 7.3       | 38.9                     | <b>22.9</b>  | 1.14                     | 2.59      | 834       | 9.3                      | 42.5      | <b>18.4</b>              | 0.68   | 2.15  | C18             |
| Rectum                       | 356       | 3.4       | 18.3                     | <b>12.3</b>  | 0.73                     | 1.49      | 232       | 2.6                      | 11.8      | <b>6.4</b>               | 0.39   | 0.71  | C19-20          |
| Anus                         | 13        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.05      | 32        | 0.4                      | 1.6       | <b>1.0</b>               | 0.08   | 0.11  | C21             |
| Liver                        | 88        | 0.8       | 4.5                      | <b>3.0</b>   | 0.17                     | 0.36      | 48        | 0.5                      | 2.4       | <b>1.4</b>               | 0.06   | 0.16  | C22             |
| Gallbladder etc.             | 33        | 0.3       | 1.7                      | <b>1.0</b>   | 0.04                     | 0.13      | 50        | 0.6                      | 2.6       | <b>1.1</b>               | 0.05   | 0.11  | C23-24          |
| Pancreas                     | 226       | 2.2       | 11.6                     | <b>6.8</b>   | 0.33                     | 0.74      | 245       | 2.7                      | 12.5      | <b>5.7</b>               | 0.29   | 0.62  | C25             |
| Nose, sinuses etc.           | 18        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07      | 11        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 93        | 0.9       | 4.8                      | <b>3.2</b>   | 0.20                     | 0.43      | 34        | 0.4                      | 1.7       | <b>1.1</b>               | 0.08   | 0.14  | C32             |
| Trachea, bronchus and lung   | 1545      | 14.9      | 79.4                     | <b>47.2</b>  | 2.07                     | 5.91      | 1119      | 12.5                     | 57.1      | <b>31.6</b>              | 1.61   | 4.13  | C33-34          |
| Other thoracic organs        | 5         | 0.0       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C37-38          |
| Bone                         | 29        | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.09      | 15        | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 324       | 3.1       | 16.6                     | <b>11.6</b>  | 0.71                     | 1.30      | 276       | 3.1                      | 14.1      | <b>10.3</b>              | 0.72   | 1.05  | C43             |
| Other skin                   | 16        | 0.0       | 0.8                      | <b>0.5</b>   | 0.03                     | 0.05      | 19        | 0.0                      | 1.0       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 26        | 0.3       | 1.3                      | <b>0.6</b>   | 0.01                     | 0.06      | 4         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 76        | 0.7       | 3.9                      | <b>2.8</b>   | 0.16                     | 0.27      | 45        | 0.5                      | 2.3       | <b>1.4</b>               | 0.09   | 0.13  | C47+C49         |
| Breast                       | 17        | 0.2       | 0.9                      | <b>0.5</b>   | 0.02                     | 0.06      | 2586      | 29.0                     | 131.9     | <b>82.1</b>              | 5.63   | 9.53  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 66        | 0.7                      | 3.4       | <b>1.9</b>               | 0.13   | 0.21  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 13        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 115       | 1.3                      | 5.9       | <b>4.8</b>               | 0.39   | 0.47  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 561       | 6.3                      | 28.6      | <b>18.9</b>              | 1.34   | 2.34  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 11        | 0.1                      | 0.6       | <b>0.2</b>               | 0.01   | 0.02  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 267       | 3.0                      | 13.6      | <b>8.5</b>               | 0.53   | 1.00  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 5         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.02  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 22        | 0.2       | 1.1                      | <b>0.6</b>   | 0.03                     | 0.08      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 3293      | 31.8      | 169.2                    | <b>109.2</b> | 5.09                     | 14.79     |           |                          |           |                          |        |       | C61             |
| Testis                       | 111       | 1.1       | 5.7                      | <b>5.5</b>   | 0.41                     | 0.43      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 343       | 3.3       | 17.6                     | <b>12.0</b>  | 0.72                     | 1.43      | 238       | 2.7                      | 12.1      | <b>7.4</b>               | 0.42   | 0.88  | C64             |
| Renal pelvis                 | 13        | 0.1       | 0.7                      | <b>0.4</b>   | 0.01                     | 0.08      | 10        | 0.1                      | 0.5       | <b>0.2</b>               | 0.00   | 0.03  | C65             |
| Ureter                       | 14        | 0.1       | 0.7                      | <b>0.5</b>   | 0.03                     | 0.07      | 18        | 0.2                      | 0.9       | <b>0.3</b>               | 0.00   | 0.04  | C66             |
| Bladder                      | 691       | 6.7       | 35.5                     | <b>20.5</b>  | 0.81                     | 2.34      | 197       | 2.2                      | 10.0      | <b>5.0</b>               | 0.25   | 0.58  | C67             |
| Other urinary organs         | 5         | 0.0       | 0.3                      | <b>0.1</b>   | 0.00                     | 0.01      | 2         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 12        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.02      | 8         | 0.1                      | 0.4       | <b>0.5</b>               | 0.02   | 0.04  | C69             |
| Brain, nervous system        | 155       | 1.5       | 8.0                      | <b>6.1</b>   | 0.33                     | 0.59      | 121       | 1.4                      | 6.2       | <b>4.5</b>               | 0.29   | 0.48  | C70-72          |
| Thyroid                      | 80        | 0.8       | 4.1                      | <b>3.1</b>   | 0.20                     | 0.32      | 263       | 2.9                      | 13.4      | <b>11.3</b>              | 0.84   | 1.06  | C73             |
| Adrenal gland                | 5         | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 2         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C74             |
| Other endocrine              | 1         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 61        | 0.6       | 3.1                      | <b>2.8</b>   | 0.19                     | 0.23      | 45        | 0.5                      | 2.3       | <b>2.1</b>               | 0.13   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 411       | 4.0       | 21.1                     | <b>13.8</b>  | 0.75                     | 1.56      | 390       | 4.4                      | 19.9      | <b>11.1</b>              | 0.64   | 1.28  | C82-85,C96      |
| Immunoproliferative diseases | 8         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.05      | 6         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 135       | 1.3       | 6.9                      | <b>4.2</b>   | 0.24                     | 0.50      | 101       | 1.1                      | 5.2       | <b>2.6</b>               | 0.12   | 0.33  | C90             |
| Lymphoid leukaemia           | 159       | 1.5       | 8.2                      | <b>5.9</b>   | 0.28                     | 0.63      | 130       | 1.5                      | 6.6       | <b>4.4</b>               | 0.25   | 0.41  | C91             |
| Myeloid leukaemia            | 136       | 1.3       | 7.0                      | <b>4.7</b>   | 0.25                     | 0.46      | 84        | 0.9                      | 4.3       | <b>2.5</b>               | 0.15   | 0.24  | C92-94          |
| Leukaemia unspecified        | 17        | 0.2       | 0.9                      | <b>0.4</b>   | 0.01                     | 0.03      | 14        | 0.2                      | 0.7       | <b>0.3</b>               | 0.01   | 0.04  | C95             |
| Myeloproliferative disorders | 62        | 0.6       | 3.2                      | <b>2.2</b>   | 0.11                     | 0.22      | 40        | 0.4                      | 2.0       | <b>1.1</b>               | 0.06   | 0.14  | MPD             |
| Myelodysplastic syndromes    | 105       | 1.0       | 5.4                      | <b>2.5</b>   | 0.06                     | 0.20      | 84        | 0.9                      | 4.3       | <b>2.1</b>               | 0.07   | 0.25  | MDS             |
| Other and unspecified        | 250       | 2.4       | 12.8                     | <b>7.7</b>   | 0.38                     | 0.85      | 302       | 3.4                      | 15.4      | <b>6.7</b>               | 0.33   | 0.75  | O&U             |
| All sites                    | 10381     |           | 533.3                    | <b>340.6</b> | 17.04                    | 41.24     | 8943      |                          | 456.2     | <b>268.1</b>             | 16.31  | 30.86 | C00-96          |
| All sites except C44         | 10365     | 100.0     | 532.4                    | <b>340.2</b> | 17.01                    | 41.19     | 8924      | 100.0                    | 455.3     | <b>267.5</b>             | 16.27  | 30.80 | C00-96 exc. C44 |

# USA, Tennessee

## REGISTRATION AREA

The central, population-based Tennessee Cancer Registry (TCR) covers the state of Tennessee, which has a population of slightly more than 6.3 million. Approximately 96% of Tennesseans are either Black or White, which is significantly more than the national average. Geographically, about half of the state is located within the Appalachian Region of the USA. About one third of Tennessee residents live in rural areas.

## CANCER CARE FACILITIES

Tennessee has 34 cancer treatment programmes approved by the American College of Surgeons Commission on Cancer, distributed statewide.

## REGISTRY STRUCTURE AND METHODS

The TCR collects data from a variety of sources. The most important sources are hospitals, pathology laboratories, and ambulatory surgical treatment centres. Other sources include physicians' offices, autopsy-only cases, and radiation treatment/medical oncology centres. The TCR has achieved North American Association of Central Cancer Registries (NAACCR) Gold Certification, indicating that the data collected by the registry meet the highest national standards of completeness and quality. The TCR has 10 employees and processes about 53 000 abstracts per year, which are consolidated into about 43 000 individual records. The TCR was established by an act of the Tennessee Assembly, with the passing of the Cancer Reporting System Act of 1983 (TCA 68-1-1001). The law was subsequently revised to ensure that Tennessee would be eligible for federal grant funding provided after the passage of Public Law 102-515 by the United States Congress in 1992. TCR operations are mostly funded through a cooperative agreement with the United States Centers for Disease Control and Prevention (CDC).

## INTERPRETING THE RESULTS

The Tennessee Department of Health operates the Tennessee Breast and Cervical Cancer Early Detection Program, which provides cancer screening services

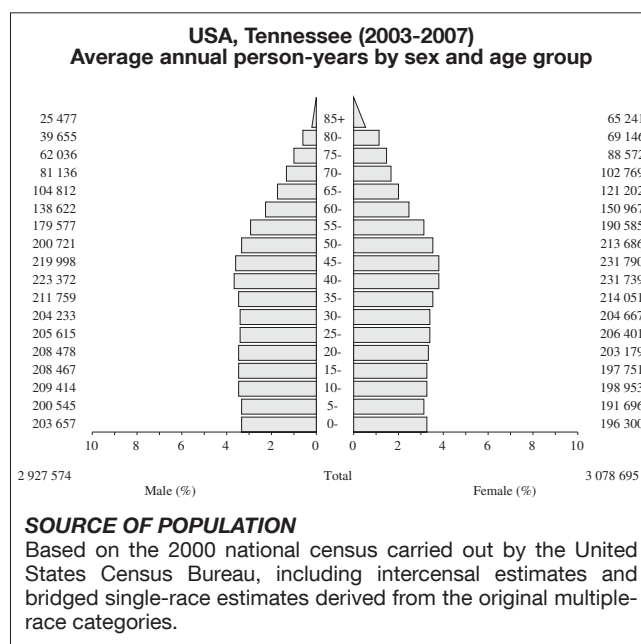
to women aged 40 years or older who meet income requirements.

## USE OF THE DATA

The TCR is required by law to produce an annual report on cancer incidence. Aggregate data are published annually in the report *Cancer in Tennessee*, which is provided to the gubernatorial administration and members of the Tennessee Assembly. The TCR also grants approximately 50–70 requests for aggregate data per year. Tennessee law allows for the sharing of individual-level cancer data, but only with qualified researchers for approved cancer research. TCR data are also used for planning cancer prevention and control activities, the goal of which is to reduce the overall burden of cancer in the state. On average, the TCR completes about 1–2 cancer cluster investigations annually, usually at the request of Tennessee residents.

## CONTRIBUTOR

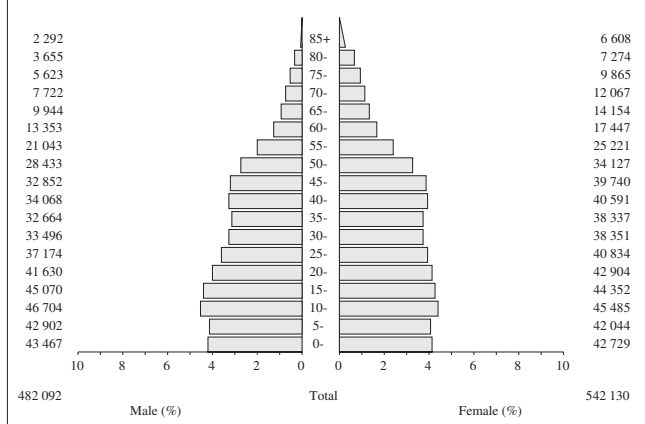
Martin Whiteside



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 92.2  | Breast                     | 83.1  |
| Trachea, bronchus and lung | 70.6  | Trachea, bronchus and lung | 41.3  |
| Colon                      | 25.1  | Colon                      | 19.8  |
| Bladder                    | 19.4  | Corpus uteri               | 13.4  |
| Melanoma of skin           | 15.9  | Thyroid                    | 11.7  |
| Non-Hodgkin lymphoma       | 14.5  | Melanoma of skin           | 11.1  |
| Kidney                     | 14.0  | Non-Hodgkin lymphoma       | 10.5  |
| Rectum                     | 11.4  | Ovary                      | 8.3   |
| Pancreas                   | 7.9   | Kidney                     | 7.6   |
| Other and unspecified      | 7.7   | Rectum                     | 7.3   |
| All sites                  | 362.0 | All sites                  | 280.0 |

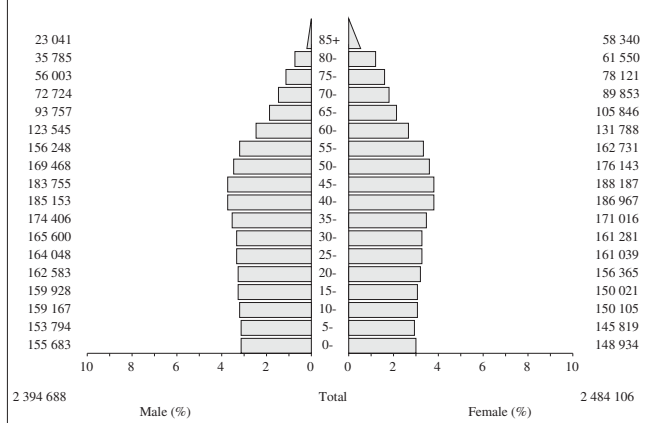
**USA, Tennessee: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, TENNESSEE: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 138.3 | Breast                     | 84.7  |
| Trachea, bronchus and lung | 74.8  | Trachea, bronchus and lung | 38.3  |
| Colon                      | 31.9  | Colon                      | 26.5  |
| Kidney                     | 14.6  | Corpus uteri               | 11.8  |
| Rectum                     | 11.0  | Kidney                     | 9.2   |
| Non-Hodgkin lymphoma       | 10.4  | Cervix uteri               | 8.5   |
| Pancreas                   | 10.3  | Rectum                     | 8.4   |
| Bladder                    | 9.9   | Pancreas                   | 7.5   |
| Multiple myeloma           | 8.7   | Non-Hodgkin lymphoma       | 7.4   |
| Stomach                    | 8.5   | Thyroid                    | 7.1   |
| All sites                  | 398.0 | All sites                  | 274.2 |

**USA, Tennessee: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, TENNESSEE: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 86.5  | Breast                     | 82.6  |
| Trachea, bronchus and lung | 70.4  | Trachea, bronchus and lung | 41.9  |
| Colon                      | 24.2  | Colon                      | 18.8  |
| Bladder                    | 20.5  | Corpus uteri               | 13.7  |
| Melanoma of skin           | 17.9  | Melanoma of skin           | 12.9  |
| Non-Hodgkin lymphoma       | 14.8  | Thyroid                    | 12.7  |
| Kidney                     | 14.0  | Non-Hodgkin lymphoma       | 10.9  |
| Rectum                     | 11.4  | Ovary                      | 8.5   |
| Other and unspecified      | 7.7   | Kidney                     | 7.3   |
| Pancreas                   | 7.6   | Rectum                     | 7.2   |
| All sites                  | 358.0 | All sites                  | 281.1 |

## USA, Tennessee (2003-2007)

| SITE                         | Male       |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 186        | 0.2       | 1.3                      | <b>0.9</b>   | 0.04                | 0.10                | 41         | 0.1       | 0.3                      | <b>0.1</b>   | 0.01                | 0.02                | C00             |
| Tongue                       | 650        | 0.9       | 4.4                      | <b>3.3</b>   | 0.25                | 0.38                | 275        | 0.4       | 1.8                      | <b>1.1</b>   | 0.07                | 0.13                | C01-02          |
| Mouth                        | 441        | 0.6       | 3.0                      | <b>2.2</b>   | 0.15                | 0.26                | 266        | 0.4       | 1.7                      | <b>1.0</b>   | 0.05                | 0.11                | C03-06          |
| Salivary glands              | 214        | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                | 0.11                | 150        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.07                | C07-08          |
| Tonsil                       | 497        | 0.7       | 3.4                      | <b>2.5</b>   | 0.21                | 0.29                | 126        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.06                | C09             |
| Other oropharynx             | 115        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.08                | 48         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.02                | C10             |
| Nasopharynx                  | 120        | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                | 0.07                | 51         | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                | 0.03                | C11             |
| Hypopharynx                  | 178        | 0.2       | 1.2                      | <b>0.9</b>   | 0.06                | 0.10                | 38         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 64         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | 26         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C14             |
| Oesophagus                   | 1164       | 1.5       | 8.0                      | <b>5.6</b>   | 0.36                | 0.69                | 308        | 0.5       | 2.0                      | <b>1.1</b>   | 0.06                | 0.14                | C15             |
| Stomach                      | 1088       | 1.4       | 7.4                      | <b>5.0</b>   | 0.27                | 0.57                | 725        | 1.1       | 4.7                      | <b>2.6</b>   | 0.14                | 0.29                | C16             |
| Small intestine              | 315        | 0.4       | 2.2                      | <b>1.5</b>   | 0.10                | 0.18                | 289        | 0.4       | 1.9                      | <b>1.1</b>   | 0.07                | 0.14                | C17             |
| Colon                        | 5434       | 7.2       | 37.1                     | <b>25.1</b>  | 1.29                | 2.94                | 5654       | 8.3       | 36.7                     | <b>19.8</b>  | 1.05                | 2.31                | C18             |
| Rectum                       | 2380       | 3.2       | 16.3                     | <b>11.4</b>  | 0.69                | 1.37                | 1870       | 2.7       | 12.1                     | <b>7.3</b>   | 0.46                | 0.88                | C19-20          |
| Anus                         | 163        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.09                | 329        | 0.5       | 2.1                      | <b>1.4</b>   | 0.11                | 0.15                | C21             |
| Liver                        | 1037       | 1.4       | 7.1                      | <b>5.0</b>   | 0.35                | 0.58                | 431        | 0.6       | 2.8                      | <b>1.7</b>   | 0.10                | 0.19                | C22             |
| Gallbladder etc.             | 311        | 0.4       | 2.1                      | <b>1.4</b>   | 0.07                | 0.16                | 359        | 0.5       | 2.3                      | <b>1.3</b>   | 0.06                | 0.15                | C23-24          |
| Pancreas                     | 1707       | 2.3       | 11.7                     | <b>7.9</b>   | 0.42                | 0.97                | 1650       | 2.4       | 10.7                     | <b>5.6</b>   | 0.27                | 0.65                | C25             |
| Nose, sinuses etc.           | 161        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.10                | 73         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | C30-31          |
| Larynx                       | 1316       | 1.8       | 9.0                      | <b>6.4</b>   | 0.42                | 0.80                | 350        | 0.5       | 2.3                      | <b>1.5</b>   | 0.11                | 0.20                | C32             |
| Trachea, bronchus and lung   | 15111      | 20.1      | 103.2                    | <b>70.6</b>  | 3.43                | 9.12                | 10598      | 15.5      | 68.8                     | <b>41.3</b>  | 2.28                | 5.40                | C33-34          |
| Other thoracic organs        | 65         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | 51         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.03                | C37-38          |
| Bone                         | 181        | 0.2       | 1.2                      | <b>1.2</b>   | 0.07                | 0.10                | 150        | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                | 0.07                | C40-41          |
| Melanoma of skin             | 3236       | 4.3       | 22.1                     | <b>15.9</b>  | 1.01                | 1.81                | 2367       | 3.5       | 15.4                     | <b>11.1</b>  | 0.81                | 1.11                | C43             |
| Other skin                   | 185        | 0.2       | 1.3                      | <b>0.9</b>   | 0.04                | 0.09                | 164        | 0.2       | 1.1                      | <b>0.7</b>   | 0.05                | 0.07                | C44             |
| Mesothelioma                 | 205        | 0.3       | 1.4                      | <b>0.9</b>   | 0.04                | 0.11                | 46         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C45             |
| Kaposi sarcoma               | 47         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | 8          | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 449        | 0.6       | 3.1                      | <b>2.3</b>   | 0.14                | 0.23                | 419        | 0.6       | 2.7                      | <b>1.9</b>   | 0.12                | 0.19                | C47+C49         |
| Breast                       | 211        | 0.3       | 1.4                      | <b>1.0</b>   | 0.06                | 0.12                | 19626      | 28.7      | 127.5                    | <b>83.1</b>  | 5.95                | 9.65                | C50             |
| Vulva                        |            |           |                          |              |                     |                     | 415        | 0.6       | 2.7                      | <b>1.6</b>   | 0.10                | 0.17                | C51             |
| Vagina                       |            |           |                          |              |                     |                     | 136        | 0.2       | 0.9                      | <b>0.5</b>   | 0.03                | 0.06                | C52             |
| Cervix uteri                 |            |           |                          |              |                     |                     | 1348       | 2.0       | 8.8                      | <b>6.6</b>   | 0.52                | 0.64                | C53             |
| Corpus uteri                 |            |           |                          |              |                     |                     | 3177       | 4.7       | 20.6                     | <b>13.4</b>  | 0.96                | 1.61                | C54             |
| Uterus unspecified           |            |           |                          |              |                     |                     | 166        | 0.2       | 1.1                      | <b>0.7</b>   | 0.04                | 0.07                | C55             |
| Ovary                        |            |           |                          |              |                     |                     | 2039       | 3.0       | 13.2                     | <b>8.3</b>   | 0.53                | 0.96                | C56             |
| Other female genital organs  |            |           |                          |              |                     |                     | 79         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.04                | C57             |
| Placenta                     |            |           |                          |              |                     |                     | 12         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 97         | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.05                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 19226      | 25.6      | 131.3                    | <b>92.2</b>  | 4.74                | 12.50               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 693        | 0.9       | 4.7                      | <b>4.4</b>   | 0.33                | 0.33                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 23         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 2829       | 3.8       | 19.3                     | <b>14.0</b>  | 0.90                | 1.69                | 1786       | 2.6       | 11.6                     | <b>7.6</b>   | 0.48                | 0.89                | C64             |
| Renal pelvis                 | 104        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.06                | 83         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C65             |
| Ureter                       | 94         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.05                | 66         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 4306       | 5.7       | 29.4                     | <b>19.4</b>  | 0.80                | 2.32                | 1416       | 2.1       | 9.2                      | <b>4.9</b>   | 0.24                | 0.58                | C67             |
| Other urinary organs         | 44         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 25         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 143        | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                | 0.08                | 121        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.06                | C69             |
| Brain, nervous system        | 1128       | 1.5       | 7.7                      | <b>6.3</b>   | 0.39                | 0.63                | 946        | 1.4       | 6.1                      | <b>4.7</b>   | 0.29                | 0.46                | C70-72          |
| Thyroid                      | 729        | 1.0       | 5.0                      | <b>3.9</b>   | 0.28                | 0.44                | 2316       | 3.4       | 15.0                     | <b>11.7</b>  | 0.90                | 1.14                | C73             |
| Adrenal gland                | 52         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | 64         | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                | 0.03                | C74             |
| Other endocrine              | 20         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 16         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C75             |
| Hodgkin lymphoma             | 375        | 0.5       | 2.6                      | <b>2.3</b>   | 0.16                | 0.20                | 374        | 0.5       | 2.4                      | <b>2.2</b>   | 0.15                | 0.18                | C81             |
| Non-Hodgkin lymphoma         | 2964       | 3.9       | 20.2                     | <b>14.5</b>  | 0.84                | 1.63                | 2717       | 4.0       | 17.7                     | <b>10.5</b>  | 0.58                | 1.22                | C82-85,C96      |
| Immunoproliferative diseases | 28         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 19         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C88             |
| Multiple myeloma             | 942        | 1.3       | 6.4                      | <b>4.4</b>   | 0.22                | 0.54                | 799        | 1.2       | 5.2                      | <b>3.0</b>   | 0.16                | 0.37                | C90             |
| Lymphoid leukaemia           | 982        | 1.3       | 6.7                      | <b>5.5</b>   | 0.26                | 0.54                | 655        | 1.0       | 4.3                      | <b>3.1</b>   | 0.14                | 0.28                | C91             |
| Myeloid leukaemia            | 872        | 1.2       | 6.0                      | <b>4.3</b>   | 0.22                | 0.46                | 740        | 1.1       | 4.8                      | <b>3.3</b>   | 0.19                | 0.34                | C92-94          |
| Leukaemia unspecified        | 87         | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.03                | 64         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | C95             |
| Myeloproliferative disorders | 275        | 0.4       | 1.9                      | <b>1.3</b>   | 0.07                | 0.14                | 272        | 0.4       | 1.8                      | <b>1.0</b>   | 0.06                | 0.11                | MPD             |
| Myelodysplastic syndromes    | 450        | 0.6       | 3.1                      | <b>1.9</b>   | 0.06                | 0.18                | 352        | 0.5       | 2.3                      | <b>1.1</b>   | 0.04                | 0.11                | MDS             |
| Other and unspecified        | 1667       | 2.2       | 11.4                     | <b>7.7</b>   | 0.39                | 0.91                | 1783       | 2.6       | 11.6                     | <b>6.2</b>   | 0.32                | 0.69                | O&U             |
| All sites                    | 75361      |           | 514.8                    | <b>362.0</b> | 19.61               | 44.34               | 68474      |           | 444.8                    | <b>280.0</b> | 17.88               | 32.27               | C00-96          |
| All sites except C44         | 75176      | 100.0     | 513.6                    | <b>361.1</b> | 19.56               | 44.26               | 68310      | 100.0     | 443.8                    | <b>279.2</b> | 17.83               | 32.19               | C00-96 exc. C44 |

§Includes 4 cases of unknown age

§Includes 1 case of unknown age

## USA, Tennessee: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 61        | 0.7       | 2.5                      | <b>2.7</b>   | 0.22                     | 0.32      | 20        | 0.2                      | 0.7       | <b>0.7</b>               | 0.05   | 0.08  | C01-02          |
| Mouth                        | 69        | 0.8       | 2.9                      | <b>3.0</b>   | 0.21                     | 0.40      | 21        | 0.2                      | 0.8       | <b>0.7</b>               | 0.06   | 0.08  | C03-06          |
| Salivary glands              | 13        | 0.1       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.08      | 23        | 0.3                      | 0.8       | <b>0.8</b>               | 0.06   | 0.09  | C07-08          |
| Tonsil                       | 68        | 0.8       | 2.8                      | <b>2.9</b>   | 0.24                     | 0.34      | 16        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 23        | 0.3       | 1.0                      | <b>1.1</b>   | 0.06                     | 0.16      | 9         | 0.1                      | 0.3       | <b>0.3</b>               | 0.03   | 0.03  | C10             |
| Nasopharynx                  | 21        | 0.2       | 0.9                      | <b>0.9</b>   | 0.04                     | 0.12      | 16        | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C11             |
| Hypopharynx                  | 30        | 0.3       | 1.2                      | <b>1.2</b>   | 0.11                     | 0.13      | 7         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C12-13          |
| Pharynx unspecified          | 8         | 0.1       | 0.3                      | <b>0.4</b>   | 0.03                     | 0.05      | 5         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 167       | 1.9       | 6.9                      | <b>7.4</b>   | 0.51                     | 0.88      | 75        | 0.9                      | 2.8       | <b>2.4</b>               | 0.15   | 0.29  | C15             |
| Stomach                      | 197       | 2.2       | 8.2                      | <b>8.5</b>   | 0.44                     | 0.92      | 149       | 1.7                      | 5.5       | <b>4.2</b>               | 0.21   | 0.47  | C16             |
| Small intestine              | 51        | 0.6       | 2.1                      | <b>2.2</b>   | 0.14                     | 0.27      | 67        | 0.8                      | 2.5       | <b>2.1</b>               | 0.13   | 0.25  | C17             |
| Colon                        | 729       | 8.3       | 30.2                     | <b>31.9</b>  | 1.89                     | 3.64      | 893       | 10.2                     | 32.9      | <b>26.5</b>              | 1.58   | 3.10  | C18             |
| Rectum                       | 263       | 3.0       | 10.9                     | <b>11.0</b>  | 0.75                     | 1.22      | 277       | 3.2                      | 10.2      | <b>8.4</b>               | 0.56   | 1.01  | C19-20          |
| Anus                         | 24        | 0.3       | 1.0                      | <b>1.0</b>   | 0.06                     | 0.13      | 32        | 0.4                      | 1.2       | <b>1.0</b>               | 0.08   | 0.11  | C21             |
| Liver                        | 180       | 2.0       | 7.5                      | <b>7.4</b>   | 0.63                     | 0.84      | 72        | 0.8                      | 2.7       | <b>2.2</b>               | 0.16   | 0.24  | C22             |
| Gallbladder etc.             | 26        | 0.3       | 1.1                      | <b>1.1</b>   | 0.04                     | 0.11      | 43        | 0.5                      | 1.6       | <b>1.4</b>               | 0.08   | 0.16  | C23-24          |
| Pancreas                     | 226       | 2.6       | 9.4                      | <b>10.3</b>  | 0.58                     | 1.36      | 269       | 3.1                      | 9.9       | <b>7.5</b>               | 0.34   | 0.92  | C25             |
| Nose, sinuses etc.           | 21        | 0.2       | 0.9                      | <b>0.9</b>   | 0.08                     | 0.10      | 10        | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.04  | C30-31          |
| Larynx                       | 188       | 2.1       | 7.8                      | <b>8.3</b>   | 0.56                     | 1.00      | 56        | 0.6                      | 2.1       | <b>1.8</b>               | 0.11   | 0.26  | C32             |
| Trachea, bronchus and lung   | 1640      | 18.6      | 68.0                     | <b>74.8</b>  | 4.14                     | 9.63      | 1220      | 13.9                     | 45.0      | <b>38.3</b>              | 2.13   | 4.99  | C33-34          |
| Other thoracic organs        | 12        | 0.1       | 0.5                      | <b>0.6</b>   | 0.05                     | 0.06      | 11        | 0.1                      | 0.4       | <b>0.4</b>               | 0.03   | 0.04  | C37-38          |
| Bone                         | 20        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                     | 0.07      | 23        | 0.3                      | 0.8       | <b>0.8</b>               | 0.05   | 0.05  | C40-41          |
| Melanoma of skin             | 9         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 30        | 0.3                      | 1.1       | <b>0.9</b>               | 0.04   | 0.10  | C43             |
| Other skin                   | 28        |           | 1.2                      | <b>1.1</b>   | 0.10                     | 0.10      | 36        |                          | 1.3       | <b>1.1</b>               | 0.08   | 0.11  | C44             |
| Mesothelioma                 | 10        | 0.1       | 0.4                      | <b>0.5</b>   | 0.04                     | 0.07      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C45             |
| Kaposi sarcoma               | 15        | 0.2       | 0.6                      | <b>0.6</b>   | 0.05                     | 0.05      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 59        | 0.7       | 2.4                      | <b>2.5</b>   | 0.16                     | 0.24      | 78        | 0.9                      | 2.9       | <b>2.4</b>               | 0.14   | 0.24  | C47+C49         |
| Breast                       | 37        | 0.4       | 1.5                      | <b>1.5</b>   | 0.09                     | 0.15      | 2716      | 30.9                     | 100.2     | <b>84.7</b>              | 6.20   | 9.58  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 33        | 0.4                      | 1.2       | <b>1.0</b>               | 0.07   | 0.12  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 21        | 0.2                      | 0.8       | <b>0.7</b>               | 0.04   | 0.10  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 272       | 3.1                      | 10.0      | <b>8.5</b>               | 0.67   | 0.86  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 355       | 4.0                      | 13.1      | <b>11.8</b>              | 0.76   | 1.53  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 30        | 0.3                      | 1.1       | <b>0.9</b>               | 0.04   | 0.11  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 210       | 2.4                      | 7.7       | <b>6.6</b>               | 0.41   | 0.76  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 12        | 0.1                      | 0.4       | <b>0.4</b>               | 0.04   | 0.06  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 3         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 11        | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 2956      | 33.5      | 122.6                    | <b>138.3</b> | 7.54                     | 18.36     |           |                          |           |                          |        |       | C61             |
| Testis                       | 25        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07                     | 0.07      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 326       | 3.7       | 13.5                     | <b>14.6</b>  | 0.97                     | 1.76      | 292       | 3.3                      | 10.8      | <b>9.2</b>               | 0.52   | 1.09  | C64             |
| Renal pelvis                 | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C65             |
| Ureter                       | 3         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.02      | 5         | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 229       | 2.6       | 9.5                      | <b>9.9</b>   | 0.41                     | 1.13      | 131       | 1.5                      | 4.8       | <b>3.6</b>               | 0.17   | 0.42  | C67             |
| Other urinary organs         | 7         | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03      | 11        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.07  | C68             |
| Eye                          | 14        | 0.2       | 0.6                      | <b>0.7</b>   | 0.03                     | 0.04      | 4         | 0.0                      | 0.1       | <b>0.2</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 89        | 1.0       | 3.7                      | <b>3.8</b>   | 0.25                     | 0.40      | 77        | 0.9                      | 2.8       | <b>2.8</b>               | 0.18   | 0.25  | C70-72          |
| Thyroid                      | 43        | 0.5       | 1.8                      | <b>1.8</b>   | 0.12                     | 0.21      | 219       | 2.5                      | 8.1       | <b>7.1</b>               | 0.55   | 0.72  | C73             |
| Adrenal gland                | 9         | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.03      | 6         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 5         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.03      | 4         | 0.0                      | 0.1       | <b>0.2</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 54        | 0.6       | 2.2                      | <b>2.2</b>   | 0.16                     | 0.18      | 62        | 0.7                      | 2.3       | <b>2.1</b>               | 0.15   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 249       | 2.8       | 10.3                     | <b>10.4</b>  | 0.73                     | 1.06      | 234       | 2.7                      | 8.6       | <b>7.4</b>               | 0.45   | 0.83  | C82-85,C96      |
| Immunoproliferative diseases | 4         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 190       | 2.2       | 7.9                      | <b>8.7</b>   | 0.43                     | 1.12      | 200       | 2.3                      | 7.4       | <b>6.1</b>               | 0.33   | 0.75  | C90             |
| Lymphoid leukaemia           | 109       | 1.2       | 4.5                      | <b>4.9</b>   | 0.22                     | 0.52      | 67        | 0.8                      | 2.5       | <b>2.5</b>               | 0.10   | 0.24  | C91             |
| Myeloid leukaemia            | 82        | 0.9       | 3.4                      | <b>3.5</b>   | 0.18                     | 0.41      | 85        | 1.0                      | 3.1       | <b>2.8</b>               | 0.18   | 0.31  | C92-94          |
| Leukaemia unspecified        | 10        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 7         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C95             |
| Myeloproliferative disorders | 21        | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                     | 0.11      | 31        | 0.4                      | 1.1       | <b>0.9</b>               | 0.06   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 31        | 0.4       | 1.3                      | <b>1.3</b>   | 0.04                     | 0.13      | 27        | 0.3                      | 1.0       | <b>0.7</b>               | 0.03   | 0.06  | MDS             |
| Other and unspecified        | 177       | 2.0       | 7.3                      | <b>8.0</b>   | 0.42                     | 0.92      | 247       | 2.8                      | 9.1       | <b>7.1</b>               | 0.37   | 0.80  | O&U             |
| All sites                    | 8845      |           | 366.9                    | <b>398.0</b> | 23.08                    | 49.16     | 8827      |                          | 325.6     | <b>274.2</b>             | 17.61  | 31.83 | C00-96          |
| All sites except C44         | 8817      | 100.0     | 365.8                    | <b>396.9</b> | 22.98                    | 49.06     | 8791      | 100.0                    | 324.3     | <b>273.0</b>             | 17.53  | 31.73 | C00-96 exc. C44 |



## USA, Tennessee: White (2003-2007)

| SITE                         | Male       |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 181        | 0.3       | 1.5                      | <b>1.0</b>   | 0.05                | 0.11                | 39        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C00                 |
| Tongue                       | 584        | 0.9       | 4.9                      | <b>3.4</b>   | 0.26                | 0.39                | 252       | 0.4       | 2.0                      | <b>1.2</b>   | 0.08   | 0.14                | C01-02              |
| Mouth                        | 364        | 0.6       | 3.0                      | <b>2.0</b>   | 0.14                | 0.24                | 242       | 0.4       | 1.9                      | <b>1.0</b>   | 0.05   | 0.12                | C03-06              |
| Salivary glands              | 198        | 0.3       | 1.7                      | <b>1.0</b>   | 0.05                | 0.11                | 119       | 0.2       | 1.0                      | <b>0.6</b>   | 0.04   | 0.06                | C07-08              |
| Tonsil                       | 428        | 0.7       | 3.6                      | <b>2.5</b>   | 0.21                | 0.29                | 110       | 0.2       | 0.9                      | <b>0.6</b>   | 0.05   | 0.07                | C09                 |
| Other oropharynx             | 91         | 0.1       | 0.8                      | <b>0.5</b>   | 0.04                | 0.07                | 39        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C10                 |
| Nasopharynx                  | 92         | 0.1       | 0.8                      | <b>0.6</b>   | 0.05                | 0.06                | 34        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C11                 |
| Hypopharynx                  | 147        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                | 0.10                | 31        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01   | 0.02                | C12-13              |
| Pharynx unspecified          | 56         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | 21        | 0.0       | 0.2                      | <b>0.1</b>   | 0.00   | 0.01                | C14                 |
| Oesophagus                   | 988        | 1.5       | 8.3                      | <b>5.4</b>   | 0.34                | 0.68                | 230       | 0.4       | 1.9                      | <b>0.9</b>   | 0.04   | 0.12                | C15                 |
| Stomach                      | 871        | 1.3       | 7.3                      | <b>4.6</b>   | 0.24                | 0.52                | 561       | 1.0       | 4.5                      | <b>2.3</b>   | 0.12   | 0.26                | C16                 |
| Small intestine              | 260        | 0.4       | 2.2                      | <b>1.4</b>   | 0.09                | 0.17                | 219       | 0.4       | 1.8                      | <b>1.0</b>   | 0.06   | 0.12                | C17                 |
| Colon                        | 4658       | 7.1       | 38.9                     | <b>24.2</b>  | 1.21                | 2.86                | 4710      | 8.0       | 37.9                     | <b>18.8</b>  | 0.97   | 2.19                | C18                 |
| Rectum                       | 2088       | 3.2       | 17.4                     | <b>11.4</b>  | 0.68                | 1.37                | 1575      | 2.7       | 12.7                     | <b>7.2</b>   | 0.44   | 0.86                | C19-20              |
| Anus                         | 138        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                | 0.09                | 296       | 0.5       | 2.4                      | <b>1.5</b>   | 0.12   | 0.16                | C21                 |
| Liver                        | 829        | 1.3       | 6.9                      | <b>4.6</b>   | 0.31                | 0.53                | 346       | 0.6       | 2.8                      | <b>1.5</b>   | 0.09   | 0.17                | C22                 |
| Gallbladder etc.             | 282        | 0.4       | 2.4                      | <b>1.4</b>   | 0.07                | 0.16                | 310       | 0.5       | 2.5                      | <b>1.2</b>   | 0.06   | 0.15                | C23-24              |
| Pancreas                     | 1465       | 2.2       | 12.2                     | <b>7.6</b>   | 0.40                | 0.92                | 1373      | 2.3       | 11.1                     | <b>5.3</b>   | 0.27   | 0.62                | C25                 |
| Nose, sinuses etc.           | 140        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                | 0.10                | 60        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.03                | C30-31              |
| Larynx                       | 1122       | 1.7       | 9.4                      | <b>6.2</b>   | 0.40                | 0.78                | 293       | 0.5       | 2.4                      | <b>1.5</b>   | 0.11   | 0.19                | C32                 |
| Trachea, bronchus and lung   | 13383      | 20.4      | 111.8                    | <b>70.4</b>  | 3.36                | 9.10                | 9302      | 15.9      | 74.9                     | <b>41.9</b>  | 2.32   | 5.47                | C33-34              |
| Other thoracic organs        | 51         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                | 0.03                | 39        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.03                | C37-38              |
| Bone                         | 157        | 0.2       | 1.3                      | <b>1.2</b>   | 0.08                | 0.10                | 123       | 0.2       | 1.0                      | <b>0.9</b>   | 0.05   | 0.07                | C40-41              |
| Melanoma of skin             | 3151       | 4.8       | 26.3                     | <b>17.9</b>  | 1.15                | 2.02                | 2271      | 3.9       | 18.3                     | <b>12.9</b>  | 0.95   | 1.28                | C43                 |
| Other skin                   | 154        | 0.2       | 1.3                      | <b>0.8</b>   | 0.04                | 0.08                | 124       | 0.2       | 1.0                      | <b>0.6</b>   | 0.04   | 0.07                | C44                 |
| Mesothelioma                 | 195        | 0.3       | 1.6                      | <b>1.0</b>   | 0.04                | 0.11                | 41        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C45                 |
| Kaposi sarcoma               | 29         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 8         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.00                | C46                 |
| Connective and soft tissue   | 385        | 0.6       | 3.2                      | <b>2.3</b>   | 0.13                | 0.22                | 335       | 0.6       | 2.7                      | <b>1.9</b>   | 0.11   | 0.18                | C47+C49             |
| Breast                       | 172        | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                | 0.11                | 16684     | 28.4      | 134.3                    | <b>82.6</b>  | 5.90   | 9.65                | C50                 |
| Vulva                        |            |           |                          |              |                     |                     | 378       | 0.6       | 3.0                      | <b>1.7</b>   | 0.11   | 0.18                | C51                 |
| Vagina                       |            |           |                          |              |                     |                     | 110       | 0.2       | 0.9                      | <b>0.5</b>   | 0.03   | 0.05                | C52                 |
| Cervix uteri                 |            |           |                          |              |                     |                     | 1037      | 1.8       | 8.3                      | <b>6.2</b>   | 0.49   | 0.59                | C53                 |
| Corpus uteri                 |            |           |                          |              |                     |                     | 2783      | 4.7       | 22.4                     | <b>13.7</b>  | 1.00   | 1.63                | C54                 |
| Uterus unspecified           |            |           |                          |              |                     |                     | 135       | 0.2       | 1.1                      | <b>0.6</b>   | 0.04   | 0.07                | C55                 |
| Ovary                        |            |           |                          |              |                     |                     | 1803      | 3.1       | 14.5                     | <b>8.5</b>   | 0.55   | 0.98                | C56                 |
| Other female genital organs  |            |           |                          |              |                     |                     | 66        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02   | 0.04                | C57                 |
| Placenta                     |            |           |                          |              |                     |                     | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C58                 |
| Penis                        | 86         | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.05                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 16036      | 24.5      | 133.9                    | <b>86.5</b>  | 4.39                | 11.79               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 659        | 1.0       | 5.5                      | <b>5.1</b>   | 0.38                | 0.39                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 21         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 2480       | 3.8       | 20.7                     | <b>14.0</b>  | 0.90                | 1.69                | 1477      | 2.5       | 11.9                     | <b>7.3</b>   | 0.47   | 0.86                | C64                 |
| Renal pelvis                 | 101        | 0.2       | 0.8                      | <b>0.5</b>   | 0.03                | 0.06                | 79        | 0.1       | 0.6                      | <b>0.3</b>   | 0.01   | 0.04                | C65                 |
| Ureter                       | 90         | 0.1       | 0.8                      | <b>0.4</b>   | 0.02                | 0.06                | 60        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01   | 0.03                | C66                 |
| Bladder                      | 4040       | 6.2       | 33.7                     | <b>20.5</b>  | 0.85                | 2.46                | 1273      | 2.2       | 10.2                     | <b>5.1</b>   | 0.25   | 0.61                | C67                 |
| Other urinary organs         | 36         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 13        | 0.0       | 0.1                      | <b>0.0</b>   | 0.00   | 0.00                | C68                 |
| Eye                          | 128        | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                | 0.09                | 117       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04   | 0.07                | C69                 |
| Brain, nervous system        | 1025       | 1.6       | 8.6                      | <b>6.7</b>   | 0.41                | 0.67                | 850       | 1.4       | 6.8                      | <b>5.0</b>   | 0.31   | 0.49                | C70-72              |
| Thyroid                      | 676        | 1.0       | 5.6                      | <b>4.3</b>   | 0.31                | 0.47                | 2053      | 3.5       | 16.5                     | <b>12.7</b>  | 0.98   | 1.22                | C73                 |
| Adrenal gland                | 43         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.03                | 56        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03   | 0.03                | C74                 |
| Other endocrine              | 14         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 12        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C75                 |
| Hodgkin lymphoma             | 313        | 0.5       | 2.6                      | <b>2.3</b>   | 0.16                | 0.20                | 306       | 0.5       | 2.5                      | <b>2.2</b>   | 0.15   | 0.18                | C81                 |
| Non-Hodgkin lymphoma         | 2679       | 4.1       | 22.4                     | <b>14.8</b>  | 0.84                | 1.69                | 2448      | 4.2       | 19.7                     | <b>10.9</b>  | 0.60   | 1.28                | C82-85,C96          |
| Immunoproliferative diseases | 23         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 18        | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.01                | C88                 |
| Multiple myeloma             | 740        | 1.1       | 6.2                      | <b>3.8</b>   | 0.19                | 0.48                | 588       | 1.0       | 4.7                      | <b>2.5</b>   | 0.13   | 0.31                | C90                 |
| Lymphoid leukaemia           | 856        | 1.3       | 7.1                      | <b>5.6</b>   | 0.26                | 0.54                | 568       | 1.0       | 4.6                      | <b>3.1</b>   | 0.15   | 0.28                | C91                 |
| Myeloid leukaemia            | 776        | 1.2       | 6.5                      | <b>4.4</b>   | 0.22                | 0.46                | 647       | 1.1       | 5.2                      | <b>3.4</b>   | 0.20   | 0.34                | C92-94              |
| Leukaemia unspecified        | 75         | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                | 0.03                | 57        | 0.1       | 0.5                      | <b>0.2</b>   | 0.01   | 0.02                | C95                 |
| Myeloproliferative disorders | 251        | 0.4       | 2.1                      | <b>1.3</b>   | 0.08                | 0.14                | 238       | 0.4       | 1.9                      | <b>1.1</b>   | 0.06   | 0.11                | MPD                 |
| Myelodysplastic syndromes    | 415        | 0.6       | 3.5                      | <b>2.0</b>   | 0.06                | 0.19                | 323       | 0.6       | 2.6                      | <b>1.1</b>   | 0.04   | 0.12                | MDS                 |
| Other and unspecified        | 1474       | 2.2       | 12.3                     | <b>7.7</b>   | 0.39                | 0.91                | 1518      | 2.6       | 12.2                     | <b>6.1</b>   | 0.32   | 0.67                | O&U                 |
| All sites                    | 65696      |           | 548.7                    | <b>358.0</b> | 19.24               | 43.82               | 58807     |           | 473.5                    | <b>281.1</b> | 17.96  | 32.35               | C00-96              |
| All sites except C44         | 65542      | 100.0     | 547.4                    | <b>357.2</b> | 19.20               | 43.73               | 58683     | 100.0     | 472.5                    | <b>280.4</b> | 17.92  | 32.28               | C00-96 exc. C44     |

§Includes 1 case of unknown age



# USA, Texas

## REGISTRATION AREA

The Texas Cancer Registry (TCR) covers the state of Texas. At the 2010 census, the population was 25.1 million – a 17% increase since 2000. About 16% of the population is foreign-born. Non-Hispanic Whites make up 45% of the population, Blacks 12%, and Hispanics (of any race) 38%. Only 12% of residents live in rural areas, although rural areas account for more than half of the state’s geographical area.

## CANCER CARE FACILITIES

Cancer services are located primarily in the large metropolitan areas and are internationally recognized for their high-quality care. About 80% of Texas residents younger than 65 years and 99% of residents aged 65 years or older are covered by either private or public health insurance.

## REGISTRY STRUCTURE AND METHODS

The TCR is a combination active and passive surveillance system responsible for the collection, maintenance, and dissemination of high-quality population-based cancer data on Texas residents. Confidential reporting without informed consent is mandated by law and has been population-based since 1995. In 2009, the registry’s data sources included more than 500 public and private hospitals, cancer treatment centres, ambulatory surgery centres, and pathology laboratories. Vital status is ascertained at least annually from the state’s Department of Vital Statistics and the National Death Index. The TCR consists of a central office and six regional offices and has 52 employees, 50% of whom are certified tumour registrars. In 2009, the registry received more than 248 000 reports of cancer; of these, more than 20 000 were for out-of-state residents, largely due to the internationally recognized cancer care available in Texas. These reports are distributed throughout the USA to other state cancer registries and make a significant contribution to the overall national cancer surveillance system.

## INTERPRETING THE RESULTS

Since 2006, TCR data have met the highest quality standards as defined by the North American Association

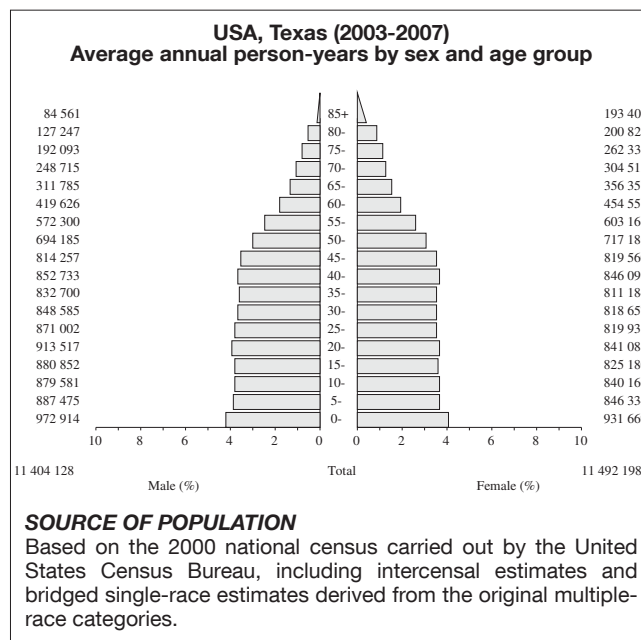
of Central Cancer Registries (NAACCR) and the United States Centers for Disease Control and Prevention’s (CDC’s) National Program of Cancer Registries (NPCR). The Texas Comprehensive Cancer Control Program operates tobacco use cessation, breast cancer screening, and survivorship navigation programmes to reduce cancer risk, increase early detection and treatment rates, and enhance survivorship, respectively.

## USE OF THE DATA

In addition to publishing annual reports on all cancers in Texas and specialized reports on particular cancers, the TCR also reports at least annually on cancer incidence, mortality, and survival, as well as expected cases and deaths and estimated prevalence, both through the TCR website and in print publications.

## CONTRIBUTOR

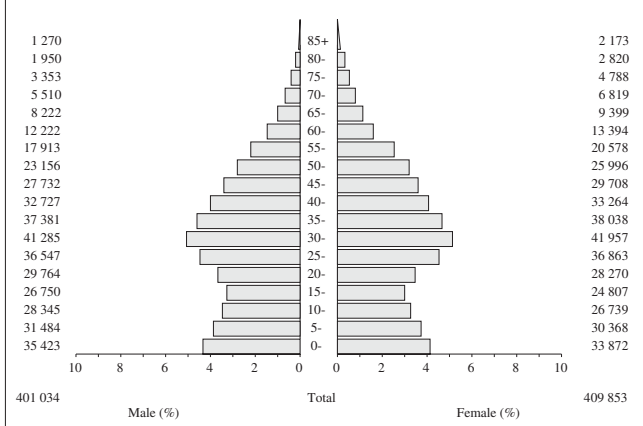
Melanie Williams



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 96.9  | Breast                     | 81.1  |
| Trachea, bronchus and lung | 53.1  | Trachea, bronchus and lung | 32.7  |
| Colon                      | 24.0  | Colon                      | 17.9  |
| Bladder                    | 17.1  | Corpus uteri               | 13.0  |
| Non-Hodgkin lymphoma       | 15.1  | Thyroid                    | 11.5  |
| Kidney                     | 15.0  | Non-Hodgkin lymphoma       | 11.0  |
| Melanoma of skin           | 12.2  | Ovary                      | 8.9   |
| Rectum                     | 11.2  | Kidney                     | 8.4   |
| Liver                      | 8.8   | Cervix uteri               | 7.7   |
| Pancreas                   | 8.0   | Melanoma of skin           | 7.7   |
| All sites                  | 352.7 | All sites                  | 269.5 |

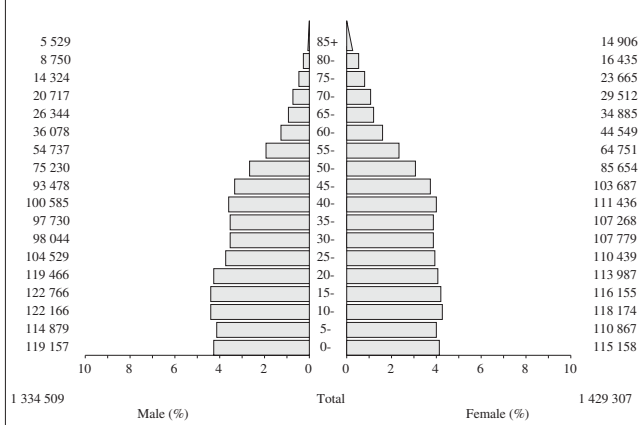
**USA, Texas: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, TEXAS: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 27.5  | Breast                     | 36.5  |
| Trachea, bronchus and lung | 20.9  | Trachea, bronchus and lung | 15.8  |
| Liver                      | 13.2  | Colon                      | 10.0  |
| Colon                      | 10.6  | Thyroid                    | 7.7   |
| Stomach                    | 6.9   | Liver                      | 5.6   |
| Rectum                     | 6.9   | Corpus uteri               | 5.2   |
| Non-Hodgkin lymphoma       | 5.5   | Non-Hodgkin lymphoma       | 4.7   |
| Bladder                    | 4.9   | Ovary                      | 4.5   |
| Kidney                     | 3.7   | Rectum                     | 4.4   |
| Pancreas                   | 3.1   | Cervix uteri               | 3.4   |
| All sites                  | 130.4 | All sites                  | 127.0 |

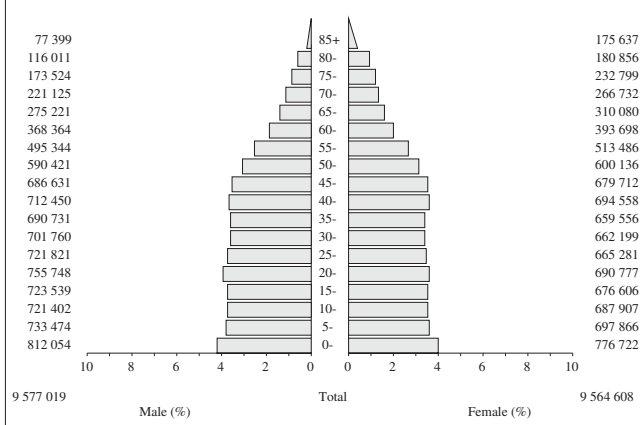
**USA, Texas: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, TEXAS: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 147.1 | Breast                     | 84.7  |
| Trachea, bronchus and lung | 79.5  | Trachea, bronchus and lung | 35.9  |
| Colon                      | 34.9  | Colon                      | 26.7  |
| Kidney                     | 17.2  | Corpus uteri               | 11.8  |
| Non-Hodgkin lymphoma       | 13.4  | Non-Hodgkin lymphoma       | 9.1   |
| Liver                      | 12.6  | Kidney                     | 9.1   |
| Rectum                     | 12.4  | Pancreas                   | 8.4   |
| Pancreas                   | 11.1  | Cervix uteri               | 8.3   |
| Stomach                    | 10.5  | Ovary                      | 7.7   |
| Multiple myeloma           | 10.2  | Rectum                     | 7.4   |
| All sites                  | 437.5 | All sites                  | 278.4 |

**USA, Texas: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, TEXAS: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 89.7  | Breast                     | 80.7  |
| Trachea, bronchus and lung | 51.1  | Trachea, bronchus and lung | 32.7  |
| Colon                      | 22.9  | Colon                      | 16.9  |
| Bladder                    | 17.7  | Corpus uteri               | 13.3  |
| Non-Hodgkin lymphoma       | 15.2  | Thyroid                    | 11.9  |
| Kidney                     | 14.9  | Non-Hodgkin lymphoma       | 11.2  |
| Melanoma of skin           | 13.2  | Ovary                      | 9.1   |
| Rectum                     | 11.0  | Melanoma of skin           | 8.4   |
| Liver                      | 8.0   | Kidney                     | 8.4   |
| Pancreas                   | 7.8   | Cervix uteri               | 7.8   |
| All sites                  | 342.8 | All sites                  | 268.8 |

## USA, Texas (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 496       | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.08      | 110       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 2087      | 0.9       | 3.7                      | <b>3.2</b>   | 0.23                     | 0.39      | 838       | 0.4                      | 1.5       | <b>1.1</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 1264      | 0.5       | 2.2                      | <b>1.9</b>   | 0.13                     | 0.24      | 751       | 0.4                      | 1.3       | <b>0.9</b>               | 0.05   | 0.10  | C03-06          |
| Salivary glands              | 701       | 0.3       | 1.2                      | <b>1.0</b>   | 0.05                     | 0.12      | 503       | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 1423      | 0.6       | 2.5                      | <b>2.2</b>   | 0.18                     | 0.26      | 352       | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 332       | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.06      | 114       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 408       | 0.2       | 0.7                      | <b>0.6</b>   | 0.05                     | 0.07      | 168       | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C11             |
| Hypopharynx                  | 590       | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                     | 0.12      | 125       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 232       | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.04      | 83        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 3445      | 1.5       | 6.0                      | <b>5.1</b>   | 0.29                     | 0.63      | 865       | 0.4                      | 1.5       | <b>1.0</b>               | 0.05   | 0.12  | C15             |
| Stomach                      | 4342      | 1.8       | 7.6                      | <b>6.3</b>   | 0.33                     | 0.74      | 2778      | 1.3                      | 4.8       | <b>3.2</b>               | 0.17   | 0.37  | C16             |
| Small intestine              | 1100      | 0.5       | 1.9                      | <b>1.6</b>   | 0.09                     | 0.19      | 1030      | 0.5                      | 1.8       | <b>1.3</b>               | 0.08   | 0.15  | C17             |
| Colon                        | 16606     | 7.0       | 29.1                     | <b>24.0</b>  | 1.19                     | 2.84      | 15874     | 7.5                      | 27.6      | <b>17.9</b>              | 0.90   | 2.07  | C18             |
| Rectum                       | 7532      | 3.2       | 13.2                     | <b>11.2</b>  | 0.65                     | 1.37      | 5237      | 2.5                      | 9.1       | <b>6.5</b>               | 0.41   | 0.75  | C19-20          |
| Anus                         | 603       | 0.3       | 1.1                      | <b>0.9</b>   | 0.06                     | 0.10      | 827       | 0.4                      | 1.4       | <b>1.1</b>               | 0.08   | 0.12  | C21             |
| Liver                        | 5926      | 2.5       | 10.4                     | <b>8.8</b>   | 0.57                     | 1.02      | 2419      | 1.1                      | 4.2       | <b>2.9</b>               | 0.15   | 0.35  | C22             |
| Gallbladder etc.             | 1143      | 0.5       | 2.0                      | <b>1.6</b>   | 0.07                     | 0.19      | 1440      | 0.7                      | 2.5       | <b>1.6</b>               | 0.07   | 0.19  | C23-24          |
| Pancreas                     | 5527      | 2.3       | 9.7                      | <b>8.0</b>   | 0.40                     | 0.97      | 5296      | 2.5                      | 9.2       | <b>5.8</b>               | 0.26   | 0.67  | C25             |
| Nose, sinuses etc.           | 412       | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.07      | 277       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 3329      | 1.4       | 5.8                      | <b>5.1</b>   | 0.31                     | 0.65      | 755       | 0.4                      | 1.3       | <b>1.0</b>               | 0.06   | 0.13  | C32             |
| Trachea, bronchus and lung   | 36372     | 15.4      | 63.8                     | <b>53.1</b>  | 2.34                     | 6.72      | 27399     | 12.9                     | 47.7      | <b>32.7</b>              | 1.53   | 4.23  | C33-34          |
| Other thoracic organs        | 252       | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.04      | 191       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 720       | 0.3       | 1.3                      | <b>1.2</b>   | 0.07                     | 0.10      | 572       | 0.3                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 8303      | 3.5       | 14.6                     | <b>12.2</b>  | 0.71                     | 1.39      | 5634      | 2.7                      | 9.8       | <b>7.7</b>               | 0.53   | 0.78  | C43             |
| Other skin                   | 643       | 0.3       | 1.1                      | <b>0.9</b>   | 0.05                     | 0.09      | 492       | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C44             |
| Mesothelioma                 | 670       | 0.3       | 1.2                      | <b>0.9</b>   | 0.03                     | 0.11      | 192       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 516       | 0.2       | 0.9                      | <b>0.8</b>   | 0.06                     | 0.07      | 74        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 1723      | 0.7       | 3.0                      | <b>2.7</b>   | 0.16                     | 0.27      | 1393      | 0.7                      | 2.4       | <b>2.0</b>               | 0.12   | 0.19  | C47+C49         |
| Breast                       | 460       | 0.2       | 0.8                      | <b>0.7</b>   | 0.03                     | 0.08      | 61477     | 29.0                     | 107.0     | <b>81.1</b>              | 5.74   | 9.40  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 1130      | 0.5                      | 2.0       | <b>1.4</b>               | 0.09   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 391       | 0.2                      | 0.7       | <b>0.5</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 5401      | 2.5                      | 9.4       | <b>7.7</b>               | 0.60   | 0.75  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 9733      | 4.6                      | 16.9      | <b>13.0</b>              | 0.92   | 1.58  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 577       | 0.3                      | 1.0       | <b>0.7</b>               | 0.05   | 0.08  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 6870      | 3.2                      | 12.0      | <b>8.9</b>               | 0.57   | 1.01  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 305       | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 57        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 435       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 63373     | 26.8      | 111.1                    | <b>96.9</b>  | 4.77                     | 13.07     |           |                          |           |                          |        |       | C61             |
| Testis                       | 2918      | 1.2       | 5.1                      | <b>4.7</b>   | 0.34                     | 0.35      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 95        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 9929      | 4.2       | 17.4                     | <b>15.0</b>  | 0.92                     | 1.80      | 6485      | 3.1                      | 11.3      | <b>8.4</b>               | 0.52   | 0.99  | C64             |
| Renal pelvis                 | 363       | 0.2       | 0.6                      | <b>0.5</b>   | 0.02                     | 0.07      | 246       | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 234       | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.04      | 152       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 12159     | 5.1       | 21.3                     | <b>17.1</b>  | 0.68                     | 1.99      | 3908      | 1.8                      | 6.8       | <b>4.2</b>               | 0.18   | 0.47  | C67             |
| Other urinary organs         | 106       | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 71        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 479       | 0.2       | 0.8                      | <b>0.8</b>   | 0.04                     | 0.08      | 389       | 0.2                      | 0.7       | <b>0.6</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 3847      | 1.6       | 6.7                      | <b>6.2</b>   | 0.39                     | 0.60      | 3204      | 1.5                      | 5.6       | <b>4.8</b>               | 0.29   | 0.45  | C70-72          |
| Thyroid                      | 2488      | 1.1       | 4.4                      | <b>3.8</b>   | 0.27                     | 0.42      | 7811      | 3.7                      | 13.6      | <b>11.5</b>              | 0.87   | 1.13  | C73             |
| Adrenal gland                | 165       | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 160       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 97        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 83        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 1565      | 0.7       | 2.7                      | <b>2.5</b>   | 0.17                     | 0.22      | 1267      | 0.6                      | 2.2       | <b>2.0</b>               | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 10221     | 4.3       | 17.9                     | <b>15.1</b>  | 0.83                     | 1.69      | 8952      | 4.2                      | 15.6      | <b>11.0</b>              | 0.62   | 1.26  | C82-85,C96      |
| Immunoproliferative diseases | 188       | 0.1       | 0.3                      | <b>0.3</b>   | 0.01                     | 0.03      | 123       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 3435      | 1.5       | 6.0                      | <b>5.0</b>   | 0.24                     | 0.60      | 2858      | 1.3                      | 5.0       | <b>3.3</b>               | 0.17   | 0.41  | C90             |
| Lymphoid leukaemia           | 4049      | 1.7       | 7.1                      | <b>6.4</b>   | 0.31                     | 0.65      | 2927      | 1.4                      | 5.1       | <b>4.0</b>               | 0.19   | 0.36  | C91             |
| Myeloid leukaemia            | 3067      | 1.3       | 5.4                      | <b>4.5</b>   | 0.23                     | 0.46      | 2630      | 1.2                      | 4.6       | <b>3.4</b>               | 0.20   | 0.34  | C92-94          |
| Leukaemia unspecified        | 378       | 0.2       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.04      | 322       | 0.2                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 2387      | 1.0       | 4.2                      | <b>3.6</b>   | 0.21                     | 0.40      | 1872      | 0.9                      | 3.3       | <b>2.3</b>               | 0.13   | 0.24  | MPD             |
| Myelodysplastic syndromes    | 2675      | 1.1       | 4.7                      | <b>3.5</b>   | 0.10                     | 0.35      | 2318      | 1.1                      | 4.0       | <b>2.3</b>               | 0.08   | 0.25  | MDS             |
| Other and unspecified        | 5017      | 2.1       | 8.8                      | <b>7.2</b>   | 0.36                     | 0.79      | 5280      | 2.5                      | 9.2       | <b>5.6</b>               | 0.26   | 0.61  | O&U             |
| All sites                    | 236827    |           | 415.3                    | <b>352.7</b> | 18.30                    | 42.82     | 212788    |                          | 370.3     | <b>269.5</b>             | 16.61  | 30.74 | C00-96          |
| All sites except C44         | 236184    | 100.0     | 414.2                    | <b>351.8</b> | 18.25                    | 42.73     | 212296    | 100.0                    | 369.5     | <b>268.9</b>             | 16.57  | 30.68 | C00-96 exc. C44 |

## USA, Texas: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 8         | 0.4       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.06      | 8         | 0.3                      | 0.4       | <b>0.4</b>               | 0.02   | 0.06  | C01-02          |
| Mouth                        | 13        | 0.6       | 0.6                      | <b>0.7</b>   | 0.05                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C03-06          |
| Salivary glands              | 9         | 0.4       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 7         | 0.3                      | 0.3       | <b>0.4</b>               | 0.01   | 0.03  | C07-08          |
| Tonsil                       | 5         | 0.2       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.03      | 5         | 0.2                      | 0.2       | <b>0.2</b>               | 0.02   | 0.03  | C09             |
| Other oropharynx             | 1         | 0.0       | 0.0                      | <b>0.1</b>   | 0.00                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 19        | 0.8       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.09      | 10        | 0.4                      | 0.5       | <b>0.4</b>               | 0.04   | 0.04  | C11             |
| Hypopharynx                  | 5         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.02      | 2         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 27        | 1.2       | 1.3                      | <b>1.5</b>   | 0.05                     | 0.17      | 4         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.01  | C15             |
| Stomach                      | 119       | 5.3       | 5.9                      | <b>6.9</b>   | 0.30                     | 0.82      | 73        | 2.6                      | 3.6       | <b>3.3</b>               | 0.15   | 0.32  | C16             |
| Small intestine              | 8         | 0.4       | 0.4                      | <b>0.5</b>   | 0.01                     | 0.05      | 7         | 0.3                      | 0.3       | <b>0.3</b>               | 0.01   | 0.03  | C17             |
| Colon                        | 187       | 8.3       | 9.3                      | <b>10.6</b>  | 0.46                     | 1.19      | 215       | 7.7                      | 10.5      | <b>10.0</b>              | 0.43   | 1.10  | C18             |
| Rectum                       | 121       | 5.4       | 6.0                      | <b>6.9</b>   | 0.40                     | 0.78      | 93        | 3.3                      | 4.5       | <b>4.4</b>               | 0.25   | 0.55  | C19-20          |
| Anus                         | 5         | 0.2       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.02      | 8         | 0.3                      | 0.4       | <b>0.4</b>               | 0.04   | 0.04  | C21             |
| Liver                        | 239       | 10.7      | 11.9                     | <b>13.2</b>  | 0.76                     | 1.61      | 114       | 4.1                      | 5.6       | <b>5.6</b>               | 0.28   | 0.70  | C22             |
| Gallbladder etc.             | 21        | 0.9       | 1.0                      | <b>1.2</b>   | 0.06                     | 0.13      | 32        | 1.1                      | 1.6       | <b>1.6</b>               | 0.08   | 0.18  | C23-24          |
| Pancreas                     | 55        | 2.5       | 2.7                      | <b>3.1</b>   | 0.09                     | 0.31      | 67        | 2.4                      | 3.3       | <b>3.1</b>               | 0.14   | 0.31  | C25             |
| Nose, sinuses etc.           | 7         | 0.3       | 0.3                      | <b>0.4</b>   | 0.03                     | 0.03      | 6         | 0.2                      | 0.3       | <b>0.3</b>               | 0.01   | 0.03  | C30-31          |
| Larynx                       | 10        | 0.4       | 0.5                      | <b>0.6</b>   | 0.02                     | 0.08      | 4         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.04  | C32             |
| Trachea, bronchus and lung   | 349       | 15.6      | 17.4                     | <b>20.9</b>  | 0.79                     | 2.48      | 325       | 11.7                     | 15.9      | <b>15.8</b>              | 0.62   | 1.97  | C33-34          |
| Other thoracic organs        | 6         | 0.3       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 6         | 0.2                      | 0.3       | <b>0.3</b>               | 0.01   | 0.04  | C37-38          |
| Bone                         | 5         | 0.2       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.03      | 7         | 0.3                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C40-41          |
| Melanoma of skin             | 4         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 9         | 0.3                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C43             |
| Other skin                   | 4         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 9         | 0.3                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C44             |
| Mesothelioma                 | 2         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 7         | 0.3                      | 0.3       | <b>0.3</b>               | 0.02   | 0.05  | C45             |
| Kaposi sarcoma               | 4         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 26        | 1.2       | 1.3                      | <b>1.5</b>   | 0.08                     | 0.16      | 12        | 0.4                      | 0.6       | <b>0.6</b>               | 0.03   | 0.08  | C47+C49         |
| Breast                       | 4         | 0.2       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.00      | 843       | 30.2                     | 41.1      | <b>36.5</b>              | 2.78   | 4.14  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 6         | 0.2                      | 0.3       | <b>0.2</b>               | 0.02   | 0.03  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 6         | 0.2                      | 0.3       | <b>0.3</b>               | 0.01   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 79        | 2.8                      | 3.9       | <b>3.4</b>               | 0.26   | 0.41  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 117       | 4.2                      | 5.7       | <b>5.2</b>               | 0.40   | 0.62  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 7         | 0.3                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 100       | 3.6                      | 4.9       | <b>4.5</b>               | 0.35   | 0.47  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 3         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 3         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 2         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 437       | 19.5      | 21.8                     | <b>27.5</b>  | 0.98                     | 3.53      |           |                          |           |                          |        |       | C61             |
| Testis                       | 18        | 0.8       | 0.9                      | <b>0.7</b>   | 0.05                     | 0.05      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 3         | 0.1       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 66        | 2.9       | 3.3                      | <b>3.7</b>   | 0.18                     | 0.42      | 36        | 1.3                      | 1.8       | <b>1.7</b>               | 0.10   | 0.16  | C64             |
| Renal pelvis                 | 2         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 2         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 3         | 0.1       | 0.1                      | <b>0.2</b>   | 0.02                     | 0.03      | 2         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 81        | 3.6       | 4.0                      | <b>4.9</b>   | 0.17                     | 0.57      | 33        | 1.2                      | 1.6       | <b>1.6</b>               | 0.04   | 0.15  | C67             |
| Other urinary organs         | 1         | 0.0       | 0.0                      | <b>0.1</b>   | 0.01                     | 0.01      | 3         | 0.1                      | 0.1       | <b>0.2</b>               | 0.00   | 0.03  | C68             |
| Eye                          | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C69             |
| Brain, nervous system        | 43        | 1.9       | 2.1                      | <b>2.4</b>   | 0.13                     | 0.20      | 38        | 1.4                      | 1.9       | <b>1.8</b>               | 0.11   | 0.16  | C70-72          |
| Thyroid                      | 42        | 1.9       | 2.1                      | <b>2.1</b>   | 0.14                     | 0.23      | 187       | 6.7                      | 9.1       | <b>7.7</b>               | 0.56   | 0.75  | C73             |
| Adrenal gland                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 3         | 0.1                      | 0.1       | <b>0.2</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 3         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 2         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 14        | 0.6       | 0.7                      | <b>0.8</b>   | 0.04                     | 0.07      | 13        | 0.5                      | 0.6       | <b>0.6</b>               | 0.03   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 102       | 4.5       | 5.1                      | <b>5.5</b>   | 0.28                     | 0.64      | 99        | 3.6                      | 4.8       | <b>4.7</b>               | 0.22   | 0.54  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.0       | 0.0                      | <b>0.1</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 30        | 1.3       | 1.5                      | <b>1.8</b>   | 0.06                     | 0.27      | 18        | 0.6                      | 0.9       | <b>0.8</b>               | 0.05   | 0.08  | C90             |
| Lymphoid leukaemia           | 20        | 0.9       | 1.0                      | <b>1.3</b>   | 0.05                     | 0.11      | 23        | 0.8                      | 1.1       | <b>1.3</b>               | 0.08   | 0.11  | C91             |
| Myeloid leukaemia            | 28        | 1.2       | 1.4                      | <b>1.6</b>   | 0.08                     | 0.16      | 39        | 1.4                      | 1.9       | <b>1.8</b>               | 0.10   | 0.16  | C92-94          |
| Leukaemia unspecified        | 1         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 21        | 0.9       | 1.0                      | <b>1.2</b>   | 0.06                     | 0.14      | 20        | 0.7                      | 1.0       | <b>0.8</b>               | 0.05   | 0.09  | MPD             |
| Myelodysplastic syndromes    | 18        | 0.8       | 0.9                      | <b>1.2</b>   | 0.02                     | 0.10      | 22        | 0.8                      | 1.1       | <b>1.1</b>               | 0.01   | 0.10  | MDS             |
| Other and unspecified        | 48        | 2.1       | 2.4                      | <b>2.7</b>   | 0.15                     | 0.29      | 55        | 2.0                      | 2.7       | <b>2.7</b>               | 0.13   | 0.31  | O&U             |
| All sites                    | 2248      |           | 112.1                    | <b>130.4</b> | 5.74                     | 15.14     | 2796      |                          | 136.4     | <b>127.0</b>             | 7.68   | 14.26 | C00-96          |
| All sites except C44         | 2244      | 100.0     | 111.9                    | <b>130.2</b> | 5.73                     | 15.13     | 2787      | 100.0                    | 136.0     | <b>126.6</b>             | 7.65   | 14.23 | C00-96 exc. C44 |

## USA, Texas: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 2         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 151       | 0.6       | 2.3                      | <b>2.5</b>   | 0.20                     | 0.30      | 59        | 0.3                      | 0.8       | <b>0.7</b>               | 0.06   | 0.08  | C01-02          |
| Mouth                        | 148       | 0.6       | 2.2                      | <b>2.4</b>   | 0.18                     | 0.31      | 77        | 0.3                      | 1.1       | <b>1.0</b>               | 0.06   | 0.11  | C03-06          |
| Salivary glands              | 58        | 0.2       | 0.9                      | <b>0.9</b>   | 0.06                     | 0.10      | 53        | 0.2                      | 0.7       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 116       | 0.5       | 1.7                      | <b>1.9</b>   | 0.15                     | 0.24      | 39        | 0.2                      | 0.5       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 36        | 0.1       | 0.5                      | <b>0.6</b>   | 0.04                     | 0.07      | 11        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 61        | 0.2       | 0.9                      | <b>0.9</b>   | 0.07                     | 0.11      | 34        | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.04  | C11             |
| Hypopharynx                  | 89        | 0.3       | 1.3                      | <b>1.5</b>   | 0.10                     | 0.19      | 18        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 38        | 0.1       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.08      | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 354       | 1.4       | 5.3                      | <b>6.1</b>   | 0.35                     | 0.77      | 128       | 0.6                      | 1.8       | <b>1.6</b>               | 0.09   | 0.20  | C15             |
| Stomach                      | 641       | 2.5       | 9.6                      | <b>10.5</b>  | 0.52                     | 1.15      | 428       | 1.9                      | 6.0       | <b>4.8</b>               | 0.25   | 0.51  | C16             |
| Small intestine              | 155       | 0.6       | 2.3                      | <b>2.5</b>   | 0.16                     | 0.28      | 168       | 0.7                      | 2.4       | <b>2.0</b>               | 0.13   | 0.23  | C17             |
| Colon                        | 2096      | 8.1       | 31.4                     | <b>34.9</b>  | 1.87                     | 4.15      | 2246      | 9.9                      | 31.4      | <b>26.7</b>              | 1.42   | 3.17  | C18             |
| Rectum                       | 760       | 2.9       | 11.4                     | <b>12.4</b>  | 0.76                     | 1.46      | 619       | 2.7                      | 8.7       | <b>7.4</b>               | 0.43   | 0.88  | C19-20          |
| Anus                         | 80        | 0.3       | 1.2                      | <b>1.2</b>   | 0.10                     | 0.14      | 77        | 0.3                      | 1.1       | <b>1.0</b>               | 0.07   | 0.11  | C21             |
| Liver                        | 801       | 3.1       | 12.0                     | <b>12.6</b>  | 0.99                     | 1.46      | 270       | 1.2                      | 3.8       | <b>3.5</b>               | 0.24   | 0.41  | C22             |
| Gallbladder etc.             | 89        | 0.3       | 1.3                      | <b>1.5</b>   | 0.07                     | 0.16      | 135       | 0.6                      | 1.9       | <b>1.6</b>               | 0.08   | 0.18  | C23-24          |
| Pancreas                     | 656       | 2.5       | 9.8                      | <b>11.1</b>  | 0.60                     | 1.34      | 733       | 3.2                      | 10.3      | <b>8.4</b>               | 0.38   | 0.96  | C25             |
| Nose, sinuses etc.           | 31        | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.05      | 28        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 512       | 2.0       | 7.7                      | <b>8.8</b>   | 0.55                     | 1.14      | 124       | 0.5                      | 1.7       | <b>1.7</b>               | 0.12   | 0.22  | C32             |
| Trachea, bronchus and lung   | 4601      | 17.9      | 69.0                     | <b>79.5</b>  | 4.04                     | 9.91      | 2843      | 12.5                     | 39.8      | <b>35.9</b>              | 1.88   | 4.67  | C33-34          |
| Other thoracic organs        | 32        | 0.1       | 0.5                      | <b>0.5</b>   | 0.04                     | 0.04      | 36        | 0.2                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C37-38          |
| Bone                         | 75        | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                     | 0.09      | 69        | 0.3                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 34        | 0.1       | 0.5                      | <b>0.6</b>   | 0.02                     | 0.06      | 55        | 0.2                      | 0.8       | <b>0.6</b>               | 0.04   | 0.05  | C43             |
| Other skin                   | 42        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 54        | 0.2                      | 0.8       | <b>0.7</b>               | 0.05   | 0.07  | C44             |
| Mesothelioma                 | 45        | 0.2       | 0.7                      | <b>0.8</b>   | 0.03                     | 0.10      | 14        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 126       | 0.5       | 1.9                      | <b>1.7</b>   | 0.13                     | 0.14      | 14        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C46             |
| Connective and soft tissue   | 161       | 0.6       | 2.4                      | <b>2.5</b>   | 0.16                     | 0.25      | 170       | 0.7                      | 2.4       | <b>2.2</b>               | 0.14   | 0.24  | C47+C49         |
| Breast                       | 59        | 0.2       | 0.9                      | <b>1.0</b>   | 0.05                     | 0.12      | 6887      | 30.3                     | 96.4      | <b>84.7</b>              | 6.13   | 9.67  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 111       | 0.5                      | 1.6       | <b>1.3</b>               | 0.09   | 0.14  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 65        | 0.3                      | 0.9       | <b>0.7</b>               | 0.03   | 0.07  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 690       | 3.0                      | 9.7       | <b>8.3</b>               | 0.61   | 0.87  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 922       | 4.1                      | 12.9      | <b>11.8</b>              | 0.73   | 1.51  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 84        | 0.4                      | 1.2       | <b>1.1</b>               | 0.08   | 0.12  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 623       | 2.7                      | 8.7       | <b>7.7</b>               | 0.46   | 0.90  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 26        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 37        | 0.1       | 0.6                      | <b>0.6</b>   | 0.03                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 8299      | 32.2      | 124.4                    | <b>147.1</b> | 8.23                     | 19.43     |           |                          |           |                          |        |       | C61             |
| Testis                       | 88        | 0.3       | 1.3                      | <b>1.2</b>   | 0.09                     | 0.09      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 12        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1046      | 4.1       | 15.7                     | <b>17.2</b>  | 1.11                     | 2.09      | 719       | 3.2                      | 10.1      | <b>9.1</b>               | 0.56   | 1.04  | C64             |
| Renal pelvis                 | 16        | 0.1       | 0.2                      | <b>0.3</b>   | 0.01                     | 0.03      | 18        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C65             |
| Ureter                       | 7         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.01      | 12        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 583       | 2.3       | 8.7                      | <b>9.8</b>   | 0.47                     | 1.12      | 316       | 1.4                      | 4.4       | <b>3.4</b>               | 0.13   | 0.36  | C67             |
| Other urinary organs         | 15        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 19        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C68             |
| Eye                          | 12        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 18        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C69             |
| Brain, nervous system        | 247       | 1.0       | 3.7                      | <b>3.9</b>   | 0.25                     | 0.37      | 248       | 1.1                      | 3.5       | <b>3.4</b>               | 0.20   | 0.32  | C70-72          |
| Thyroid                      | 146       | 0.6       | 2.2                      | <b>2.3</b>   | 0.17                     | 0.26      | 595       | 2.6                      | 8.3       | <b>7.3</b>               | 0.57   | 0.74  | C73             |
| Adrenal gland                | 24        | 0.1       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.03      | 18        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C74             |
| Other endocrine              | 17        | 0.1       | 0.3                      | <b>0.2</b>   | 0.02                     | 0.02      | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C75             |
| Hodgkin lymphoma             | 208       | 0.8       | 3.1                      | <b>3.0</b>   | 0.21                     | 0.26      | 135       | 0.6                      | 1.9       | <b>1.8</b>               | 0.13   | 0.16  | C81             |
| Non-Hodgkin lymphoma         | 865       | 3.4       | 13.0                     | <b>13.4</b>  | 0.88                     | 1.44      | 738       | 3.2                      | 10.3      | <b>9.1</b>               | 0.60   | 0.97  | C82-85,C96      |
| Immunoproliferative diseases | 9         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 598       | 2.3       | 9.0                      | <b>10.2</b>  | 0.57                     | 1.24      | 579       | 2.5                      | 8.1       | <b>6.9</b>               | 0.34   | 0.85  | C90             |
| Lymphoid leukaemia           | 331       | 1.3       | 5.0                      | <b>5.7</b>   | 0.27                     | 0.64      | 208       | 0.9                      | 2.9       | <b>2.7</b>               | 0.14   | 0.24  | C91             |
| Myeloid leukaemia            | 233       | 0.9       | 3.5                      | <b>3.7</b>   | 0.19                     | 0.38      | 244       | 1.1                      | 3.4       | <b>3.0</b>               | 0.19   | 0.27  | C92-94          |
| Leukaemia unspecified        | 27        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.03      | 20        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 195       | 0.8       | 2.9                      | <b>3.1</b>   | 0.19                     | 0.34      | 165       | 0.7                      | 2.3       | <b>2.0</b>               | 0.13   | 0.22  | MPD             |
| Myelodysplastic syndromes    | 170       | 0.7       | 2.5                      | <b>2.8</b>   | 0.11                     | 0.30      | 148       | 0.7                      | 2.1       | <b>1.6</b>               | 0.06   | 0.15  | MDS             |
| Other and unspecified        | 574       | 2.2       | 8.6                      | <b>9.5</b>   | 0.57                     | 1.09      | 633       | 2.8                      | 8.9       | <b>7.1</b>               | 0.36   | 0.78  | O&U             |
| All sites                    | 25808     |           | 386.8                    | <b>437.5</b> | 24.86                    | 53.61     | 22773     |                          | 318.7     | <b>278.4</b>             | 17.34  | 32.08 | C00-96          |
| All sites except C44         | 25766     | 100.0     | 386.1                    | <b>436.9</b> | 24.82                    | 53.54     | 22719     | 100.0                    | 317.9     | <b>277.7</b>             | 17.28  | 32.01 | C00-96 exc. C44 |

## USA, Texas: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 486       | 0.2       | 1.0                      | <b>0.8</b>   | 0.05                     | 0.09      | 103       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 1886      | 0.9       | 3.9                      | <b>3.3</b>   | 0.24                     | 0.40      | 758       | 0.4                      | 1.6       | <b>1.1</b>               | 0.07   | 0.13  | C01-02          |
| Mouth                        | 1077      | 0.5       | 2.2                      | <b>1.9</b>   | 0.12                     | 0.23      | 655       | 0.4                      | 1.4       | <b>0.9</b>               | 0.05   | 0.10  | C03-06          |
| Salivary glands              | 624       | 0.3       | 1.3                      | <b>1.0</b>   | 0.05                     | 0.12      | 430       | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.06  | C07-08          |
| Tonsil                       | 1288      | 0.6       | 2.7                      | <b>2.3</b>   | 0.19                     | 0.27      | 302       | 0.2                      | 0.6       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 288       | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.06      | 101       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 315       | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.06      | 117       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 491       | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.11      | 105       | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 193       | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04      | 73        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 3025      | 1.5       | 6.3                      | <b>5.1</b>   | 0.29                     | 0.63      | 716       | 0.4                      | 1.5       | <b>0.9</b>               | 0.04   | 0.11  | C15             |
| Stomach                      | 3478      | 1.7       | 7.3                      | <b>5.8</b>   | 0.31                     | 0.68      | 2219      | 1.2                      | 4.6       | <b>3.0</b>               | 0.16   | 0.34  | C16             |
| Small intestine              | 914       | 0.5       | 1.9                      | <b>1.5</b>   | 0.09                     | 0.18      | 836       | 0.5                      | 1.7       | <b>1.2</b>               | 0.07   | 0.14  | C17             |
| Colon                        | 14053     | 7.0       | 29.3                     | <b>22.9</b>  | 1.12                     | 2.71      | 13171     | 7.2                      | 27.5      | <b>16.9</b>              | 0.84   | 1.95  | C18             |
| Rectum                       | 6515      | 3.2       | 13.6                     | <b>11.0</b>  | 0.64                     | 1.36      | 4403      | 2.4                      | 9.2       | <b>6.3</b>               | 0.40   | 0.73  | C19-20          |
| Anus                         | 512       | 0.3       | 1.1                      | <b>0.9</b>   | 0.06                     | 0.10      | 738       | 0.4                      | 1.5       | <b>1.1</b>               | 0.08   | 0.13  | C21             |
| Liver                        | 4765      | 2.4       | 10.0                     | <b>8.0</b>   | 0.51                     | 0.94      | 1989      | 1.1                      | 4.2       | <b>2.7</b>               | 0.14   | 0.32  | C22             |
| Gallbladder etc.             | 1000      | 0.5       | 2.1                      | <b>1.6</b>   | 0.07                     | 0.19      | 1247      | 0.7                      | 2.6       | <b>1.6</b>               | 0.07   | 0.19  | C23-24          |
| Pancreas                     | 4748      | 2.4       | 9.9                      | <b>7.8</b>   | 0.39                     | 0.94      | 4432      | 2.4                      | 9.3       | <b>5.5</b>               | 0.25   | 0.65  | C25             |
| Nose, sinuses etc.           | 363       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07      | 238       | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 2747      | 1.4       | 5.7                      | <b>4.8</b>   | 0.29                     | 0.61      | 618       | 0.3                      | 1.3       | <b>1.0</b>               | 0.06   | 0.13  | C32             |
| Trachea, bronchus and lung   | 31060     | 15.4      | 64.9                     | <b>51.1</b>  | 2.20                     | 6.49      | 23992     | 13.2                     | 50.2      | <b>32.7</b>              | 1.52   | 4.23  | C33-34          |
| Other thoracic organs        | 207       | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.04      | 145       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 617       | 0.3       | 1.3                      | <b>1.2</b>   | 0.07                     | 0.10      | 474       | 0.3                      | 1.0       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 7818      | 3.9       | 16.3                     | <b>13.2</b>  | 0.77                     | 1.51      | 5223      | 2.9                      | 10.9      | <b>8.4</b>               | 0.59   | 0.86  | C43             |
| Other skin                   | 576       | 0.3       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.10      | 407       | 0.2                      | 0.9       | <b>0.6</b>               | 0.03   | 0.06  | C44             |
| Mesothelioma                 | 613       | 0.3       | 1.3                      | <b>1.0</b>   | 0.03                     | 0.11      | 166       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 371       | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                     | 0.06      | 59        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 1483      | 0.7       | 3.1                      | <b>2.7</b>   | 0.16                     | 0.27      | 1181      | 0.6                      | 2.5       | <b>2.0</b>               | 0.12   | 0.18  | C47+C49         |
| Breast                       | 382       | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                     | 0.08      | 52461     | 28.8                     | 109.7     | <b>80.7</b>              | 5.69   | 9.38  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 987       | 0.5                      | 2.1       | <b>1.4</b>               | 0.09   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 315       | 0.2                      | 0.7       | <b>0.4</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 4524      | 2.5                      | 9.5       | <b>7.8</b>               | 0.61   | 0.75  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 8479      | 4.6                      | 17.7      | <b>13.3</b>              | 0.95   | 1.60  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 468       | 0.3                      | 1.0       | <b>0.7</b>               | 0.05   | 0.07  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 6022      | 3.3                      | 12.6      | <b>9.1</b>               | 0.59   | 1.03  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 269       | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 46        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 384       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 51844     | 25.7      | 108.3                    | <b>89.7</b>  | 4.34                     | 12.14     |           |                          |           |                          |        |       | C61             |
| Testis                       | 2717      | 1.3       | 5.7                      | <b>5.3</b>   | 0.38                     | 0.39      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 78        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 8639      | 4.3       | 18.0                     | <b>14.9</b>  | 0.92                     | 1.80      | 5622      | 3.1                      | 11.8      | <b>8.4</b>               | 0.53   | 1.00  | C64             |
| Renal pelvis                 | 340       | 0.2       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.07      | 223       | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 221       | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.04      | 135       | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 11204     | 5.5       | 23.4                     | <b>17.7</b>  | 0.70                     | 2.07      | 3468      | 1.9                      | 7.3       | <b>4.3</b>               | 0.19   | 0.49  | C67             |
| Other urinary organs         | 87        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.02      | 48        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 448       | 0.2       | 0.9                      | <b>0.8</b>   | 0.04                     | 0.08      | 357       | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 3465      | 1.7       | 7.2                      | <b>6.5</b>   | 0.41                     | 0.63      | 2859      | 1.6                      | 6.0       | <b>5.0</b>               | 0.31   | 0.47  | C70-72          |
| Thyroid                      | 2232      | 1.1       | 4.7                      | <b>4.0</b>   | 0.28                     | 0.44      | 6760      | 3.7                      | 14.1      | <b>11.9</b>              | 0.90   | 1.17  | C73             |
| Adrenal gland                | 138       | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 132       | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 75        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 71        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 1302      | 0.6       | 2.7                      | <b>2.4</b>   | 0.17                     | 0.21      | 1088      | 0.6                      | 2.3       | <b>2.1</b>               | 0.14   | 0.17  | C81             |
| Non-Hodgkin lymphoma         | 9038      | 4.5       | 18.9                     | <b>15.2</b>  | 0.83                     | 1.72      | 7919      | 4.3                      | 16.6      | <b>11.2</b>              | 0.63   | 1.29  | C82-85,C96      |
| Immunoproliferative diseases | 173       | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 113       | 0.1                      | 0.2       | <b>0.1</b>               | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 2730      | 1.4       | 5.7                      | <b>4.4</b>   | 0.21                     | 0.53      | 2197      | 1.2                      | 4.6       | <b>2.9</b>               | 0.15   | 0.36  | C90             |
| Lymphoid leukaemia           | 3571      | 1.8       | 7.5                      | <b>6.5</b>   | 0.31                     | 0.65      | 2577      | 1.4                      | 5.4       | <b>4.1</b>               | 0.19   | 0.37  | C91             |
| Myeloid leukaemia            | 2737      | 1.4       | 5.7                      | <b>4.6</b>   | 0.23                     | 0.47      | 2288      | 1.3                      | 4.8       | <b>3.4</b>               | 0.20   | 0.35  | C92-94          |
| Leukaemia unspecified        | 341       | 0.2       | 0.7                      | <b>0.6</b>   | 0.02                     | 0.04      | 289       | 0.2                      | 0.6       | <b>0.4</b>               | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 2084      | 1.0       | 4.4                      | <b>3.6</b>   | 0.21                     | 0.40      | 1628      | 0.9                      | 3.4       | <b>2.3</b>               | 0.13   | 0.24  | MPD             |
| Myelodysplastic syndromes    | 2449      | 1.2       | 5.1                      | <b>3.6</b>   | 0.10                     | 0.35      | 2104      | 1.2                      | 4.4       | <b>2.4</b>               | 0.09   | 0.26  | MDS             |
| Other and unspecified        | 4308      | 2.1       | 9.0                      | <b>6.9</b>   | 0.34                     | 0.77      | 4507      | 2.5                      | 9.4       | <b>5.4</b>               | 0.25   | 0.59  | O&U             |
| All sites                    | 202500    |           | 422.9                    | <b>342.8</b> | 17.61                    | 41.56     | 182854    |                          | 382.4     | <b>268.8</b>             | 16.55  | 30.64 | C00-96          |
| All sites except C44         | 201924    | 100.0     | 421.7                    | <b>341.9</b> | 17.57                    | 41.46     | 182447    | 100.0                    | 381.5     | <b>268.2</b>             | 16.52  | 30.59 | C00-96 exc. C44 |



# USA, Utah

## REGISTRATION AREA

The Utah Cancer Registry (UCR) covers the population of the state of Utah in the USA. In 2012, the population of Utah was estimated at 2.9 million. The state is mostly rural, but 80% of the population lives along the Wasatch Front, an urban area in northern Utah. Utah's population is 79.9% non-Hispanic White and 13.3% Hispanic, with the remaining minority groups relatively evenly distributed.

## CANCER CARE FACILITIES

There are 51 hospitals, two radiation clinics, and numerous nursing homes and hospice care clinics in Utah that report cancer cases to the UCR.

## REGISTRY STRUCTURE AND METHODS

The UCR is a population-based cancer registry that has served the state of Utah since 1966. The registry's primary funding comes from the National Cancer Institute (NCI), with supplementary funding from the University of Utah and the Utah Department of Health (DOH). Research supported by the UCR is funded by Contract No. HHSN261201000026C from the NCI's SEER Program, with additional support from the Utah DOH and the University of Utah.

## INTERPRETING THE RESULTS

The UCR regularly ranks among the top registries in the USA. The registry has achieved North American Association of Central Cancer Registries (NAACCR) Gold Certification and has received one of the highest awards given by the SEER Program each year for more than a decade. Since its inception in 1966, the UCR has provided cancer surveillance for the entire state of Utah. Although the Utah DOH provides limited breast and cervical cancer screening programmes for low-income women, there has been no noticeable impact on incidence or mortality rates in Utah.

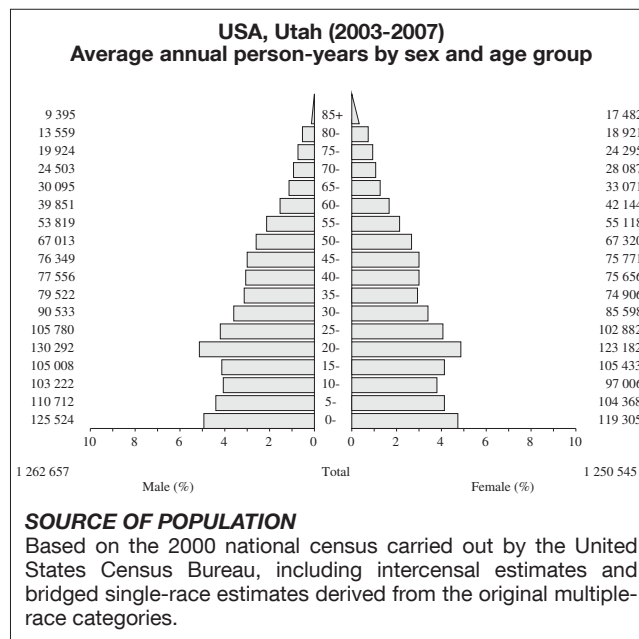
## USE OF THE DATA

The UCR contributes to public health in Utah by collecting and maintaining cancer data, which makes

the monitoring of incidence and mortality trends and the evaluation of prevention and control measures possible. One of the major functions of the UCR is to serve as a resource for researchers, physicians, hospitals, and the Utah DOH. Other functions include serving as an educational and data resource for physicians and institutions, stimulating research into all aspects of cancer in Utah, and promoting state-of-the-art cancer diagnosis and treatment. UCR data are included in the NCI's annual report to the nation on cancer, as well as in national and international publications by NAACCR and IARC. The registry also provides cancer data to the Utah DOH for population-based cancer publications and surveillance. A list of publications using UCR data is available from <http://ucr.utah.edu/research/publications/index.htm>.

## CONTRIBUTORS

Nan Stroup  
Rosemary Dibble



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 121.8 | Breast                     | 75.9  |
| Trachea, bronchus and lung | 23.2  | Thyroid                    | 16.6  |
| Melanoma of skin           | 22.4  | Melanoma of skin           | 16.2  |
| Colon                      | 18.9  | Corpus uteri               | 16.1  |
| Bladder                    | 16.0  | Trachea, bronchus and lung | 15.0  |
| Non-Hodgkin lymphoma       | 15.5  | Colon                      | 14.3  |
| Rectum                     | 9.1   | Non-Hodgkin lymphoma       | 10.7  |
| Kidney                     | 9.0   | Ovary                      | 8.2   |
| Pancreas                   | 6.7   | Kidney                     | 5.5   |
| Brain, nervous system      | 6.7   | Brain, nervous system      | 5.3   |
| All sites                  | 324.2 | All sites                  | 240.3 |

## USA, Utah (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 70        | 0.3       | 1.1                      | <b>1.0</b>   | 0.05                     | 0.12      | 17        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 135       | 0.6       | 2.1                      | <b>2.1</b>   | 0.14                     | 0.28      | 58        | 0.3                      | 0.9       | <b>0.8</b>               | 0.06   | 0.09  | C01-02          |
| Mouth                        | 86        | 0.4       | 1.4                      | <b>1.3</b>   | 0.07                     | 0.17      | 57        | 0.3                      | 0.9       | <b>0.7</b>               | 0.03   | 0.09  | C03-06          |
| Salivary glands              | 63        | 0.3       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.10      | 55        | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.09  | C07-08          |
| Tonsil                       | 93        | 0.4       | 1.5                      | <b>1.5</b>   | 0.13                     | 0.18      | 11        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C09             |
| Other oropharynx             | 16        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.03      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C10             |
| Nasopharynx                  | 14        | 0.1       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.03      | 17        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C11             |
| Hypopharynx                  | 21        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      | 4         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C12-13          |
| Pharynx unspecified          | 8         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.02      | 3         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 264       | 1.2       | 4.2                      | <b>4.1</b>   | 0.23                     | 0.52      | 48        | 0.3                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C15             |
| Stomach                      | 274       | 1.3       | 4.3                      | <b>4.0</b>   | 0.20                     | 0.47      | 165       | 0.9                      | 2.6       | <b>1.9</b>               | 0.10   | 0.20  | C16             |
| Small intestine              | 114       | 0.5       | 1.8                      | <b>1.8</b>   | 0.10                     | 0.23      | 74        | 0.4                      | 1.2       | <b>1.0</b>               | 0.05   | 0.12  | C17             |
| Colon                        | 1298      | 6.1       | 20.6                     | <b>18.9</b>  | 0.94                     | 2.30      | 1192      | 6.8                      | 19.1      | <b>14.3</b>              | 0.71   | 1.64  | C18             |
| Rectum                       | 602       | 2.8       | 9.5                      | <b>9.1</b>   | 0.54                     | 1.07      | 394       | 2.3                      | 6.3       | <b>5.2</b>               | 0.34   | 0.60  | C19-20          |
| Anus                         | 35        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.06      | 59        | 0.3                      | 0.9       | <b>0.8</b>               | 0.05   | 0.10  | C21             |
| Liver                        | 246       | 1.2       | 3.9                      | <b>3.8</b>   | 0.25                     | 0.44      | 98        | 0.6                      | 1.6       | <b>1.4</b>               | 0.07   | 0.17  | C22             |
| Gallbladder etc.             | 75        | 0.4       | 1.2                      | <b>1.0</b>   | 0.06                     | 0.11      | 111       | 0.6                      | 1.8       | <b>1.2</b>               | 0.05   | 0.13  | C23-24          |
| Pancreas                     | 457       | 2.1       | 7.2                      | <b>6.7</b>   | 0.31                     | 0.82      | 445       | 2.5                      | 7.1       | <b>5.3</b>               | 0.24   | 0.65  | C25             |
| Nose, sinuses etc.           | 36        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 26        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 117       | 0.5       | 1.9                      | <b>1.8</b>   | 0.10                     | 0.22      | 35        | 0.2                      | 0.6       | <b>0.5</b>               | 0.03   | 0.07  | C32             |
| Trachea, bronchus and lung   | 1553      | 7.3       | 24.6                     | <b>23.2</b>  | 1.01                     | 3.00      | 1148      | 6.6                      | 18.4      | <b>15.0</b>              | 0.73   | 1.96  | C33-34          |
| Other thoracic organs        | 35        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05      | 17        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C37-38          |
| Bone                         | 81        | 0.4       | 1.3                      | <b>1.2</b>   | 0.08                     | 0.10      | 62        | 0.4                      | 1.0       | <b>0.9</b>               | 0.07   | 0.08  | C40-41          |
| Melanoma of skin             | 1523      | 7.1       | 24.1                     | <b>22.4</b>  | 1.35                     | 2.49      | 1124      | 6.4                      | 18.0      | <b>16.2</b>              | 1.16   | 1.64  | C43             |
| Other skin                   | 122       | 0.6       | 1.9                      | <b>1.7</b>   | 0.08                     | 0.19      | 93        | 0.5                      | 1.5       | <b>1.3</b>               | 0.06   | 0.15  | C44             |
| Mesothelioma                 | 66        | 0.3       | 1.0                      | <b>1.0</b>   | 0.05                     | 0.12      | 19        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C45             |
| Kaposi sarcoma               | 25        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 2         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 224       | 1.0       | 3.5                      | <b>3.3</b>   | 0.18                     | 0.33      | 160       | 0.9                      | 2.6       | <b>2.3</b>               | 0.15   | 0.23  | C47+C49         |
| Breast                       | 42        | 0.2       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.08      | 5372      | 30.7                     | 85.9      | <b>75.9</b>              | 5.20   | 8.92  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 82        | 0.5                      | 1.3       | <b>1.0</b>               | 0.06   | 0.11  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 23        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 292       | 1.7                      | 4.7       | <b>4.3</b>               | 0.34   | 0.42  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 1113      | 6.4                      | 17.8      | <b>16.1</b>              | 1.17   | 1.98  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 19        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 604       | 3.5                      | 9.7       | <b>8.2</b>               | 0.55   | 0.91  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 25        | 0.1                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 7         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 23        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 7784      | 36.5      | 123.3                    | <b>121.8</b> | 6.14                     | 16.69     |           |                          |           |                          |        |       | C61             |
| Testis                       | 455       | 2.1       | 7.2                      | <b>6.7</b>   | 0.48                     | 0.52      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 11        | 0.1       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.03      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 586       | 2.7       | 9.3                      | <b>9.0</b>   | 0.54                     | 1.08      | 397       | 2.3                      | 6.3       | <b>5.5</b>               | 0.35   | 0.64  | C64             |
| Renal pelvis                 | 36        | 0.2       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.04      | 19        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 28        | 0.1       | 0.4                      | <b>0.4</b>   | 0.01                     | 0.05      | 9         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C66             |
| Bladder                      | 1151      | 5.4       | 18.2                     | <b>16.0</b>  | 0.61                     | 1.85      | 295       | 1.7                      | 4.7       | <b>3.5</b>               | 0.13   | 0.41  | C67             |
| Other urinary organs         | 12        | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 5         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 68        | 0.3       | 1.1                      | <b>1.0</b>   | 0.05                     | 0.10      | 41        | 0.2                      | 0.7       | <b>0.6</b>               | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 425       | 2.0       | 6.7                      | <b>6.7</b>   | 0.41                     | 0.66      | 349       | 2.0                      | 5.6       | <b>5.3</b>               | 0.35   | 0.49  | C70-72          |
| Thyroid                      | 330       | 1.5       | 5.2                      | <b>5.2</b>   | 0.38                     | 0.58      | 1092      | 6.2                      | 17.5      | <b>16.6</b>              | 1.31   | 1.59  | C73             |
| Adrenal gland                | 14        | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 12        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 8         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 9         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 166       | 0.8       | 2.6                      | <b>2.5</b>   | 0.17                     | 0.21      | 146       | 0.8                      | 2.3       | <b>2.2</b>               | 0.14   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 1033      | 4.8       | 16.4                     | <b>15.5</b>  | 0.85                     | 1.81      | 825       | 4.7                      | 13.2      | <b>10.7</b>              | 0.60   | 1.21  | C82-85,C96      |
| Immunoproliferative diseases | 11        | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.02      | 6         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 259       | 1.2       | 4.1                      | <b>3.8</b>   | 0.17                     | 0.47      | 191       | 1.1                      | 3.1       | <b>2.4</b>               | 0.12   | 0.30  | C90             |
| Lymphoid leukaemia           | 403       | 1.9       | 6.4                      | <b>6.1</b>   | 0.28                     | 0.64      | 279       | 1.6                      | 4.5       | <b>3.8</b>               | 0.17   | 0.36  | C91             |
| Myeloid leukaemia            | 318       | 1.5       | 5.0                      | <b>4.6</b>   | 0.23                     | 0.48      | 226       | 1.3                      | 3.6       | <b>3.0</b>               | 0.16   | 0.30  | C92-94          |
| Leukaemia unspecified        | 12        | 0.1       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 14        | 0.1                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 95        | 0.4       | 1.5                      | <b>1.4</b>   | 0.09                     | 0.17      | 73        | 0.4                      | 1.2       | <b>0.8</b>               | 0.04   | 0.09  | MPD             |
| Myelodysplastic syndromes    | 195       | 0.9       | 3.1                      | <b>2.5</b>   | 0.08                     | 0.24      | 122       | 0.7                      | 2.0       | <b>1.3</b>               | 0.05   | 0.15  | MDS             |
| Other and unspecified        | 338       | 1.6       | 5.4                      | <b>4.7</b>   | 0.20                     | 0.50      | 439       | 2.5                      | 7.0       | <b>5.3</b>               | 0.23   | 0.60  | O&U             |
| All sites                    | 21456     |           | 339.9                    | <b>324.2</b> | 16.94                    | 39.89     | 17585     |                          | 281.2     | <b>240.3</b>             | 15.23  | 27.15 | C00-96          |
| All sites except C44         | 21334     | 100.0     | 337.9                    | <b>322.4</b> | 16.86                    | 39.70     | 17492     | 100.0                    | 279.7     | <b>239.0</b>             | 15.16  | 27.00 | C00-96 exc. C44 |

# USA, Vermont

## REGISTRATION AREA

The Vermont Cancer Registry (VCR) covers the population of the state of Vermont in the USA. At the most recent census (2010), the population was 626 000. About 39% of Vermont residents live in urban areas (i.e. areas designated by the United States Census Bureau as urbanized areas and/or urban clusters); 95% of residents are White, and 5% are of other races.

## CANCER CARE FACILITIES

General health care in the region is provided predominantly by 15 hospitals, including a Veterans Affairs medical centre. This is supplemented by private practitioners and one outpatient radiation therapy facility. Approximately 91% of Vermont residents have health insurance.

## REGISTRY STRUCTURE AND METHODS

The registry is located within the Vermont Department of Health. It is funded by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR) and in-kind support from reporting hospitals. The registry is staffed by a full-time director, a health data administrator, an education and quality coordinator, and an epidemiologist. Cancer is required to be reported by Vermont health care facilities and health care providers. Interstate data exchange agreements exist with all bordering states and the state of Florida. Electronic editing, visual editing, and hospital auditing are all used as quality assurance strategies. The cancer registry is linked with the Vermont death file annually. Non-matches are traced back to identify cases potentially unreported to the VCR. These cases are traced back with providers to determine their reportability. Records that cannot be traced back to source records are accessioned as death-certificate-only (DCO) cases.

## INTERPRETING THE RESULTS

The VCR data are estimated to be at least 95% complete at 24 months after the close of the diagnosis year. Ladies First is a health screening programme for

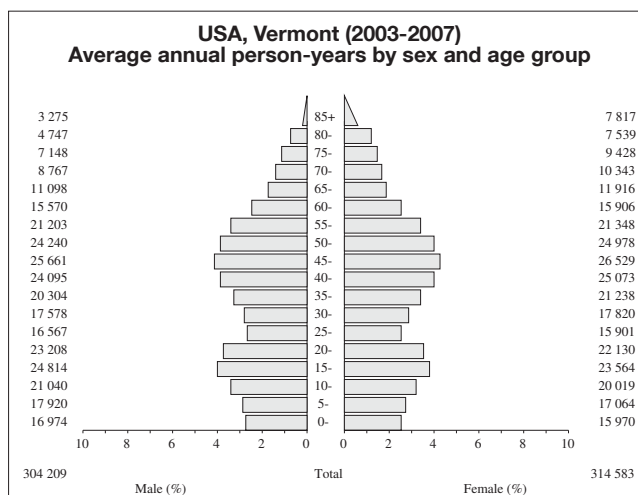
Vermont women that removes financial barriers and encourages women to be screened for breast and cervical cancer.

## USE OF THE DATA

In collaboration with Vermont cancer programmes, the VCR publishes reports that include age-adjusted incidence rates, stage at diagnosis, and age-adjusted mortality rates using SEER site groups, stratified by sex and geographical area where applicable. VCR data are used for planning and evaluation of cancer control objectives. Reports are published with an emphasis on screening-amenable cancers (i.e. breast, cervical, and colorectal cancers) diagnosed at late stage and cancers associated with modifiable risk factors (e.g. tobacco use, obesity, and human papillomavirus infection).

## CONTRIBUTOR

Alison Johnson



## SOURCE OF POPULATION

Based on data from the United States Census Bureau. The intercensal estimates for 2000–2010 were produced by modifying the previously prepared 2000–2010 postcensal estimates to account for differences between the postcensal estimates for 1 April 2010 and the 2010 national census counts.

## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 106.9 | Breast                     | 92.6  |
| Trachea, bronchus and lung | 52.6  | Trachea, bronchus and lung | 40.7  |
| Bladder                    | 25.4  | Corpus uteri               | 23.7  |
| Melanoma of skin           | 23.3  | Melanoma of skin           | 21.3  |
| Colon                      | 18.8  | Colon                      | 18.5  |
| Non-Hodgkin lymphoma       | 15.6  | Thyroid                    | 14.7  |
| Kidney                     | 12.5  | Non-Hodgkin lymphoma       | 12.4  |
| Rectum                     | 12.0  | Ovary                      | 8.7   |
| Lymphoid leukaemia         | 8.1   | Kidney                     | 7.3   |
| Pancreas                   | 7.6   | Rectum                     | 7.3   |
| All sites                  | 370.9 | All sites                  | 317.6 |

## USA, Vermont (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 10        | 0.1       | 0.7                      | <b>0.4</b>   | 0.03                     | 0.03      | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C00             |
| Tongue                       | 92        | 1.1       | 6.0                      | <b>4.1</b>   | 0.29                     | 0.52      | 28        | 0.3                      | 1.8       | <b>1.0</b>               | 0.07   | 0.10  | C01-02          |
| Mouth                        | 59        | 0.7       | 3.9                      | <b>2.5</b>   | 0.16                     | 0.31      | 36        | 0.4                      | 2.3       | <b>1.2</b>               | 0.03   | 0.17  | C03-06          |
| Salivary glands              | 20        | 0.2       | 1.3                      | <b>0.8</b>   | 0.04                     | 0.09      | 13        | 0.2                      | 0.8       | <b>0.6</b>               | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 62        | 0.7       | 4.1                      | <b>2.8</b>   | 0.23                     | 0.31      | 14        | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 13        | 0.1       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.08      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C10             |
| Nasopharynx                  | 8         | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.05      | 4         | 0.0                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 21        | 0.2       | 1.4                      | <b>0.8</b>   | 0.05                     | 0.11      | 6         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.01  | C12-13          |
| Pharynx unspecified          | 5         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 3         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 138       | 1.6       | 9.1                      | <b>5.5</b>   | 0.26                     | 0.67      | 54        | 0.6                      | 3.4       | <b>1.7</b>               | 0.08   | 0.22  | C15             |
| Stomach                      | 108       | 1.2       | 7.1                      | <b>4.0</b>   | 0.19                     | 0.44      | 60        | 0.7                      | 3.8       | <b>1.9</b>               | 0.10   | 0.19  | C16             |
| Small intestine              | 36        | 0.4       | 2.4                      | <b>1.6</b>   | 0.11                     | 0.20      | 17        | 0.2                      | 1.1       | <b>0.6</b>               | 0.03   | 0.07  | C17             |
| Colon                        | 470       | 5.4       | 30.9                     | <b>18.8</b>  | 0.80                     | 2.25      | 612       | 7.3                      | 38.9      | <b>18.5</b>              | 0.87   | 2.01  | C18             |
| Rectum                       | 279       | 3.2       | 18.3                     | <b>12.0</b>  | 0.70                     | 1.49      | 213       | 2.5                      | 13.5      | <b>7.3</b>               | 0.48   | 0.83  | C19-20          |
| Anus                         | 21        | 0.2       | 1.4                      | <b>1.0</b>   | 0.06                     | 0.12      | 27        | 0.3                      | 1.7       | <b>1.1</b>               | 0.08   | 0.12  | C21             |
| Liver                        | 104       | 1.2       | 6.8                      | <b>4.2</b>   | 0.23                     | 0.50      | 38        | 0.5                      | 2.4       | <b>1.2</b>               | 0.05   | 0.16  | C22             |
| Gallbladder etc.             | 39        | 0.4       | 2.6                      | <b>1.5</b>   | 0.08                     | 0.18      | 45        | 0.5                      | 2.9       | <b>1.2</b>               | 0.04   | 0.12  | C23-24          |
| Pancreas                     | 185       | 2.1       | 12.2                     | <b>7.6</b>   | 0.38                     | 0.95      | 209       | 2.5                      | 13.3      | <b>6.5</b>               | 0.26   | 0.76  | C25             |
| Nose, sinuses etc.           | 13        | 0.1       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.08      | 7         | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 123       | 1.4       | 8.1                      | <b>5.0</b>   | 0.33                     | 0.57      | 39        | 0.5                      | 2.5       | <b>1.5</b>               | 0.09   | 0.19  | C32             |
| Trachea, bronchus and lung   | 1295      | 14.9      | 85.1                     | <b>52.6</b>  | 2.33                     | 6.71      | 1157      | 13.7                     | 73.6      | <b>40.7</b>              | 2.08   | 5.27  | C33-34          |
| Other thoracic organs        | 14        | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                     | 0.09      | 7         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 20        | 0.2       | 1.3                      | <b>1.1</b>   | 0.06                     | 0.11      | 13        | 0.2                      | 0.8       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 525       | 6.0       | 34.5                     | <b>23.3</b>  | 1.44                     | 2.65      | 478       | 5.7                      | 30.4      | <b>21.3</b>              | 1.58   | 2.12  | C43             |
| Other skin                   | 20        | 0.2       | 1.3                      | <b>0.9</b>   | 0.04                     | 0.09      | 26        | 0.3                      | 1.7       | <b>0.9</b>               | 0.06   | 0.10  | C44             |
| Mesothelioma                 | 20        | 0.2       | 1.3                      | <b>0.8</b>   | 0.03                     | 0.09      | 12        | 0.1                      | 0.8       | <b>0.4</b>               | 0.02   | 0.06  | C45             |
| Kaposi sarcoma               | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.00      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.01  | C46             |
| Connective and soft tissue   | 78        | 0.9       | 5.1                      | <b>3.6</b>   | 0.20                     | 0.39      | 51        | 0.6                      | 3.2       | <b>2.0</b>               | 0.13   | 0.20  | C47+C49         |
| Breast                       | 25        | 0.3       | 1.6                      | <b>1.1</b>   | 0.07                     | 0.17      | 2383      | 28.3                     | 151.5     | <b>92.6</b>              | 6.61   | 10.69 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 49        | 0.6                      | 3.1       | <b>1.7</b>               | 0.11   | 0.17  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 17        | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.09  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 98        | 1.2                      | 6.2       | <b>4.6</b>               | 0.34   | 0.42  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 594       | 7.0                      | 37.8      | <b>23.7</b>              | 1.81   | 2.92  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 19        | 0.2                      | 1.2       | <b>0.6</b>               | 0.01   | 0.09  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 225       | 2.7                      | 14.3      | <b>8.7</b>               | 0.62   | 0.96  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 17        | 0.2                      | 1.1       | <b>0.6</b>               | 0.04   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 8         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.02      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 2515      | 28.9      | 165.3                    | <b>106.9</b> | 5.51                     | 14.60     |           |                          |           |                          |        |       | C61             |
| Testis                       | 95        | 1.1       | 6.2                      | <b>6.0</b>   | 0.46                     | 0.46      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 6         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.04      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 295       | 3.4       | 19.4                     | <b>12.5</b>  | 0.78                     | 1.48      | 193       | 2.3                      | 12.3      | <b>7.3</b>               | 0.44   | 0.84  | C64             |
| Renal pelvis                 | 20        | 0.2       | 1.3                      | <b>0.8</b>   | 0.03                     | 0.10      | 10        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.04  | C65             |
| Ureter                       | 17        | 0.2       | 1.1                      | <b>0.7</b>   | 0.02                     | 0.09      | 11        | 0.1                      | 0.7       | <b>0.4</b>               | 0.00   | 0.06  | C66             |
| Bladder                      | 662       | 7.6       | 43.5                     | <b>25.4</b>  | 1.04                     | 2.88      | 247       | 2.9                      | 15.7      | <b>7.2</b>               | 0.32   | 0.81  | C67             |
| Other urinary organs         | 3         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 16        | 0.2       | 1.1                      | <b>0.7</b>   | 0.05                     | 0.06      | 24        | 0.3                      | 1.5       | <b>1.1</b>               | 0.07   | 0.11  | C69             |
| Brain, nervous system        | 130       | 1.5       | 8.5                      | <b>6.4</b>   | 0.41                     | 0.72      | 116       | 1.4                      | 7.4       | <b>5.5</b>               | 0.35   | 0.58  | C70-72          |
| Thyroid                      | 87        | 1.0       | 5.7                      | <b>4.3</b>   | 0.30                     | 0.44      | 295       | 3.5                      | 18.8      | <b>14.7</b>              | 1.12   | 1.37  | C73             |
| Adrenal gland                | 1         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                     | 0.00      | 6         | 0.1                      | 0.4       | <b>0.3</b>               | 0.03   | 0.03  | C74             |
| Other endocrine              | 2         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C75             |
| Hodgkin lymphoma             | 54        | 0.6       | 3.6                      | <b>3.4</b>   | 0.21                     | 0.30      | 47        | 0.6                      | 3.0       | <b>2.8</b>               | 0.19   | 0.23  | C81             |
| Non-Hodgkin lymphoma         | 368       | 4.2       | 24.2                     | <b>15.6</b>  | 0.86                     | 1.88      | 342       | 4.1                      | 21.7      | <b>12.4</b>              | 0.69   | 1.43  | C82-85,C96      |
| Immunoproliferative diseases | 11        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.07      | 5         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C88             |
| Multiple myeloma             | 88        | 1.0       | 5.8                      | <b>3.5</b>   | 0.17                     | 0.46      | 77        | 0.9                      | 4.9       | <b>2.5</b>               | 0.14   | 0.27  | C90             |
| Lymphoid leukaemia           | 156       | 1.8       | 10.3                     | <b>8.1</b>   | 0.39                     | 0.81      | 94        | 1.1                      | 6.0       | <b>4.8</b>               | 0.25   | 0.40  | C91             |
| Myeloid leukaemia            | 110       | 1.3       | 7.2                      | <b>5.2</b>   | 0.22                     | 0.59      | 81        | 1.0                      | 5.1       | <b>3.0</b>               | 0.17   | 0.29  | C92-94          |
| Leukaemia unspecified        | 4         | 0.0       | 0.3                      | <b>0.1</b>   | 0.00                     | 0.00      | 3         | 0.0                      | 0.2       | <b>0.0</b>               | 0.00   | 0.00  | C95             |
| Myeloproliferative disorders | 38        | 0.4       | 2.5                      | <b>1.8</b>   | 0.11                     | 0.20      | 55        | 0.7                      | 3.5       | <b>1.9</b>               | 0.09   | 0.24  | MPD             |
| Myelodysplastic syndromes    | 69        | 0.8       | 4.5                      | <b>2.7</b>   | 0.11                     | 0.24      | 50        | 0.6                      | 3.2       | <b>1.5</b>               | 0.05   | 0.18  | MDS             |
| Other and unspecified        | 176       | 2.0       | 11.6                     | <b>6.9</b>   | 0.26                     | 0.75      | 217       | 2.6                      | 13.8      | <b>6.0</b>               | 0.24   | 0.64  | O&U             |
| All sites                    | 8736      |           | 574.3                    | <b>370.9</b> | 19.22                    | 45.50     | 8456      |                          | 537.6     | <b>317.6</b>             | 20.04  | 36.00 | C00-96          |
| All sites except C44         | 8716      | 100.0     | 573.0                    | <b>370.0</b> | 19.19                    | 45.41     | 8430      | 100.0                    | 535.9     | <b>316.6</b>             | 19.99  | 35.90 | C00-96 exc. C44 |

# USA, Virginia

## REGISTRATION AREA

The Virginia Cancer Registry (VCR) covers the state of Virginia, which has a mixed urban (about 75%) and rural (about 25%) population. The population is approximately 80% White, 19% Black, and 1% Asian.

## CANCER CARE FACILITIES

The urban areas are served by more than 60 hospitals and multiple large oncology practices. Insurance coverage is similar to that in other states of the USA; the Affordable Care Act will enable more citizens to afford cancer care.

## REGISTRY STRUCTURE AND METHODS

State law established the VCR, and the Virginia State Board of Health regulates its activities. The VCR meets all standards of the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR) and conforms to the data standards published by the North American Association of Central Cancer Registries (NAACCR). All hospital data (and increasingly laboratory data) are received electronically. The registry requires reporters to conform to NAACCR data transmission standards. The VCR performs active trace-back to accomplish annual death clearance activities. Annual quality assurance activities include auditing a 20% sample of reporting facilities, assessing internal record consistency, and providing on-site training for reporters.

## INTERPRETING THE RESULTS

The VCR operates with two other Virginia Department of Health programmes: the Comprehensive Cancer Control Program and the Breast and Cervical Cancer Early Detection Program (which screens women for breast and cervical cancer). The registry cooperates with this screening programme through an annual matching project.

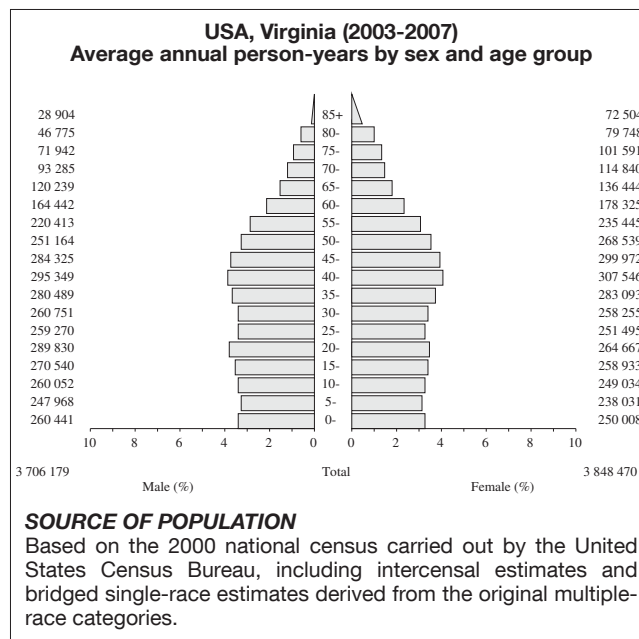
## USE OF THE DATA

The VCR produces the annual report *Burden of Cancer in Virginia*, which characterizes common cancers in the state. The registry also maintains a website that

provides incidence statistics in tabular and graphical form. Registry data are used primarily for public health activities, including developing policy and procedures, collaborating with local authorities to investigate suspected cancer clusters, and disseminating aggregate statistics. Cancer researchers regularly submit requests to use registry data, which are granted after institutional review board approval. The VCR transmits data to the NPCR for inclusion in the publication *United States Cancer Statistics*. The annual NAACCR publication *Cancer in North America* also incorporates VCR data. The VCR participates in research projects, including the CONCORD programme at the London School of Hygiene & Tropical Medicine and the CDC research project Cancer Survival in Appalachia.

## CONTRIBUTORS

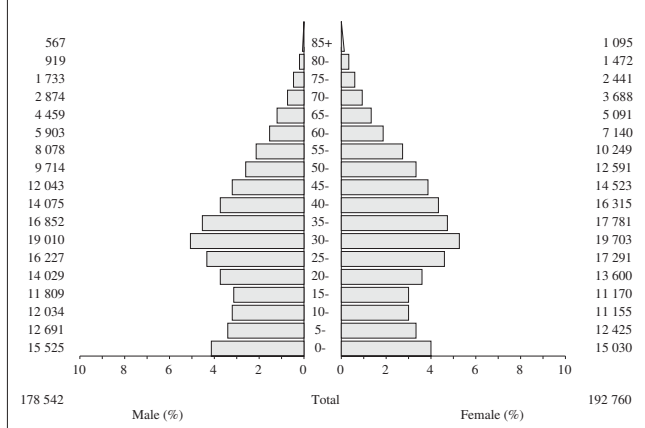
Jim Martin  
Jayne Holubowsky  
Laurel Gray



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 109.7 | Breast                     | 87.7  |
| Trachea, bronchus and lung | 55.6  | Trachea, bronchus and lung | 35.1  |
| Colon                      | 23.6  | Colon                      | 18.8  |
| Bladder                    | 19.7  | Corpus uteri               | 15.4  |
| Melanoma of skin           | 17.0  | Melanoma of skin           | 11.7  |
| Non-Hodgkin lymphoma       | 14.2  | Thyroid                    | 10.3  |
| Kidney                     | 12.6  | Non-Hodgkin lymphoma       | 9.6   |
| Rectum                     | 10.7  | Ovary                      | 8.6   |
| Pancreas                   | 8.0   | Rectum                     | 6.7   |
| Other and unspecified      | 7.2   | Kidney                     | 6.4   |
| All sites                  | 359.2 | All sites                  | 273.8 |

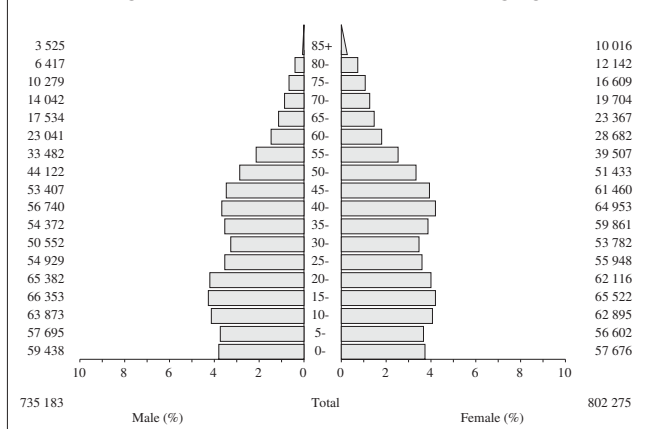
**USA, Virginia: Asian and Pacific Islander (2003-2007)**  
Average annual person-years by sex and age group



**USA, VIRGINIA: ASIAN AND PACIFIC ISLANDER**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 37.8  | Breast                     | 45.7  |
| Trachea, bronchus and lung | 22.3  | Trachea, bronchus and lung | 14.3  |
| Liver                      | 16.0  | Thyroid                    | 10.7  |
| Colon                      | 11.1  | Colon                      | 10.6  |
| Stomach                    | 9.7   | Corpus uteri               | 8.4   |
| Rectum                     | 7.5   | Ovary                      | 6.8   |
| Bladder                    | 7.2   | Stomach                    | 5.7   |
| Non-Hodgkin lymphoma       | 5.9   | Non-Hodgkin lymphoma       | 5.5   |
| Pancreas                   | 4.6   | Cervix uteri               | 5.2   |
| Kidney                     | 4.3   | Rectum                     | 4.8   |
| All sites                  | 158.0 | All sites                  | 153.5 |

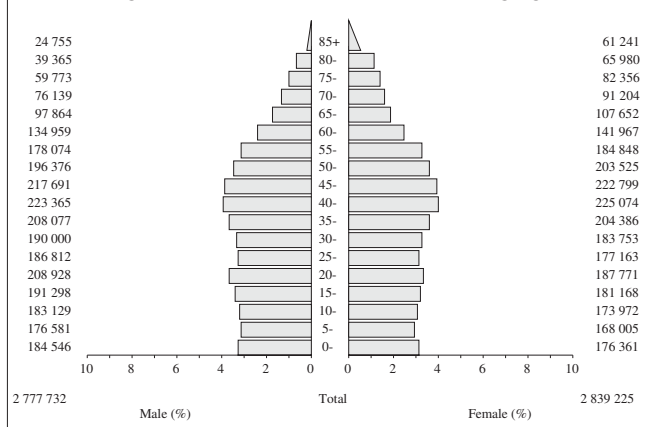
**USA, Virginia: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, VIRGINIA: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 169.2 | Breast                     | 88.8  |
| Trachea, bronchus and lung | 68.8  | Trachea, bronchus and lung | 33.4  |
| Colon                      | 31.6  | Colon                      | 25.1  |
| Kidney                     | 15.0  | Corpus uteri               | 12.9  |
| Rectum                     | 12.3  | Pancreas                   | 8.8   |
| Bladder                    | 12.2  | Kidney                     | 7.8   |
| Non-Hodgkin lymphoma       | 11.7  | Rectum                     | 7.7   |
| Pancreas                   | 10.6  | Non-Hodgkin lymphoma       | 7.7   |
| Stomach                    | 9.7   | Other and unspecified      | 7.4   |
| Other and unspecified      | 9.0   | Thyroid                    | 6.8   |
| All sites                  | 430.0 | All sites                  | 266.2 |

**USA, Virginia: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, VIRGINIA: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 98.1  | Breast                     | 87.6  |
| Trachea, bronchus and lung | 54.2  | Trachea, bronchus and lung | 36.2  |
| Colon                      | 22.2  | Colon                      | 17.6  |
| Bladder                    | 21.3  | Corpus uteri               | 15.9  |
| Melanoma of skin           | 20.2  | Melanoma of skin           | 14.6  |
| Non-Hodgkin lymphoma       | 14.7  | Thyroid                    | 10.6  |
| Kidney                     | 12.3  | Non-Hodgkin lymphoma       | 10.0  |
| Rectum                     | 10.4  | Ovary                      | 8.9   |
| Pancreas                   | 7.6   | Rectum                     | 6.4   |
| Other and unspecified      | 7.0   | Kidney                     | 6.2   |
| All sites                  | 347.1 | All sites                  | 275.5 |

## USA, Virginia (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 113       | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.05      | 25        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 770       | 0.9       | 4.2                      | <b>3.2</b>   | 0.23                     | 0.38      | 304       | 0.4                      | 1.6       | <b>1.0</b>               | 0.07   | 0.12  | C01-02          |
| Mouth                        | 488       | 0.5       | 2.6                      | <b>2.0</b>   | 0.12                     | 0.23      | 338       | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.13  | C03-06          |
| Salivary glands              | 243       | 0.3       | 1.3                      | <b>1.0</b>   | 0.05                     | 0.11      | 198       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 542       | 0.6       | 2.9                      | <b>2.2</b>   | 0.19                     | 0.26      | 139       | 0.2                      | 0.7       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 139       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                     | 0.07      | 54        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 127       | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 49        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 289       | 0.3       | 1.6                      | <b>1.2</b>   | 0.07                     | 0.16      | 69        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C12-13          |
| Pharynx unspecified          | 50        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 24        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1430      | 1.6       | 7.7                      | <b>5.7</b>   | 0.33                     | 0.72      | 427       | 0.5                      | 2.2       | <b>1.3</b>               | 0.06   | 0.16  | C15             |
| Stomach                      | 1388      | 1.6       | 7.5                      | <b>5.4</b>   | 0.25                     | 0.63      | 854       | 1.1                      | 4.4       | <b>2.5</b>               | 0.12   | 0.27  | C16             |
| Small intestine              | 378       | 0.4       | 2.0                      | <b>1.5</b>   | 0.09                     | 0.18      | 354       | 0.4                      | 1.8       | <b>1.2</b>               | 0.08   | 0.13  | C17             |
| Colon                        | 6086      | 6.8       | 32.8                     | <b>23.6</b>  | 1.16                     | 2.77      | 6447      | 7.9                      | 33.5      | <b>18.8</b>              | 0.91   | 2.20  | C18             |
| Rectum                       | 2666      | 3.0       | 14.4                     | <b>10.7</b>  | 0.64                     | 1.31      | 2056      | 2.5                      | 10.7      | <b>6.7</b>               | 0.40   | 0.79  | C19-20          |
| Anus                         | 204       | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.09      | 354       | 0.4                      | 1.8       | <b>1.2</b>               | 0.09   | 0.14  | C21             |
| Liver                        | 1433      | 1.6       | 7.7                      | <b>5.7</b>   | 0.36                     | 0.66      | 574       | 0.7                      | 3.0       | <b>1.8</b>               | 0.10   | 0.20  | C22             |
| Gallbladder etc.             | 346       | 0.4       | 1.9                      | <b>1.3</b>   | 0.06                     | 0.16      | 452       | 0.6                      | 2.3       | <b>1.3</b>               | 0.06   | 0.15  | C23-24          |
| Pancreas                     | 2080      | 2.3       | 11.2                     | <b>8.0</b>   | 0.40                     | 0.95      | 2153      | 2.7                      | 11.2      | <b>6.1</b>               | 0.28   | 0.72  | C25             |
| Nose, sinuses etc.           | 184       | 0.2       | 1.0                      | <b>0.8</b>   | 0.04                     | 0.08      | 84        | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.03  | C30-31          |
| Larynx                       | 1208      | 1.4       | 6.5                      | <b>4.9</b>   | 0.29                     | 0.63      | 312       | 0.4                      | 1.6       | <b>1.1</b>               | 0.06   | 0.14  | C32             |
| Trachea, bronchus and lung   | 14252     | 16.0      | 76.9                     | <b>55.6</b>  | 2.48                     | 7.00      | 11245     | 13.9                     | 58.4      | <b>35.1</b>              | 1.68   | 4.51  | C33-34          |
| Other thoracic organs        | 82        | 0.1       | 0.4                      | <b>0.4</b>   | 0.03                     | 0.04      | 78        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 179       | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                     | 0.07      | 161       | 0.2                      | 0.8       | <b>0.8</b>               | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 4213      | 4.7       | 22.7                     | <b>17.0</b>  | 1.03                     | 1.92      | 3114      | 3.8                      | 16.2      | <b>11.7</b>              | 0.85   | 1.21  | C43             |
| Other skin                   | 275       | 0.3       | 1.5                      | <b>1.1</b>   | 0.05                     | 0.11      | 214       | 0.3                      | 1.1       | <b>0.8</b>               | 0.05   | 0.07  | C44             |
| Mesothelioma                 | 355       | 0.4       | 1.9                      | <b>1.3</b>   | 0.05                     | 0.15      | 76        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 85        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 13        | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 611       | 0.7       | 3.3                      | <b>2.7</b>   | 0.15                     | 0.27      | 522       | 0.6                      | 2.7       | <b>2.0</b>               | 0.12   | 0.19  | C47+C49         |
| Breast                       | 284       | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.13      | 25089     | 30.9                     | 130.4     | <b>87.7</b>              | 6.32   | 10.10 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 451       | 0.6                      | 2.3       | <b>1.4</b>               | 0.09   | 0.15  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 139       | 0.2                      | 0.7       | <b>0.4</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 1348      | 1.7                      | 7.0       | <b>5.2</b>               | 0.40   | 0.52  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 4366      | 5.4                      | 22.7      | <b>15.4</b>              | 1.10   | 1.91  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 253       | 0.3                      | 1.3       | <b>0.9</b>               | 0.05   | 0.10  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 2527      | 3.1                      | 13.1      | <b>8.6</b>               | 0.55   | 0.99  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 93        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 13        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 129       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 26968     | 30.3      | 145.5                    | <b>109.7</b> | 5.83                     | 14.83     |           |                          |           |                          |        |       | C61             |
| Testis                       | 922       | 1.0       | 5.0                      | <b>4.5</b>   | 0.34                     | 0.35      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 27        | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 3101      | 3.5       | 16.7                     | <b>12.6</b>  | 0.77                     | 1.52      | 1840      | 2.3                      | 9.6       | <b>6.4</b>               | 0.40   | 0.76  | C64             |
| Renal pelvis                 | 158       | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.06      | 89        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 77        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 76        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 5197      | 5.8       | 28.0                     | <b>19.7</b>  | 0.84                     | 2.30      | 1783      | 2.2                      | 9.3       | <b>5.2</b>               | 0.25   | 0.62  | C67             |
| Other urinary organs         | 41        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 33        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C68             |
| Eye                          | 93        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                     | 0.04      | 107       | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C69             |
| Brain, nervous system        | 1294      | 1.5       | 7.0                      | <b>5.9</b>   | 0.37                     | 0.57      | 1038      | 1.3                      | 5.4       | <b>4.3</b>               | 0.27   | 0.41  | C70-72          |
| Thyroid                      | 831       | 0.9       | 4.5                      | <b>3.6</b>   | 0.27                     | 0.39      | 2476      | 3.1                      | 12.9      | <b>10.3</b>              | 0.82   | 0.98  | C73             |
| Adrenal gland                | 56        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.02      | 58        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 34        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 27        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 542       | 0.6       | 2.9                      | <b>2.6</b>   | 0.18                     | 0.22      | 476       | 0.6                      | 2.5       | <b>2.2</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 3506      | 3.9       | 18.9                     | <b>14.2</b>  | 0.80                     | 1.61      | 2935      | 3.6                      | 15.3      | <b>9.6</b>               | 0.54   | 1.13  | C82-85,C96      |
| Immunoproliferative diseases | 50        | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                     | 0.01      | 31        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 1079      | 1.2       | 5.8                      | <b>4.2</b>   | 0.20                     | 0.50      | 994       | 1.2                      | 5.2       | <b>3.0</b>               | 0.16   | 0.37  | C90             |
| Lymphoid leukaemia           | 1128      | 1.3       | 6.1                      | <b>5.1</b>   | 0.24                     | 0.48      | 728       | 0.9                      | 3.8       | <b>3.0</b>               | 0.15   | 0.25  | C91             |
| Myeloid leukaemia            | 936       | 1.1       | 5.1                      | <b>3.9</b>   | 0.19                     | 0.42      | 797       | 1.0                      | 4.1       | <b>2.8</b>               | 0.16   | 0.27  | C92-94          |
| Leukaemia unspecified        | 100       | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.03      | 119       | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 281       | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.13      | 222       | 0.3                      | 1.2       | <b>0.7</b>               | 0.04   | 0.07  | MPD             |
| Myelodysplastic syndromes    | 408       | 0.5       | 2.2                      | <b>1.5</b>   | 0.04                     | 0.14      | 315       | 0.4                      | 1.6       | <b>0.8</b>               | 0.02   | 0.09  | MDS             |
| Other and unspecified        | 1886      | 2.1       | 10.2                     | <b>7.2</b>   | 0.35                     | 0.82      | 2198      | 2.7                      | 11.4      | <b>6.2</b>               | 0.30   | 0.69  | O&U             |
| All sites                    | 89344     |           | 482.1                    | <b>359.2</b> | 19.02                    | 43.81     | 81311     |                          | 422.6     | <b>273.8</b>             | 17.10  | 31.38 | C00-96          |
| All sites except C44         | 89069     | 100.0     | 480.7                    | <b>358.1</b> | 18.97                    | 43.70     | 81097     | 100.0                    | 421.5     | <b>273.0</b>             | 17.05  | 31.30 | C00-96 exc. C44 |

## USA, Virginia: Asian and Pacific Islander (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 12        | 0.9       | 1.3                      | <b>1.3</b>   | 0.06                     | 0.13      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.00   | 0.02  | C01-02          |
| Mouth                        | 5         | 0.4       | 0.6                      | <b>0.6</b>   | 0.04                     | 0.07      | 7         | 0.4                      | 0.7       | <b>0.6</b>               | 0.03   | 0.03  | C03-06          |
| Salivary glands              | 6         | 0.5       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.10      | 4         | 0.2                      | 0.4       | <b>0.3</b>               | 0.02   | 0.02  | C07-08          |
| Tonsil                       | 4         | 0.3       | 0.4                      | <b>0.5</b>   | 0.02                     | 0.06      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.03  | C09             |
| Other oropharynx             | 3         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C10             |
| Nasopharynx                  | 18        | 1.4       | 2.0                      | <b>1.8</b>   | 0.13                     | 0.19      | 4         | 0.2                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C11             |
| Hypopharynx                  | 2         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.06      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C12-13          |
| Pharynx unspecified          | 1         | 0.1       | 0.1                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 20        | 1.5       | 2.2                      | <b>2.3</b>   | 0.14                     | 0.25      | 3         | 0.2                      | 0.3       | <b>0.2</b>               | 0.00   | 0.03  | C15             |
| Stomach                      | 81        | 6.1       | 9.1                      | <b>9.7</b>   | 0.42                     | 1.12      | 63        | 3.7                      | 6.5       | <b>5.7</b>               | 0.29   | 0.62  | C16             |
| Small intestine              | 3         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 6         | 0.3                      | 0.6       | <b>0.6</b>               | 0.05   | 0.07  | C17             |
| Colon                        | 92        | 6.9       | 10.3                     | <b>11.1</b>  | 0.56                     | 1.16      | 116       | 6.7                      | 12.0      | <b>10.6</b>              | 0.48   | 1.24  | C18             |
| Rectum                       | 64        | 4.8       | 7.2                      | <b>7.5</b>   | 0.39                     | 0.89      | 52        | 3.0                      | 5.4       | <b>4.8</b>               | 0.29   | 0.54  | C19-20          |
| Anus                         | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 4         | 0.2                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | C21             |
| Liver                        | 134       | 10.1      | 15.0                     | <b>16.0</b>  | 0.86                     | 1.89      | 37        | 2.2                      | 3.8       | <b>3.4</b>               | 0.08   | 0.36  | C22             |
| Gallbladder etc.             | 6         | 0.5       | 0.7                      | <b>0.7</b>   | 0.02                     | 0.07      | 24        | 1.4                      | 2.5       | <b>2.4</b>               | 0.11   | 0.30  | C23-24          |
| Pancreas                     | 38        | 2.9       | 4.3                      | <b>4.6</b>   | 0.13                     | 0.55      | 50        | 2.9                      | 5.2       | <b>4.7</b>               | 0.24   | 0.60  | C25             |
| Nose, sinuses etc.           | 2         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.06      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 11        | 0.8       | 1.2                      | <b>1.3</b>   | 0.05                     | 0.16      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C32             |
| Trachea, bronchus and lung   | 184       | 13.9      | 20.6                     | <b>22.3</b>  | 0.98                     | 2.73      | 155       | 9.0                      | 16.1      | <b>14.3</b>              | 0.62   | 1.74  | C33-34          |
| Other thoracic organs        | 3         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.04      | 3         | 0.2                      | 0.3       | <b>0.3</b>               | 0.02   | 0.05  | C37-38          |
| Bone                         | 5         | 0.4       | 0.6                      | <b>0.5</b>   | 0.04                     | 0.04      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C40-41          |
| Melanoma of skin             | 6         | 0.5       | 0.7                      | <b>0.7</b>   | 0.04                     | 0.08      | 9         | 0.5                      | 0.9       | <b>0.9</b>               | 0.05   | 0.09  | C43             |
| Other skin                   | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.02                     | 0.02      | 5         | 0.3                      | 0.5       | <b>0.4</b>               | 0.03   | 0.06  | C44             |
| Mesothelioma                 | 3         | 0.2       | 0.3                      | <b>0.3</b>   | 0.04                     | 0.04      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C46             |
| Connective and soft tissue   | 9         | 0.7       | 1.0                      | <b>1.2</b>   | 0.06                     | 0.15      | 17        | 1.0                      | 1.8       | <b>1.4</b>               | 0.11   | 0.14  | C47+C49         |
| Breast                       | 5         | 0.4       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.03      | 533       | 31.0                     | 55.3      | <b>45.7</b>              | 3.69   | 5.06  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 4         | 0.2                      | 0.4       | <b>0.4</b>               | 0.03   | 0.06  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 5         | 0.3                      | 0.5       | <b>0.5</b>               | 0.02   | 0.08  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 62        | 3.6                      | 6.4       | <b>5.2</b>               | 0.39   | 0.58  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 92        | 5.4                      | 9.5       | <b>8.4</b>               | 0.69   | 1.01  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 3         | 0.2                      | 0.3       | <b>0.3</b>               | 0.02   | 0.05  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 76        | 4.4                      | 7.9       | <b>6.8</b>               | 0.42   | 0.82  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 6         | 0.3                      | 0.6       | <b>0.6</b>               | 0.03   | 0.07  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.1                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 2         | 0.2       | 0.2                      | <b>0.3</b>   | 0.02                     | 0.02      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 305       | 23.0      | 34.2                     | <b>37.8</b>  | 1.94                     | 5.05      |           |                          |           |                          |        |       | C61             |
| Testis                       | 13        | 1.0       | 1.5                      | <b>1.1</b>   | 0.08                     | 0.08      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 36        | 2.7       | 4.0                      | <b>4.3</b>   | 0.23                     | 0.63      | 28        | 1.6                      | 2.9       | <b>2.5</b>               | 0.17   | 0.25  | C64             |
| Renal pelvis                 | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C66             |
| Bladder                      | 59        | 4.4       | 6.6                      | <b>7.2</b>   | 0.25                     | 0.82      | 20        | 1.2                      | 2.1       | <b>1.7</b>               | 0.10   | 0.19  | C67             |
| Other urinary organs         | 2         | 0.2       | 0.2                      | <b>0.3</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C69             |
| Brain, nervous system        | 16        | 1.2       | 1.8                      | <b>2.0</b>   | 0.11                     | 0.17      | 27        | 1.6                      | 2.8       | <b>2.8</b>               | 0.16   | 0.29  | C70-72          |
| Thyroid                      | 25        | 1.9       | 2.8                      | <b>2.5</b>   | 0.18                     | 0.25      | 132       | 7.7                      | 13.7      | <b>10.7</b>              | 0.87   | 1.02  | C73             |
| Adrenal gland                | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.03                     | 0.03      | 3         | 0.2                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 3         | 0.2       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 7         | 0.5       | 0.8                      | <b>0.8</b>   | 0.06                     | 0.09      | 6         | 0.3                      | 0.6       | <b>0.6</b>               | 0.04   | 0.06  | C81             |
| Non-Hodgkin lymphoma         | 52        | 3.9       | 5.8                      | <b>5.9</b>   | 0.32                     | 0.70      | 59        | 3.4                      | 6.1       | <b>5.5</b>               | 0.32   | 0.57  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.1       | 0.1                      | <b>0.1</b>   | 0.00                     | 0.02      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C88             |
| Multiple myeloma             | 16        | 1.2       | 1.8                      | <b>1.9</b>   | 0.06                     | 0.22      | 14        | 0.8                      | 1.5       | <b>1.3</b>               | 0.03   | 0.17  | C90             |
| Lymphoid leukaemia           | 9         | 0.7       | 1.0                      | <b>1.1</b>   | 0.06                     | 0.08      | 9         | 0.5                      | 0.9       | <b>1.2</b>               | 0.06   | 0.11  | C91             |
| Myeloid leukaemia            | 28        | 2.1       | 3.1                      | <b>3.1</b>   | 0.13                     | 0.32      | 18        | 1.0                      | 1.9       | <b>1.9</b>               | 0.12   | 0.18  | C92-94          |
| Leukaemia unspecified        | 3         | 0.2       | 0.3                      | <b>0.4</b>   | 0.01                     | 0.04      | 4         | 0.2                      | 0.4       | <b>0.3</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 2         | 0.2       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 4         | 0.2                      | 0.4       | <b>0.4</b>               | 0.02   | 0.05  | MPD             |
| Myelodysplastic syndromes    | 5         | 0.4       | 0.6                      | <b>0.6</b>   | 0.01                     | 0.05      | 3         | 0.2                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | MDS             |
| Other and unspecified        | 17        | 1.3       | 1.9                      | <b>2.0</b>   | 0.09                     | 0.21      | 48        | 2.8                      | 5.0       | <b>4.3</b>               | 0.16   | 0.50  | O&U             |
| All sites                    | 1328      |           | 148.8                    | <b>158.0</b> | 7.77                     | 18.80     | 1724      |                          | 178.9     | <b>153.5</b>             | 9.88   | 17.24 | C00-96          |
| All sites except C44         | 1326      | 100.0     | 148.5                    | <b>157.8</b> | 7.75                     | 18.79     | 1719      | 100.0                    | 178.4     | <b>153.1</b>             | 9.84   | 17.18 | C00-96 exc. C44 |



## USA, Virginia: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                     | Female              |           |           |                          |              | ICD-10 |                     |                     |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|-----------|-----------|--------------------------|--------------|--------|---------------------|---------------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    |        | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |
| Lip                          | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00   | 0.00                | C00                 |
| Tongue                       | 122       | 0.8       | 3.3                      | <b>3.3</b>   | 0.24                | 0.43                | 36        | 0.3       | 0.9                      | <b>0.8</b>   | 0.06   | 0.10                | C01-02              |
| Mouth                        | 100       | 0.6       | 2.7                      | <b>2.6</b>   | 0.20                | 0.30                | 42        | 0.3       | 1.0                      | <b>0.9</b>   | 0.06   | 0.10                | C03-06              |
| Salivary glands              | 31        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                | 0.10                | 35        | 0.3       | 0.9                      | <b>0.7</b>   | 0.05   | 0.07                | C07-08              |
| Tonsil                       | 75        | 0.5       | 2.0                      | <b>1.9</b>   | 0.16                | 0.22                | 20        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03   | 0.05                | C09                 |
| Other oropharynx             | 43        | 0.3       | 1.2                      | <b>1.1</b>   | 0.08                | 0.13                | 14        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02   | 0.03                | C10                 |
| Nasopharynx                  | 32        | 0.2       | 0.9                      | <b>0.8</b>   | 0.05                | 0.10                | 9         | 0.1       | 0.2                      | <b>0.2</b>   | 0.02   | 0.02                | C11                 |
| Hypopharynx                  | 90        | 0.6       | 2.4                      | <b>2.5</b>   | 0.17                | 0.34                | 12        | 0.1       | 0.3                      | <b>0.3</b>   | 0.01   | 0.04                | C12-13              |
| Pharynx unspecified          | 8         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 7         | 0.1       | 0.2                      | <b>0.1</b>   | 0.00   | 0.01                | C14                 |
| Oesophagus                   | 257       | 1.6       | 7.0                      | <b>6.9</b>   | 0.42                | 0.86                | 107       | 0.8       | 2.7                      | <b>2.0</b>   | 0.10   | 0.26                | C15                 |
| Stomach                      | 374       | 2.3       | 10.2                     | <b>9.7</b>   | 0.43                | 1.12                | 221       | 1.6       | 5.5                      | <b>3.8</b>   | 0.17   | 0.41                | C16                 |
| Small intestine              | 94        | 0.6       | 2.6                      | <b>2.4</b>   | 0.15                | 0.28                | 99        | 0.7       | 2.5                      | <b>1.9</b>   | 0.13   | 0.22                | C17                 |
| Colon                        | 1209      | 7.5       | 32.9                     | <b>31.6</b>  | 1.68                | 3.81                | 1370      | 10.0      | 34.2                     | <b>25.1</b>  | 1.29   | 3.04                | C18                 |
| Rectum                       | 464       | 2.9       | 12.6                     | <b>12.3</b>  | 0.73                | 1.54                | 405       | 2.9       | 10.1                     | <b>7.7</b>   | 0.47   | 0.94                | C19-20              |
| Anus                         | 41        | 0.3       | 1.1                      | <b>1.1</b>   | 0.07                | 0.13                | 46        | 0.3       | 1.1                      | <b>0.8</b>   | 0.06   | 0.09                | C21                 |
| Liver                        | 298       | 1.9       | 8.1                      | <b>7.8</b>   | 0.61                | 0.92                | 118       | 0.9       | 2.9                      | <b>2.2</b>   | 0.13   | 0.26                | C22                 |
| Gallbladder etc.             | 44        | 0.3       | 1.2                      | <b>1.1</b>   | 0.06                | 0.14                | 90        | 0.7       | 2.2                      | <b>1.5</b>   | 0.07   | 0.17                | C23-24              |
| Pancreas                     | 406       | 2.5       | 11.0                     | <b>10.6</b>  | 0.56                | 1.26                | 502       | 3.7       | 12.5                     | <b>8.8</b>   | 0.39   | 1.05                | C25                 |
| Nose, sinuses etc.           | 33        | 0.2       | 0.9                      | <b>0.9</b>   | 0.05                | 0.11                | 14        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01   | 0.02                | C30-31              |
| Larynx                       | 279       | 1.7       | 7.6                      | <b>7.5</b>   | 0.45                | 0.92                | 71        | 0.5       | 1.8                      | <b>1.4</b>   | 0.09   | 0.18                | C32                 |
| Trachea, bronchus and lung   | 2590      | 16.2      | 70.5                     | <b>68.8</b>  | 3.40                | 8.67                | 1755      | 12.8      | 43.8                     | <b>33.4</b>  | 1.82   | 4.25                | C33-34              |
| Other thoracic organs        | 20        | 0.1       | 0.5                      | <b>0.5</b>   | 0.04                | 0.06                | 19        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03   | 0.04                | C37-38              |
| Bone                         | 25        | 0.2       | 0.7                      | <b>0.6</b>   | 0.04                | 0.05                | 26        | 0.2       | 0.6                      | <b>0.6</b>   | 0.04   | 0.05                | C40-41              |
| Melanoma of skin             | 30        | 0.2       | 0.8                      | <b>0.8</b>   | 0.05                | 0.12                | 39        | 0.3       | 1.0                      | <b>0.7</b>   | 0.03   | 0.09                | C43                 |
| Other skin                   | 35        | 0.2       | 1.0                      | <b>0.9</b>   | 0.05                | 0.08                | 41        | 0.3       | 1.0                      | <b>0.9</b>   | 0.07   | 0.08                | C44                 |
| Mesothelioma                 | 57        | 0.4       | 1.6                      | <b>1.5</b>   | 0.07                | 0.16                | 4         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C45                 |
| Kaposi sarcoma               | 28        | 0.2       | 0.8                      | <b>0.7</b>   | 0.05                | 0.06                | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C46                 |
| Connective and soft tissue   | 92        | 0.6       | 2.5                      | <b>2.5</b>   | 0.15                | 0.25                | 121       | 0.9       | 3.0                      | <b>2.5</b>   | 0.17   | 0.22                | C47+C49             |
| Breast                       | 56        | 0.3       | 1.5                      | <b>1.5</b>   | 0.09                | 0.18                | 4504      | 32.8      | 112.3                    | <b>88.8</b>  | 6.50   | 10.08               | C50                 |
| Vulva                        |           |           |                          |              |                     |                     | 56        | 0.4       | 1.4                      | <b>1.0</b>   | 0.07   | 0.10                | C51                 |
| Vagina                       |           |           |                          |              |                     |                     | 40        | 0.3       | 1.0                      | <b>0.7</b>   | 0.04   | 0.07                | C52                 |
| Cervix uteri                 |           |           |                          |              |                     |                     | 276       | 2.0       | 6.9                      | <b>5.5</b>   | 0.40   | 0.57                | C53                 |
| Corpus uteri                 |           |           |                          |              |                     |                     | 632       | 4.6       | 15.8                     | <b>12.9</b>  | 0.80   | 1.66                | C54                 |
| Uterus unspecified           |           |           |                          |              |                     |                     | 63        | 0.5       | 1.6                      | <b>1.2</b>   | 0.06   | 0.14                | C55                 |
| Ovary                        |           |           |                          |              |                     |                     | 328       | 2.4       | 8.2                      | <b>6.4</b>   | 0.41   | 0.73                | C56                 |
| Other female genital organs  |           |           |                          |              |                     |                     | 7         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C57                 |
| Placenta                     |           |           |                          |              |                     |                     | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C58                 |
| Penis                        | 28        | 0.2       | 0.8                      | <b>0.6</b>   | 0.03                | 0.06                |           |           |                          |              |        |                     | C60                 |
| Prostate                     | 6139      | 38.3      | 167.0                    | <b>169.2</b> | 9.71                | 22.61               |           |           |                          |              |        |                     | C61                 |
| Testis                       | 48        | 0.3       | 1.3                      | <b>1.2</b>   | 0.09                | 0.10                |           |           |                          |              |        |                     | C62                 |
| Other male genital organs    | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                |           |           |                          |              |        |                     | C63                 |
| Kidney                       | 571       | 3.6       | 15.5                     | <b>15.0</b>  | 1.00                | 1.80                | 384       | 2.8       | 9.6                      | <b>7.8</b>   | 0.53   | 0.91                | C64                 |
| Renal pelvis                 | 18        | 0.1       | 0.5                      | <b>0.5</b>   | 0.02                | 0.07                | 5         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C65                 |
| Ureter                       | 2         | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.01                | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00   | 0.00                | C66                 |
| Bladder                      | 473       | 3.0       | 12.9                     | <b>12.2</b>  | 0.58                | 1.34                | 252       | 1.8       | 6.3                      | <b>4.2</b>   | 0.17   | 0.45                | C67                 |
| Other urinary organs         | 8         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.03                | 6         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C68                 |
| Eye                          | 5         | 0.0       | 0.1                      | <b>0.2</b>   | 0.01                | 0.01                | 2         | 0.0       | 0.0                      | <b>0.1</b>   | 0.00   | 0.00                | C69                 |
| Brain, nervous system        | 134       | 0.8       | 3.6                      | <b>3.6</b>   | 0.24                | 0.34                | 121       | 0.9       | 3.0                      | <b>2.9</b>   | 0.18   | 0.28                | C70-72              |
| Thyroid                      | 75        | 0.5       | 2.0                      | <b>1.9</b>   | 0.13                | 0.21                | 326       | 2.4       | 8.1                      | <b>6.8</b>   | 0.54   | 0.68                | C73                 |
| Adrenal gland                | 6         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                | 0.01                | 10        | 0.1       | 0.2                      | <b>0.2</b>   | 0.02   | 0.02                | C74                 |
| Other endocrine              | 8         | 0.0       | 0.2                      | <b>0.2</b>   | 0.02                | 0.02                | 7         | 0.1       | 0.2                      | <b>0.1</b>   | 0.01   | 0.01                | C75                 |
| Hodgkin lymphoma             | 102       | 0.6       | 2.8                      | <b>2.6</b>   | 0.19                | 0.24                | 103       | 0.7       | 2.6                      | <b>2.4</b>   | 0.17   | 0.18                | C81                 |
| Non-Hodgkin lymphoma         | 459       | 2.9       | 12.5                     | <b>11.7</b>  | 0.77                | 1.30                | 384       | 2.8       | 9.6                      | <b>7.7</b>   | 0.47   | 0.90                | C82-85,C96          |
| Immunoproliferative diseases | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | 3         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01   | 0.01                | C88                 |
| Multiple myeloma             | 305       | 1.9       | 8.3                      | <b>7.9</b>   | 0.38                | 0.90                | 327       | 2.4       | 8.2                      | <b>6.0</b>   | 0.31   | 0.74                | C90                 |
| Lymphoid leukaemia           | 157       | 1.0       | 4.3                      | <b>4.4</b>   | 0.20                | 0.46                | 97        | 0.7       | 2.4                      | <b>2.1</b>   | 0.11   | 0.21                | C91                 |
| Myeloid leukaemia            | 140       | 0.9       | 3.8                      | <b>3.7</b>   | 0.20                | 0.39                | 121       | 0.9       | 3.0                      | <b>2.4</b>   | 0.15   | 0.23                | C92-94              |
| Leukaemia unspecified        | 16        | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                | 0.04                | 18        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01   | 0.02                | C95                 |
| Myeloproliferative disorders | 31        | 0.2       | 0.8                      | <b>0.8</b>   | 0.03                | 0.08                | 27        | 0.2       | 0.7                      | <b>0.5</b>   | 0.02   | 0.05                | MPD                 |
| Myelodysplastic syndromes    | 48        | 0.3       | 1.3                      | <b>1.2</b>   | 0.04                | 0.11                | 30        | 0.2       | 0.7                      | <b>0.5</b>   | 0.01   | 0.06                | MDS                 |
| Other and unspecified        | 344       | 2.1       | 9.4                      | <b>9.0</b>   | 0.47                | 1.10                | 418       | 3.0       | 10.4                     | <b>7.4</b>   | 0.39   | 0.84                | O&U                 |
| All sites                    | 16063     |           | 437.0                    | <b>430.0</b> | 24.30               | 53.63               | 13782     |           | 343.6                    | <b>266.2</b> | 16.73  | 30.76               | C00-96              |
| All sites except C44         | 16028     | 100.0     | 436.0                    | <b>429.1</b> | 24.25               | 53.55               | 13741     | 100.0     | 342.6                    | <b>265.4</b> | 16.66  | 30.68               | C00-96 exc. C44     |

## USA, Virginia: White (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 108       | 0.2       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.06      | 25        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C00             |
| Tongue                       | 625       | 0.9       | 4.5                      | <b>3.2</b>   | 0.23                     | 0.39      | 259       | 0.4                      | 1.8       | <b>1.1</b>               | 0.08   | 0.13  | C01-02          |
| Mouth                        | 374       | 0.5       | 2.7                      | <b>1.9</b>   | 0.11                     | 0.22      | 279       | 0.4                      | 2.0       | <b>1.1</b>               | 0.05   | 0.14  | C03-06          |
| Salivary glands              | 198       | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                     | 0.11      | 156       | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.07  | C07-08          |
| Tonsil                       | 461       | 0.7       | 3.3                      | <b>2.4</b>   | 0.20                     | 0.28      | 116       | 0.2                      | 0.8       | <b>0.5</b>               | 0.04   | 0.06  | C09             |
| Other oropharynx             | 93        | 0.1       | 0.7                      | <b>0.5</b>   | 0.04                     | 0.06      | 40        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 75        | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.04      | 35        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 190       | 0.3       | 1.4                      | <b>1.0</b>   | 0.05                     | 0.12      | 56        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.04  | C12-13          |
| Pharynx unspecified          | 41        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 17        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1143      | 1.6       | 8.2                      | <b>5.6</b>   | 0.32                     | 0.71      | 306       | 0.5                      | 2.2       | <b>1.1</b>               | 0.05   | 0.14  | C15             |
| Stomach                      | 903       | 1.3       | 6.5                      | <b>4.3</b>   | 0.20                     | 0.50      | 553       | 0.9                      | 3.9       | <b>2.0</b>               | 0.09   | 0.21  | C16             |
| Small intestine              | 272       | 0.4       | 2.0                      | <b>1.4</b>   | 0.08                     | 0.16      | 243       | 0.4                      | 1.7       | <b>1.0</b>               | 0.07   | 0.12  | C17             |
| Colon                        | 4684      | 6.7       | 33.7                     | <b>22.2</b>  | 1.06                     | 2.59      | 4888      | 7.6                      | 34.4      | <b>17.6</b>              | 0.82   | 2.03  | C18             |
| Rectum                       | 2100      | 3.0       | 15.1                     | <b>10.4</b>  | 0.63                     | 1.27      | 1561      | 2.4                      | 11.0      | <b>6.4</b>               | 0.38   | 0.76  | C19-20          |
| Anus                         | 159       | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.08      | 294       | 0.5                      | 2.1       | <b>1.3</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 971       | 1.4       | 7.0                      | <b>4.7</b>   | 0.27                     | 0.53      | 406       | 0.6                      | 2.9       | <b>1.7</b>               | 0.09   | 0.18  | C22             |
| Gallbladder etc.             | 289       | 0.4       | 2.1                      | <b>1.4</b>   | 0.07                     | 0.17      | 327       | 0.5                      | 2.3       | <b>1.2</b>               | 0.06   | 0.14  | C23-24          |
| Pancreas                     | 1605      | 2.3       | 11.6                     | <b>7.6</b>   | 0.37                     | 0.90      | 1570      | 2.5                      | 11.1      | <b>5.5</b>               | 0.25   | 0.64  | C25             |
| Nose, sinuses etc.           | 148       | 0.2       | 1.1                      | <b>0.8</b>   | 0.05                     | 0.08      | 67        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.03  | C30-31          |
| Larynx                       | 905       | 1.3       | 6.5                      | <b>4.5</b>   | 0.27                     | 0.59      | 240       | 0.4                      | 1.7       | <b>1.1</b>               | 0.06   | 0.14  | C32             |
| Trachea, bronchus and lung   | 11384     | 16.3      | 82.0                     | <b>54.2</b>  | 2.35                     | 6.84      | 9246      | 14.4                     | 65.1      | <b>36.2</b>              | 1.69   | 4.66  | C33-34          |
| Other thoracic organs        | 58        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03      | 55        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 143       | 0.2       | 1.0                      | <b>1.0</b>   | 0.06                     | 0.08      | 128       | 0.2                      | 0.9       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 4001      | 5.7       | 28.8                     | <b>20.2</b>  | 1.23                     | 2.27      | 2927      | 4.6                      | 20.6      | <b>14.6</b>              | 1.05   | 1.49  | C43             |
| Other skin                   | 231       | 0.3       | 1.7                      | <b>1.1</b>   | 0.05                     | 0.11      | 163       | 0.2                      | 1.1       | <b>0.7</b>               | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 294       | 0.4       | 2.1                      | <b>1.3</b>   | 0.05                     | 0.15      | 71        | 0.1                      | 0.5       | <b>0.3</b>               | 0.01   | 0.03  | C45             |
| Kaposi sarcoma               | 53        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03      | 8         | 0.0                      | 0.1       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 498       | 0.7       | 3.6                      | <b>2.7</b>   | 0.15                     | 0.27      | 373       | 0.6                      | 2.6       | <b>1.8</b>               | 0.11   | 0.17  | C47+C49         |
| Breast                       | 213       | 0.3       | 1.5                      | <b>1.1</b>   | 0.06                     | 0.12      | 19594     | 30.6                     | 138.0     | <b>87.6</b>              | 6.26   | 10.15 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 380       | 0.6                      | 2.7       | <b>1.5</b>               | 0.09   | 0.16  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 91        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 968       | 1.5                      | 6.8       | <b>5.1</b>               | 0.40   | 0.49  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 3531      | 5.5                      | 24.9      | <b>15.9</b>              | 1.16   | 1.96  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 174       | 0.3                      | 1.2       | <b>0.8</b>               | 0.05   | 0.09  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 2076      | 3.2                      | 14.6      | <b>8.9</b>               | 0.58   | 1.04  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 76        | 0.1                      | 0.5       | <b>0.3</b>               | 0.02   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 8         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 97        | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                     | 0.05      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 19692     | 28.2      | 141.8                    | <b>98.1</b>  | 5.09                     | 13.36     |           |                          |           |                          |        |       | C61             |
| Testis                       | 835       | 1.2       | 6.0                      | <b>5.5</b>   | 0.41                     | 0.42      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 22        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2446      | 3.5       | 17.6                     | <b>12.3</b>  | 0.73                     | 1.49      | 1405      | 2.2                      | 9.9       | <b>6.2</b>               | 0.37   | 0.74  | C64             |
| Renal pelvis                 | 137       | 0.2       | 1.0                      | <b>0.6</b>   | 0.03                     | 0.06      | 82        | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 73        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.04      | 70        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.02  | C66             |
| Bladder                      | 4598      | 6.6       | 33.1                     | <b>21.3</b>  | 0.90                     | 2.50      | 1495      | 2.3                      | 10.5      | <b>5.5</b>               | 0.27   | 0.68  | C67             |
| Other urinary organs         | 31        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 27        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 83        | 0.1       | 0.6                      | <b>0.5</b>   | 0.03                     | 0.05      | 101       | 0.2                      | 0.7       | <b>0.5</b>               | 0.03   | 0.05  | C69             |
| Brain, nervous system        | 1124      | 1.6       | 8.1                      | <b>6.5</b>   | 0.40                     | 0.63      | 860       | 1.3                      | 6.1       | <b>4.6</b>               | 0.29   | 0.43  | C70-72          |
| Thyroid                      | 708       | 1.0       | 5.1                      | <b>3.9</b>   | 0.30                     | 0.42      | 1907      | 3.0                      | 13.4      | <b>10.6</b>              | 0.85   | 1.01  | C73             |
| Adrenal gland                | 47        | 0.1       | 0.3                      | <b>0.4</b>   | 0.02                     | 0.03      | 43        | 0.1                      | 0.3       | <b>0.4</b>               | 0.02   | 0.02  | C74             |
| Other endocrine              | 23        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 19        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 409       | 0.6       | 2.9                      | <b>2.7</b>   | 0.18                     | 0.22      | 353       | 0.6                      | 2.5       | <b>2.3</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 2916      | 4.2       | 21.0                     | <b>14.7</b>  | 0.80                     | 1.66      | 2443      | 3.8                      | 17.2      | <b>10.0</b>              | 0.55   | 1.19  | C82-85,C96      |
| Immunoproliferative diseases | 44        | 0.1       | 0.3                      | <b>0.2</b>   | 0.00                     | 0.01      | 27        | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 718       | 1.0       | 5.2                      | <b>3.4</b>   | 0.16                     | 0.42      | 617       | 1.0                      | 4.3       | <b>2.3</b>               | 0.12   | 0.28  | C90             |
| Lymphoid leukaemia           | 909       | 1.3       | 6.5                      | <b>5.2</b>   | 0.25                     | 0.48      | 580       | 0.9                      | 4.1       | <b>3.1</b>               | 0.16   | 0.25  | C91             |
| Myeloid leukaemia            | 737       | 1.1       | 5.3                      | <b>3.8</b>   | 0.19                     | 0.41      | 629       | 1.0                      | 4.4       | <b>2.7</b>               | 0.16   | 0.27  | C92-94          |
| Leukaemia unspecified        | 79        | 0.1       | 0.6                      | <b>0.4</b>   | 0.01                     | 0.03      | 96        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 243       | 0.3       | 1.7                      | <b>1.2</b>   | 0.07                     | 0.14      | 189       | 0.3                      | 1.3       | <b>0.7</b>               | 0.04   | 0.08  | MPD             |
| Myelodysplastic syndromes    | 348       | 0.5       | 2.5                      | <b>1.5</b>   | 0.04                     | 0.15      | 278       | 0.4                      | 2.0       | <b>0.9</b>               | 0.03   | 0.10  | MDS             |
| Other and unspecified        | 1497      | 2.1       | 10.8                     | <b>7.0</b>   | 0.34                     | 0.78      | 1706      | 2.7                      | 12.0      | <b>6.0</b>               | 0.28   | 0.66  | O&U             |
| All sites                    | 70035     |           | 504.3                    | <b>347.1</b> | 18.11                    | 42.16     | 64234     |                          | 452.5     | <b>275.5</b>             | 17.16  | 31.59 | C00-96          |
| All sites except C44         | 69804     | 100.0     | 502.6                    | <b>346.0</b> | 18.06                    | 42.05     | 64071     | 100.0                    | 451.3     | <b>274.8</b>             | 17.12  | 31.51 | C00-96 exc. C44 |

# USA, Washington State

## REGISTRATION AREA

The Washington State Cancer Registry (WSCR) covers the population of the state of Washington, which is located in the Pacific Northwest region of the USA, sharing its northern border with Canada.

## REGISTRY STRUCTURE AND METHODS

The WSCR is housed at the Washington State Department of Health and is responsible for the collection of all reportable conditions (cancers, non-malignant brain and central nervous system tumours, and reportable haematopoietic conditions) within the state. The registry is funded by the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR), and state general funds. State law requires hospitals and health care professionals to submit case information to the registry within 6 months of diagnosis or first treatment visit. The WSCR also reviews pathology reports to ensure complete case capture. Death certificates are reviewed annually to update case records and vital status and to identify potentially missed cases. The WSCR follows the coding guidelines set by the North American Association of Central Cancer Registries (NAACCR). ICD-O-3 is used as the standard reference for coding topography and morphology.

## INTERPRETING THE RESULTS

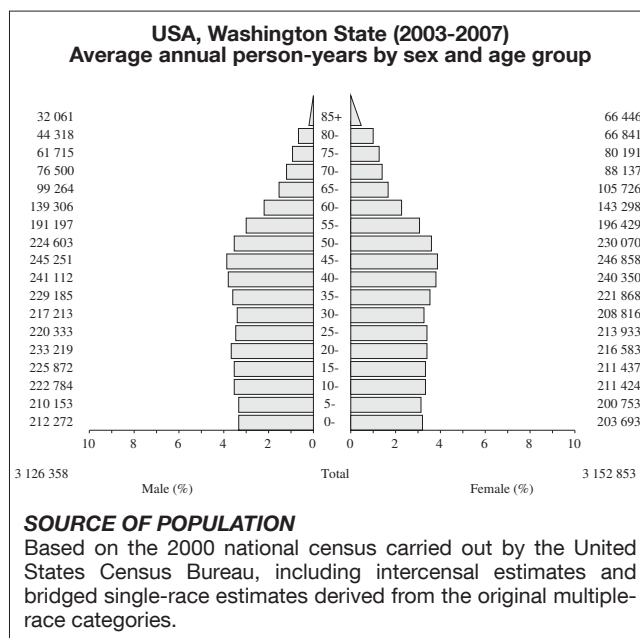
The WSCR has consistently met or exceeded the following data quality criteria for all cancer sites combined included in this data submission: case ascertainment is at least 95% complete; fewer than 5% of cases are ascertained solely on the basis of a death certificate; no more than 3% of cases are missing information on sex or age; no more than 5% of cases are missing information on race; and at least 97% of the registry's records passed a set of computerized edit checks.

## USE OF THE DATA

The WSCR electronically transmits data to CDC annually, using a standardized NAACCR record layout and coding system. The data are also used to support the work of public health professionals, health care delivery professionals, and researchers, and to support investigations of possible cancer clustering issues. An annual report on cancer in the state is published for informational purposes and is available from <https://fortress.wa.gov/doh/wscr/WSCR/>.

## CONTRIBUTORS

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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 108.8 | Breast                     | 91.8  |
| Trachea, bronchus and lung | 45.4  | Trachea, bronchus and lung | 37.1  |
| Bladder                    | 22.6  | Corpus uteri               | 17.6  |
| Colon                      | 20.4  | Melanoma of skin           | 16.9  |
| Melanoma of skin           | 19.2  | Colon                      | 16.4  |
| Non-Hodgkin lymphoma       | 17.5  | Thyroid                    | 12.7  |
| Kidney                     | 12.8  | Non-Hodgkin lymphoma       | 12.2  |
| Rectum                     | 10.5  | Ovary                      | 9.6   |
| Pancreas                   | 8.0   | Kidney                     | 6.9   |
| Lymphoid leukaemia         | 7.3   | Rectum                     | 6.4   |
| All sites                  | 362.2 | All sites                  | 298.4 |

## USA, Washington State (2003-2007)

| SITE                         | Male      |           |                          |              |                     |                     | Female     |           |                          |              |                     |                     | ICD-10          |
|------------------------------|-----------|-----------|--------------------------|--------------|---------------------|---------------------|------------|-----------|--------------------------|--------------|---------------------|---------------------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) | §No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 (%) | Cum. rates 0-74 (%) |                 |
| Lip                          | 206       | 0.3       | 1.3                      | <b>0.9</b>   | 0.04                | 0.10                | 66         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C00             |
| Tongue                       | 750       | 1.0       | 4.8                      | <b>3.6</b>   | 0.27                | 0.45                | 317        | 0.4       | 2.0                      | <b>1.3</b>   | 0.09                | 0.16                | C01-02          |
| Mouth                        | 402       | 0.5       | 2.6                      | <b>1.9</b>   | 0.12                | 0.23                | 319        | 0.4       | 2.0                      | <b>1.2</b>   | 0.06                | 0.13                | C03-06          |
| Salivary glands              | 205       | 0.3       | 1.3                      | <b>0.9</b>   | 0.05                | 0.09                | 146        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                | 0.06                | C07-08          |
| Tonsil                       | 441       | 0.6       | 2.8                      | <b>2.1</b>   | 0.18                | 0.25                | 95         | 0.1       | 0.6                      | <b>0.4</b>   | 0.03                | 0.06                | C09             |
| Other oropharynx             | 78        | 0.1       | 0.5                      | <b>0.4</b>   | 0.02                | 0.05                | 31         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | C10             |
| Nasopharynx                  | 125       | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                | 0.08                | 40         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | C11             |
| Hypopharynx                  | 149       | 0.2       | 1.0                      | <b>0.7</b>   | 0.04                | 0.09                | 39         | 0.1       | 0.2                      | <b>0.2</b>   | 0.01                | 0.02                | C12-13          |
| Pharynx unspecified          | 40        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.02                | 36         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.02                | C14             |
| Oesophagus                   | 1182      | 1.5       | 7.6                      | <b>5.3</b>   | 0.26                | 0.66                | 373        | 0.5       | 2.4                      | <b>1.4</b>   | 0.06                | 0.18                | C15             |
| Stomach                      | 1234      | 1.6       | 7.9                      | <b>5.4</b>   | 0.25                | 0.64                | 715        | 1.0       | 4.5                      | <b>2.5</b>   | 0.13                | 0.28                | C16             |
| Small intestine              | 330       | 0.4       | 2.1                      | <b>1.5</b>   | 0.08                | 0.18                | 286        | 0.4       | 1.8                      | <b>1.1</b>   | 0.07                | 0.14                | C17             |
| Colon                        | 4683      | 6.0       | 30.0                     | <b>20.4</b>  | 0.93                | 2.38                | 4838       | 6.7       | 30.7                     | <b>16.4</b>  | 0.71                | 1.85                | C18             |
| Rectum                       | 2296      | 2.9       | 14.7                     | <b>10.5</b>  | 0.62                | 1.25                | 1645       | 2.3       | 10.4                     | <b>6.4</b>   | 0.40                | 0.72                | C19-20          |
| Anus                         | 192       | 0.2       | 1.2                      | <b>0.9</b>   | 0.07                | 0.10                | 371        | 0.5       | 2.4                      | <b>1.5</b>   | 0.11                | 0.17                | C21             |
| Liver                        | 1449      | 1.9       | 9.3                      | <b>6.8</b>   | 0.46                | 0.79                | 599        | 0.8       | 3.8                      | <b>2.3</b>   | 0.13                | 0.27                | C22             |
| Gallbladder etc.             | 363       | 0.5       | 2.3                      | <b>1.6</b>   | 0.06                | 0.18                | 457        | 0.6       | 2.9                      | <b>1.6</b>   | 0.06                | 0.21                | C23-24          |
| Pancreas                     | 1812      | 2.3       | 11.6                     | <b>8.0</b>   | 0.37                | 0.98                | 1834       | 2.5       | 11.6                     | <b>6.4</b>   | 0.29                | 0.75                | C25             |
| Nose, sinuses etc.           | 121       | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.08                | 88         | 0.1       | 0.6                      | <b>0.3</b>   | 0.02                | 0.04                | C30-31          |
| Larynx                       | 714       | 0.9       | 4.6                      | <b>3.3</b>   | 0.17                | 0.42                | 214        | 0.3       | 1.4                      | <b>0.9</b>   | 0.05                | 0.12                | C32             |
| Trachea, bronchus and lung   | 10313     | 13.2      | 66.0                     | <b>45.4</b>  | 1.85                | 5.66                | 9826       | 13.5      | 62.3                     | <b>37.1</b>  | 1.66                | 4.80                | C33-34          |
| Other thoracic organs        | 100       | 0.1       | 0.6                      | <b>0.5</b>   | 0.04                | 0.05                | 50         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C37-38          |
| Bone                         | 170       | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                | 0.08                | 150        | 0.2       | 1.0                      | <b>0.9</b>   | 0.06                | 0.07                | C40-41          |
| Melanoma of skin             | 4077      | 5.2       | 26.1                     | <b>19.2</b>  | 1.21                | 2.18                | 3558       | 4.9       | 22.6                     | <b>16.9</b>  | 1.24                | 1.68                | C43             |
| Other skin                   | 274       | 0.4       | 1.8                      | <b>1.2</b>   | 0.06                | 0.14                | 244        | 0.3       | 1.5                      | <b>1.0</b>   | 0.07                | 0.10                | C44             |
| Mesothelioma                 | 341       | 0.4       | 2.2                      | <b>1.4</b>   | 0.06                | 0.15                | 102        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                | 0.04                | C45             |
| Kaposi sarcoma               | 116       | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                | 0.05                | 9          | 0.0       | 0.1                      | <b>0.0</b>   | 0.00                | 0.00                | C46             |
| Connective and soft tissue   | 595       | 0.8       | 3.8                      | <b>3.0</b>   | 0.16                | 0.28                | 426        | 0.6       | 2.7                      | <b>2.0</b>   | 0.12                | 0.18                | C47+C49         |
| Breast                       | 133       | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                | 0.08                | 21584      | 29.7      | 136.9                    | <b>91.8</b>  | 6.46                | 10.70               | C50             |
| Vulva                        |           |           |                          |              |                     |                     | 388        | 0.5       | 2.5                      | <b>1.5</b>   | 0.09                | 0.16                | C51             |
| Vagina                       |           |           |                          |              |                     |                     | 118        | 0.2       | 0.7                      | <b>0.4</b>   | 0.02                | 0.05                | C52             |
| Cervix uteri                 |           |           |                          |              |                     |                     | 1096       | 1.5       | 7.0                      | <b>5.5</b>   | 0.43                | 0.53                | C53             |
| Corpus uteri                 |           |           |                          |              |                     |                     | 4074       | 5.6       | 25.8                     | <b>17.6</b>  | 1.26                | 2.16                | C54             |
| Uterus unspecified           |           |           |                          |              |                     |                     | 77         | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                | 0.03                | C55             |
| Ovary                        |           |           |                          |              |                     |                     | 2351       | 3.2       | 14.9                     | <b>9.6</b>   | 0.61                | 1.08                | C56             |
| Other female genital organs  |           |           |                          |              |                     |                     | 157        | 0.2       | 1.0                      | <b>0.6</b>   | 0.04                | 0.08                | C57             |
| Placenta                     |           |           |                          |              |                     |                     | 16         | 0.0       | 0.1                      | <b>0.1</b>   | 0.01                | 0.01                | C58             |
| Penis                        | 82        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.04                |            |           |                          |              |                     |                     | C60             |
| Prostate                     | 23150     | 29.6      | 148.1                    | <b>108.8</b> | 5.46                | 14.76               |            |           |                          |              |                     |                     | C61             |
| Testis                       | 1025      | 1.3       | 6.6                      | <b>6.0</b>   | 0.45                | 0.46                |            |           |                          |              |                     |                     | C62             |
| Other male genital organs    | 51        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                |            |           |                          |              |                     |                     | C63             |
| Kidney                       | 2701      | 3.4       | 17.3                     | <b>12.8</b>  | 0.79                | 1.51                | 1621       | 2.2       | 10.3                     | <b>6.9</b>   | 0.42                | 0.79                | C64             |
| Renal pelvis                 | 151       | 0.2       | 1.0                      | <b>0.6</b>   | 0.02                | 0.07                | 127        | 0.2       | 0.8                      | <b>0.4</b>   | 0.01                | 0.04                | C65             |
| Ureter                       | 109       | 0.1       | 0.7                      | <b>0.5</b>   | 0.02                | 0.05                | 58         | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.03                | C66             |
| Bladder                      | 5285      | 6.7       | 33.8                     | <b>22.6</b>  | 0.91                | 2.64                | 1633       | 2.2       | 10.4                     | <b>5.8</b>   | 0.25                | 0.69                | C67             |
| Other urinary organs         | 61        | 0.1       | 0.4                      | <b>0.2</b>   | 0.01                | 0.02                | 22         | 0.0       | 0.1                      | <b>0.1</b>   | 0.00                | 0.01                | C68             |
| Eye                          | 141       | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                | 0.07                | 122        | 0.2       | 0.8                      | <b>0.6</b>   | 0.04                | 0.06                | C69             |
| Brain, nervous system        | 1277      | 1.6       | 8.2                      | <b>6.9</b>   | 0.43                | 0.66                | 1003       | 1.4       | 6.4                      | <b>5.2</b>   | 0.33                | 0.48                | C70-72          |
| Thyroid                      | 830       | 1.1       | 5.3                      | <b>4.2</b>   | 0.31                | 0.45                | 2483       | 3.4       | 15.8                     | <b>12.7</b>  | 1.00                | 1.21                | C73             |
| Adrenal gland                | 39        | 0.0       | 0.2                      | <b>0.3</b>   | 0.02                | 0.02                | 51         | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                | 0.02                | C74             |
| Other endocrine              | 24        | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                | 0.01                | 7          | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                | 0.00                | C75             |
| Hodgkin lymphoma             | 508       | 0.6       | 3.2                      | <b>2.9</b>   | 0.19                | 0.25                | 399        | 0.5       | 2.5                      | <b>2.3</b>   | 0.16                | 0.19                | C81             |
| Non-Hodgkin lymphoma         | 3818      | 4.9       | 24.4                     | <b>17.5</b>  | 0.97                | 1.95                | 3097       | 4.3       | 19.6                     | <b>12.2</b>  | 0.69                | 1.37                | C82-85,C96      |
| Immunoproliferative diseases | 79        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | 75         | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                | 0.03                | C88             |
| Multiple myeloma             | 1002      | 1.3       | 6.4                      | <b>4.4</b>   | 0.21                | 0.54                | 727        | 1.0       | 4.6                      | <b>2.6</b>   | 0.13                | 0.32                | C90             |
| Lymphoid leukaemia           | 1458      | 1.9       | 9.3                      | <b>7.3</b>   | 0.35                | 0.72                | 932        | 1.3       | 5.9                      | <b>4.3</b>   | 0.22                | 0.40                | C91             |
| Myeloid leukaemia            | 966       | 1.2       | 6.2                      | <b>4.5</b>   | 0.23                | 0.45                | 800        | 1.1       | 5.1                      | <b>3.2</b>   | 0.18                | 0.33                | C92-94          |
| Leukaemia unspecified        | 52        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                | 0.03                | 57         | 0.1       | 0.4                      | <b>0.2</b>   | 0.00                | 0.01                | C95             |
| Myeloproliferative disorders | 515       | 0.7       | 3.3                      | <b>2.3</b>   | 0.12                | 0.27                | 557        | 0.8       | 3.5                      | <b>2.1</b>   | 0.11                | 0.23                | MPD             |
| Myelodysplastic syndromes    | 1002      | 1.3       | 6.4                      | <b>3.9</b>   | 0.10                | 0.37                | 811        | 1.1       | 5.1                      | <b>2.6</b>   | 0.09                | 0.27                | MDS             |
| Other and unspecified        | 1360      | 1.7       | 8.7                      | <b>6.0</b>   | 0.28                | 0.65                | 1546       | 2.1       | 9.8                      | <b>5.3</b>   | 0.23                | 0.60                | O&U             |
| All sites                    | 78577     |           | 502.7                    | <b>362.2</b> | 18.56               | 43.75               | 72863      |           | 462.2                    | <b>298.4</b> | 18.29               | 34.00               | C00-96          |
| All sites except C44         | 78303     | 100.0     | 500.9                    | <b>361.0</b> | 18.49               | 43.61               | 72619      | 100.0     | 460.7                    | <b>297.4</b> | 18.22               | 33.91               | C00-96 exc. C44 |

§Includes 1 case of unknown age

# USA, Washington, Seattle

## REGISTRATION AREA

The Cancer Surveillance System (CSS) operates under the SEER Program to provide incidence and follow-up data on all newly diagnosed malignancies (except non-melanoma skin cancers and cervical carcinoma in situ) in residents of 13 counties in the north-west of Washington state. The CSS reporting area contains about 70% of the state's population. Approximately 86% of the residents in the CSS reporting area live in the metropolitan areas of Seattle–Bellevue–Everett (57.7%), Tacoma (17.5%), Bremerton (5.6%), and Olympia (5.1%). In 2000, the population was 80.4% White, 5.3% Hispanic, 4.2% Black, 7.2% Asian, 1.4% Native American, and 1.5% of other races.

## CANCER CARE FACILITIES

Cancer patients throughout the CSS catchment area have extensive access to the most advanced diagnostic and treatment facilities.

## REGISTRY STRUCTURE AND METHODS

The registry is located within the Fred Hutchinson Cancer Research Center (FHCRC) and is funded primarily by the SEER Program and partly by the FHCRC and the Washington State Department of Health. The registry's approximately two dozen highly trained cancer registration technical staff members are supported by information technology and administrative personnel. The CSS uses active case finding from hospitals, clinics, pathology laboratories, and death certificates. All case finding is performed by CSS staff members. Abstraction and coding of medical records is performed by a mix of hospital staff members and registry staff members. Editing, case consolidation, and quality control activities are performed by CSS staff members. Both active and passive follow-up methods are used. Death clearance and unduplication activities are performed annually.

## INTERPRETING THE RESULTS

There are no circumstances within the registry area that are particularly different from those of any other region with a highly medicalized society. There are no screening programmes that target the general

population, but the Washington State Department of Health supports clinics that provide low-cost or no-cost breast, cervical, and colorectal cancer screening.

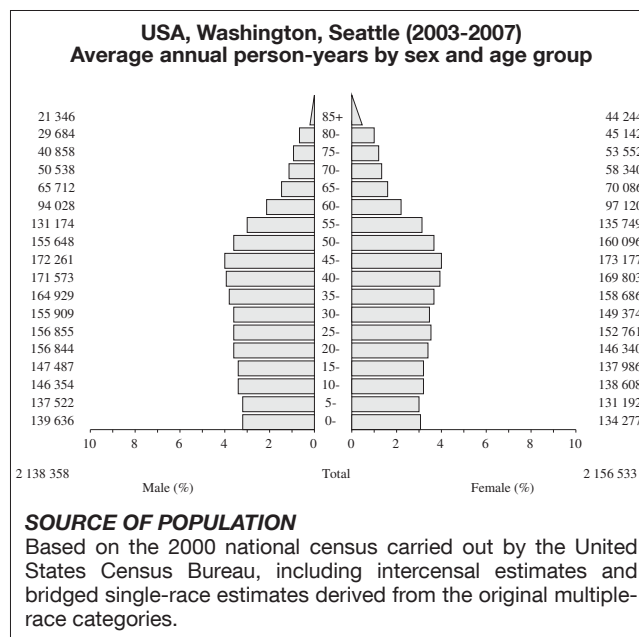
## USE OF THE DATA

The CSS provides monthly reports to all reporting hospitals. Identifying information is reported only to the reporting physician or institution, to FHCRC investigators conducting research approved by the institutional review board, and to the Washington State Department of Health. Statistical reports for publication contain no data identifying patients, physicians, or institutions. De-identified patient-level data, as well as aggregate information (e.g. incidence and survival rates by age), are released to scientists working at the local, regional, national, and international levels, through the SEER Program and <http://www.cancer-rates.info/>.

## CONTRIBUTORS

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## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 114.8 | Breast                     | 96.3  |
| Trachea, bronchus and lung | 46.2  | Trachea, bronchus and lung | 37.6  |
| Bladder                    | 23.4  | Melanoma of skin           | 18.3  |
| Melanoma of skin           | 20.7  | Corpus uteri               | 18.3  |
| Colon                      | 20.7  | Colon                      | 16.8  |
| Non-Hodgkin lymphoma       | 18.5  | Thyroid                    | 13.6  |
| Kidney                     | 13.5  | Non-Hodgkin lymphoma       | 12.9  |
| Rectum                     | 10.4  | Ovary                      | 9.8   |
| Pancreas                   | 8.1   | Kidney                     | 7.1   |
| Liver                      | 7.8   | Rectum                     | 6.4   |
| All sites                  | 378.5 | All sites                  | 310.5 |

## USA, Washington, Seattle (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 117       | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.09      | 36        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C00             |
| Tongue                       | 539       | 1.0       | 5.0                      | <b>3.8</b>   | 0.28                     | 0.47      | 227       | 0.4                      | 2.1       | <b>1.4</b>               | 0.09   | 0.17  | C01-02          |
| Mouth                        | 275       | 0.5       | 2.6                      | <b>1.9</b>   | 0.12                     | 0.24      | 227       | 0.4                      | 2.1       | <b>1.3</b>               | 0.06   | 0.14  | C03-06          |
| Salivary glands              | 132       | 0.2       | 1.2                      | <b>0.9</b>   | 0.05                     | 0.08      | 92        | 0.2                      | 0.9       | <b>0.6</b>               | 0.03   | 0.05  | C07-08          |
| Tonsil                       | 295       | 0.5       | 2.8                      | <b>2.1</b>   | 0.17                     | 0.25      | 76        | 0.1                      | 0.7       | <b>0.5</b>               | 0.03   | 0.07  | C09             |
| Other oropharynx             | 48        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.04      | 12        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C10             |
| Nasopharynx                  | 96        | 0.2       | 0.9                      | <b>0.7</b>   | 0.05                     | 0.09      | 30        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 95        | 0.2       | 0.9                      | <b>0.7</b>   | 0.03                     | 0.08      | 26        | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C12-13          |
| Pharynx unspecified          | 30        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 28        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C14             |
| Oesophagus                   | 790       | 1.4       | 7.4                      | <b>5.2</b>   | 0.24                     | 0.63      | 278       | 0.5                      | 2.6       | <b>1.5</b>               | 0.06   | 0.19  | C15             |
| Stomach                      | 864       | 1.6       | 8.1                      | <b>5.6</b>   | 0.25                     | 0.66      | 516       | 1.0                      | 4.8       | <b>2.7</b>               | 0.14   | 0.30  | C16             |
| Small intestine              | 253       | 0.5       | 2.4                      | <b>1.7</b>   | 0.10                     | 0.20      | 194       | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.13  | C17             |
| Colon                        | 3229      | 5.8       | 30.2                     | <b>20.7</b>  | 0.95                     | 2.39      | 3366      | 6.5                      | 31.2      | <b>16.8</b>              | 0.72   | 1.90  | C18             |
| Rectum                       | 1543      | 2.8       | 14.4                     | <b>10.4</b>  | 0.62                     | 1.24      | 1125      | 2.2                      | 10.4      | <b>6.4</b>               | 0.40   | 0.71  | C19-20          |
| Anus                         | 148       | 0.3       | 1.4                      | <b>1.0</b>   | 0.08                     | 0.12      | 269       | 0.5                      | 2.5       | <b>1.6</b>               | 0.11   | 0.17  | C21             |
| Liver                        | 1140      | 2.1       | 10.7                     | <b>7.8</b>   | 0.54                     | 0.92      | 466       | 0.9                      | 4.3       | <b>2.6</b>               | 0.15   | 0.31  | C22             |
| Gallbladder etc.             | 245       | 0.4       | 2.3                      | <b>1.6</b>   | 0.07                     | 0.19      | 316       | 0.6                      | 2.9       | <b>1.6</b>               | 0.07   | 0.20  | C23-24          |
| Pancreas                     | 1244      | 2.3       | 11.6                     | <b>8.1</b>   | 0.37                     | 0.97      | 1239      | 2.4                      | 11.5      | <b>6.3</b>               | 0.29   | 0.75  | C25             |
| Nose, sinuses etc.           | 79        | 0.1       | 0.7                      | <b>0.6</b>   | 0.03                     | 0.07      | 62        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C30-31          |
| Larynx                       | 522       | 0.9       | 4.9                      | <b>3.6</b>   | 0.19                     | 0.47      | 149       | 0.3                      | 1.4       | <b>0.9</b>               | 0.05   | 0.12  | C32             |
| Trachea, bronchus and lung   | 7042      | 12.7      | 65.9                     | <b>46.2</b>  | 1.89                     | 5.70      | 6793      | 13.2                     | 63.0      | <b>37.6</b>              | 1.63   | 4.83  | C33-34          |
| Other thoracic organs        | 72        | 0.1       | 0.7                      | <b>0.6</b>   | 0.04                     | 0.05      | 41        | 0.1                      | 0.4       | <b>0.3</b>               | 0.02   | 0.03  | C37-38          |
| Bone                         | 117       | 0.2       | 1.1                      | <b>1.0</b>   | 0.06                     | 0.08      | 102       | 0.2                      | 0.9       | <b>0.9</b>               | 0.06   | 0.07  | C40-41          |
| Melanoma of skin             | 2990      | 5.4       | 28.0                     | <b>20.7</b>  | 1.30                     | 2.37      | 2654      | 5.2                      | 24.6      | <b>18.3</b>              | 1.34   | 1.82  | C43             |
| Other skin                   | 193       | 0.4       | 1.8                      | <b>1.3</b>   | 0.07                     | 0.14      | 185       | 0.4                      | 1.7       | <b>1.1</b>               | 0.07   | 0.10  | C44             |
| Mesothelioma                 | 245       | 0.4       | 2.3                      | <b>1.5</b>   | 0.06                     | 0.17      | 69        | 0.1                      | 0.6       | <b>0.4</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 103       | 0.2       | 1.0                      | <b>0.7</b>   | 0.06                     | 0.06      | 5         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 423       | 0.8       | 4.0                      | <b>3.1</b>   | 0.16                     | 0.30      | 281       | 0.5                      | 2.6       | <b>1.9</b>               | 0.11   | 0.16  | C47+C49         |
| Breast                       | 95        | 0.2       | 0.9                      | <b>0.6</b>   | 0.03                     | 0.08      | 15443     | 30.0                     | 143.2     | <b>96.3</b>              | 6.78   | 11.26 | C50             |
| Vulva                        |           |           |                          |              |                          |           | 287       | 0.6                      | 2.7       | <b>1.6</b>               | 0.09   | 0.18  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 82        | 0.2                      | 0.8       | <b>0.5</b>               | 0.02   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 765       | 1.5                      | 7.1       | <b>5.5</b>               | 0.44   | 0.54  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 2890      | 5.6                      | 26.8      | <b>18.3</b>              | 1.32   | 2.26  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 35        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.01  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 1637      | 3.2                      | 15.2      | <b>9.8</b>               | 0.63   | 1.10  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 108       | 0.2                      | 1.0       | <b>0.7</b>               | 0.04   | 0.08  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 10        | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 56        | 0.1       | 0.5                      | <b>0.4</b>   | 0.01                     | 0.04      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 16402     | 29.7      | 153.4                    | <b>114.8</b> | 5.75                     | 15.59     |           |                          |           |                          |        |       | C61             |
| Testis                       | 730       | 1.3       | 6.8                      | <b>6.0</b>   | 0.46                     | 0.47      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 42        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 1935      | 3.5       | 18.1                     | <b>13.5</b>  | 0.84                     | 1.60      | 1137      | 2.2                      | 10.5      | <b>7.1</b>               | 0.44   | 0.81  | C64             |
| Renal pelvis                 | 110       | 0.2       | 1.0                      | <b>0.7</b>   | 0.02                     | 0.08      | 90        | 0.2                      | 0.8       | <b>0.4</b>               | 0.02   | 0.04  | C65             |
| Ureter                       | 76        | 0.1       | 0.7                      | <b>0.5</b>   | 0.01                     | 0.05      | 42        | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.03  | C66             |
| Bladder                      | 3698      | 6.7       | 34.6                     | <b>23.4</b>  | 0.93                     | 2.68      | 1117      | 2.2                      | 10.4      | <b>5.8</b>               | 0.25   | 0.68  | C67             |
| Other urinary organs         | 52        | 0.1       | 0.5                      | <b>0.3</b>   | 0.01                     | 0.03      | 16        | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C68             |
| Eye                          | 93        | 0.2       | 0.9                      | <b>0.7</b>   | 0.04                     | 0.07      | 94        | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.07  | C69             |
| Brain, nervous system        | 898       | 1.6       | 8.4                      | <b>7.1</b>   | 0.46                     | 0.68      | 709       | 1.4                      | 6.6       | <b>5.3</b>               | 0.33   | 0.49  | C70-72          |
| Thyroid                      | 598       | 1.1       | 5.6                      | <b>4.4</b>   | 0.33                     | 0.48      | 1855      | 3.6                      | 17.2      | <b>13.6</b>              | 1.08   | 1.30  | C73             |
| Adrenal gland                | 28        | 0.1       | 0.3                      | <b>0.3</b>   | 0.02                     | 0.02      | 34        | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.03  | C74             |
| Other endocrine              | 17        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 382       | 0.7       | 3.6                      | <b>3.2</b>   | 0.21                     | 0.27      | 292       | 0.6                      | 2.7       | <b>2.4</b>               | 0.17   | 0.20  | C81             |
| Non-Hodgkin lymphoma         | 2739      | 5.0       | 25.6                     | <b>18.5</b>  | 1.01                     | 2.05      | 2220      | 4.3                      | 20.6      | <b>12.9</b>              | 0.73   | 1.45  | C82-85,C96      |
| Immunoproliferative diseases | 69        | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04      | 61        | 0.1                      | 0.6       | <b>0.3</b>               | 0.02   | 0.03  | C88             |
| Multiple myeloma             | 733       | 1.3       | 6.9                      | <b>4.8</b>   | 0.22                     | 0.58      | 534       | 1.0                      | 5.0       | <b>2.9</b>               | 0.14   | 0.37  | C90             |
| Lymphoid leukaemia           | 1050      | 1.9       | 9.8                      | <b>7.8</b>   | 0.37                     | 0.78      | 712       | 1.4                      | 6.6       | <b>4.9</b>               | 0.24   | 0.47  | C91             |
| Myeloid leukaemia            | 688       | 1.2       | 6.4                      | <b>4.7</b>   | 0.23                     | 0.45      | 560       | 1.1                      | 5.2       | <b>3.3</b>               | 0.17   | 0.34  | C92-94          |
| Leukaemia unspecified        | 36        | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.03      | 39        | 0.1                      | 0.4       | <b>0.2</b>               | 0.00   | 0.01  | C95             |
| Myeloproliferative disorders | 420       | 0.8       | 3.9                      | <b>2.8</b>   | 0.14                     | 0.33      | 433       | 0.8                      | 4.0       | <b>2.4</b>               | 0.12   | 0.26  | MPD             |
| Myelodysplastic syndromes    | 790       | 1.4       | 7.4                      | <b>4.5</b>   | 0.12                     | 0.42      | 605       | 1.2                      | 5.6       | <b>2.8</b>               | 0.09   | 0.29  | MDS             |
| Other and unspecified        | 855       | 1.5       | 8.0                      | <b>5.5</b>   | 0.27                     | 0.60      | 1000      | 1.9                      | 9.3       | <b>5.1</b>               | 0.23   | 0.58  | O&U             |
| All sites                    | 55461     |           | 518.7                    | <b>378.5</b> | 19.38                    | 45.56     | 51672     |                          | 479.2     | <b>310.5</b>             | 19.04  | 35.34 | C00-96          |
| All sites except C44         | 55268     | 100.0     | 516.9                    | <b>377.2</b> | 19.32                    | 45.42     | 51487     | 100.0                    | 477.5     | <b>309.4</b>             | 18.97  | 35.24 | C00-96 exc. C44 |

# USA, West Virginia

## REGISTRATION AREA

The West Virginia Cancer Registry (WVCR) covers the entire state of West Virginia, the population of which is 94% White and 1.2% Hispanic. Compared with national averages, West Virginians have lower educational attainment (81.6% of residents aged 25 years or older have a high school education or higher, vs the national average of 84.6%), a lower per capita income (US\$ 20 891 vs US\$ 27 041), and a higher median age (41.3 years vs 37.2 years). West Virginia is a rural state, with only 46.1% of the population living in urban areas.

## CANCER CARE FACILITIES

As of October 2011, 51 of West Virginia's 55 counties were classified by the United States Department of Health and Human Services as medically underserved or as having medically underserved populations. West Virginia has 52 hospitals, 12 of which have cancer programmes approved by the American College of Surgeons Commission on Cancer.

## REGISTRY STRUCTURE AND METHODS

The WVCR is funded by the state of West Virginia and the United States Centers for Disease Control and Prevention's (CDC's) National Program of Cancer Registries (NPCR) and has 10 full-time staff members. The registry receives electronic reports from hospitals with cancer registries and provides abstracting services to other hospitals and physicians' offices. The WVCR also conducts linkages with death certificates and breast and cervical cancer screening programme data. Registry staff members perform computerized edits on all data and visual editing on at least 10% of cases from each reporter.

## INTERPRETING THE RESULTS

West Virginia has higher levels of certain cancer risk factors (including tobacco use and obesity) than national averages. Screening rates for breast and

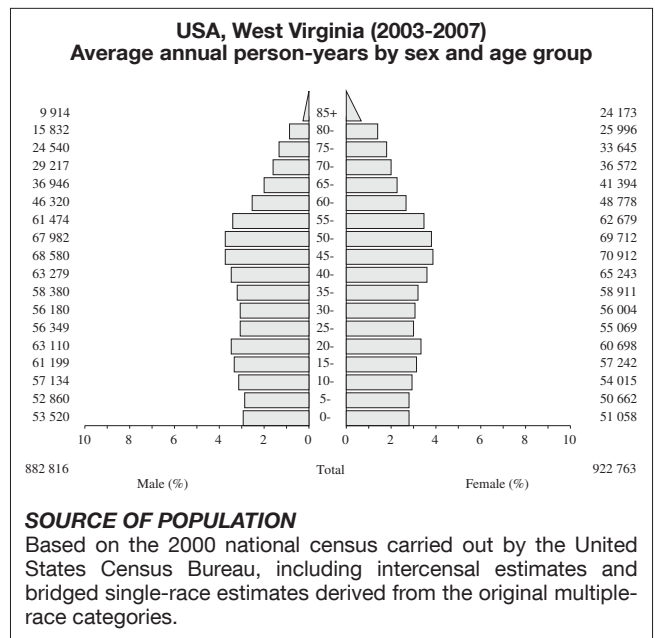
cervical cancer are similar to national averages, as is the prostate-specific antigen (PSA) testing rate. Colonoscopy and sigmoidoscopy rates are lower than national averages.

## USE OF THE DATA

The WVCR publishes an annual report on cancer incidence and mortality, conducts investigations of possible cancer clusters, performs analyses for special projects, promotes the use of WVCR data in planning and evaluation of cancer control activities, and provides de-identified data to approved researchers.

## CONTRIBUTORS

Myra N. Fernatt  
Alana G. Hudson



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 92.3  | Breast                     | 82.0  |
| Trachea, bronchus and lung | 73.6  | Trachea, bronchus and lung | 47.6  |
| Colon                      | 27.7  | Corpus uteri               | 21.5  |
| Bladder                    | 23.8  | Colon                      | 21.4  |
| Non-Hodgkin lymphoma       | 16.2  | Non-Hodgkin lymphoma       | 11.7  |
| Melanoma of skin           | 15.1  | Melanoma of skin           | 11.5  |
| Rectum                     | 14.2  | Thyroid                    | 11.5  |
| Kidney                     | 13.8  | Ovary                      | 9.8   |
| Pancreas                   | 7.7   | Rectum                     | 8.4   |
| Brain, nervous system      | 7.3   | Kidney                     | 8.0   |
| All sites                  | 383.1 | All sites                  | 306.0 |

## USA, West Virginia (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 37        | 0.1       | 0.8                      | <b>0.5</b>   | 0.02                     | 0.07      | 14        | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.02  | C00             |
| Tongue                       | 229       | 0.8       | 5.2                      | <b>3.4</b>   | 0.25                     | 0.41      | 92        | 0.4                      | 2.0       | <b>1.3</b>               | 0.10   | 0.14  | C01-02          |
| Mouth                        | 184       | 0.7       | 4.2                      | <b>2.7</b>   | 0.19                     | 0.34      | 88        | 0.3                      | 1.9       | <b>0.9</b>               | 0.05   | 0.11  | C03-06          |
| Salivary glands              | 72        | 0.3       | 1.6                      | <b>1.0</b>   | 0.06                     | 0.09      | 42        | 0.2                      | 0.9       | <b>0.6</b>               | 0.04   | 0.05  | C07-08          |
| Tonsil                       | 156       | 0.6       | 3.5                      | <b>2.3</b>   | 0.21                     | 0.25      | 48        | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.07  | C09             |
| Other oropharynx             | 38        | 0.1       | 0.9                      | <b>0.6</b>   | 0.05                     | 0.07      | 14        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 49        | 0.2       | 1.1                      | <b>0.8</b>   | 0.06                     | 0.09      | 13        | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 80        | 0.3       | 1.8                      | <b>1.1</b>   | 0.08                     | 0.14      | 14        | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C12-13          |
| Pharynx unspecified          | 19        | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.03      | 11        | 0.0                      | 0.2       | <b>0.1</b>               | 0.01   | 0.01  | C14             |
| Oesophagus                   | 483       | 1.7       | 10.9                     | <b>6.7</b>   | 0.43                     | 0.80      | 128       | 0.5                      | 2.8       | <b>1.3</b>               | 0.06   | 0.15  | C15             |
| Stomach                      | 392       | 1.4       | 8.9                      | <b>5.0</b>   | 0.26                     | 0.58      | 273       | 1.1                      | 5.9       | <b>2.9</b>               | 0.14   | 0.35  | C16             |
| Small intestine              | 101       | 0.4       | 2.3                      | <b>1.4</b>   | 0.08                     | 0.17      | 97        | 0.4                      | 2.1       | <b>1.0</b>               | 0.06   | 0.10  | C17             |
| Colon                        | 2175      | 7.7       | 49.3                     | <b>27.7</b>  | 1.32                     | 3.24      | 2213      | 8.6                      | 48.0      | <b>21.4</b>              | 1.03   | 2.48  | C18             |
| Rectum                       | 1053      | 3.7       | 23.9                     | <b>14.2</b>  | 0.80                     | 1.71      | 746       | 2.9                      | 16.2      | <b>8.4</b>               | 0.50   | 0.99  | C19-20          |
| Anus                         | 53        | 0.2       | 1.2                      | <b>0.8</b>   | 0.05                     | 0.10      | 117       | 0.5                      | 2.5       | <b>1.5</b>               | 0.12   | 0.16  | C21             |
| Liver                        | 322       | 1.1       | 7.3                      | <b>4.4</b>   | 0.27                     | 0.52      | 185       | 0.7                      | 4.0       | <b>1.8</b>               | 0.10   | 0.18  | C22             |
| Gallbladder etc.             | 118       | 0.4       | 2.7                      | <b>1.5</b>   | 0.07                     | 0.19      | 183       | 0.7                      | 4.0       | <b>1.7</b>               | 0.08   | 0.21  | C23-24          |
| Pancreas                     | 605       | 2.1       | 13.7                     | <b>7.7</b>   | 0.40                     | 0.89      | 556       | 2.2                      | 12.1      | <b>5.4</b>               | 0.27   | 0.63  | C25             |
| Nose, sinuses etc.           | 46        | 0.2       | 1.0                      | <b>0.7</b>   | 0.05                     | 0.07      | 40        | 0.2                      | 0.9       | <b>0.5</b>               | 0.03   | 0.06  | C30-31          |
| Larynx                       | 447       | 1.6       | 10.1                     | <b>6.4</b>   | 0.42                     | 0.80      | 135       | 0.5                      | 2.9       | <b>1.8</b>               | 0.13   | 0.22  | C32             |
| Trachea, bronchus and lung   | 5691      | 20.2      | 128.9                    | <b>73.6</b>  | 3.54                     | 9.33      | 4376      | 17.1                     | 94.8      | <b>47.6</b>              | 2.49   | 6.21  | C33-34          |
| Other thoracic organs        | 21        | 0.1       | 0.5                      | <b>0.3</b>   | 0.02                     | 0.03      | 11        | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 59        | 0.2       | 1.3                      | <b>1.1</b>   | 0.07                     | 0.10      | 50        | 0.2                      | 1.1       | <b>0.9</b>               | 0.05   | 0.08  | C40-41          |
| Melanoma of skin             | 1030      | 3.6       | 23.3                     | <b>15.1</b>  | 1.00                     | 1.70      | 786       | 3.1                      | 17.0      | <b>11.5</b>              | 0.81   | 1.19  | C43             |
| Other skin                   | 70        | 0.2       | 1.6                      | <b>0.9</b>   | 0.05                     | 0.08      | 56        | 0.2                      | 1.2       | <b>0.7</b>               | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 143       | 0.5       | 3.2                      | <b>1.8</b>   | 0.07                     | 0.22      | 31        | 0.1                      | 0.7       | <b>0.3</b>               | 0.02   | 0.04  | C45             |
| Kaposi sarcoma               | 10        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 168       | 0.6       | 3.8                      | <b>2.7</b>   | 0.16                     | 0.27      | 160       | 0.6                      | 3.5       | <b>2.4</b>               | 0.13   | 0.21  | C47+C49         |
| Breast                       | 71        | 0.3       | 1.6                      | <b>0.9</b>   | 0.05                     | 0.11      | 6528      | 25.5                     | 141.5     | <b>82.0</b>              | 5.87   | 9.44  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 167       | 0.7                      | 3.6       | <b>1.9</b>               | 0.12   | 0.21  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 47        | 0.2                      | 1.0       | <b>0.5</b>               | 0.03   | 0.05  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 469       | 1.8                      | 10.2      | <b>7.7</b>               | 0.62   | 0.74  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 1637      | 6.4                      | 35.5      | <b>21.5</b>              | 1.67   | 2.51  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 48        | 0.2                      | 1.0       | <b>0.5</b>               | 0.03   | 0.05  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 786       | 3.1                      | 17.0      | <b>9.8</b>               | 0.68   | 1.09  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 26        | 0.1                      | 0.6       | <b>0.4</b>               | 0.03   | 0.04  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C58             |
| Penis                        | 53        | 0.2       | 1.2                      | <b>0.7</b>   | 0.05                     | 0.09      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 7003      | 24.8      | 158.7                    | <b>92.3</b>  | 4.50                     | 12.29     |           |                          |           |                          |        |       | C61             |
| Testis                       | 234       | 0.8       | 5.3                      | <b>5.2</b>   | 0.39                     | 0.40      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 8         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 963       | 3.4       | 21.8                     | <b>13.8</b>  | 0.87                     | 1.61      | 648       | 2.5                      | 14.0      | <b>8.0</b>               | 0.49   | 0.98  | C64             |
| Renal pelvis                 | 52        | 0.2       | 1.2                      | <b>0.6</b>   | 0.02                     | 0.06      | 34        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.03  | C65             |
| Ureter                       | 40        | 0.1       | 0.9                      | <b>0.5</b>   | 0.03                     | 0.06      | 24        | 0.1                      | 0.5       | <b>0.2</b>               | 0.01   | 0.01  | C66             |
| Bladder                      | 1896      | 6.7       | 43.0                     | <b>23.8</b>  | 1.06                     | 2.86      | 682       | 2.7                      | 14.8      | <b>6.6</b>               | 0.31   | 0.78  | C67             |
| Other urinary organs         | 13        | 0.0       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 8         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 61        | 0.2       | 1.4                      | <b>1.1</b>   | 0.06                     | 0.11      | 54        | 0.2                      | 1.2       | <b>0.8</b>               | 0.05   | 0.07  | C69             |
| Brain, nervous system        | 418       | 1.5       | 9.5                      | <b>7.3</b>   | 0.46                     | 0.70      | 368       | 1.4                      | 8.0       | <b>5.5</b>               | 0.37   | 0.54  | C70-72          |
| Thyroid                      | 245       | 0.9       | 5.6                      | <b>4.0</b>   | 0.28                     | 0.45      | 702       | 2.7                      | 15.2      | <b>11.5</b>              | 0.92   | 1.11  | C73             |
| Adrenal gland                | 22        | 0.1       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.04      | 18        | 0.1                      | 0.4       | <b>0.3</b>               | 0.01   | 0.03  | C74             |
| Other endocrine              | 10        | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.02      | 4         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.01  | C75             |
| Hodgkin lymphoma             | 124       | 0.4       | 2.8                      | <b>2.5</b>   | 0.17                     | 0.20      | 113       | 0.4                      | 2.4       | <b>2.2</b>               | 0.15   | 0.18  | C81             |
| Non-Hodgkin lymphoma         | 1161      | 4.1       | 26.3                     | <b>16.2</b>  | 0.93                     | 1.85      | 1035      | 4.0                      | 22.4      | <b>11.7</b>              | 0.68   | 1.39  | C82-85,C96      |
| Immunoproliferative diseases | 17        | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.04      | 9         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.01  | C88             |
| Multiple myeloma             | 322       | 1.1       | 7.3                      | <b>4.2</b>   | 0.22                     | 0.50      | 303       | 1.2                      | 6.6       | <b>3.0</b>               | 0.16   | 0.36  | C90             |
| Lymphoid leukaemia           | 443       | 1.6       | 10.0                     | <b>6.6</b>   | 0.32                     | 0.71      | 286       | 1.1                      | 6.2       | <b>3.8</b>               | 0.19   | 0.36  | C91             |
| Myeloid leukaemia            | 352       | 1.2       | 8.0                      | <b>5.2</b>   | 0.30                     | 0.52      | 289       | 1.1                      | 6.3       | <b>3.6</b>               | 0.23   | 0.36  | C92-94          |
| Leukaemia unspecified        | 44        | 0.2       | 1.0                      | <b>0.5</b>   | 0.02                     | 0.05      | 32        | 0.1                      | 0.7       | <b>0.3</b>               | 0.01   | 0.02  | C95             |
| Myeloproliferative disorders | 121       | 0.4       | 2.7                      | <b>1.7</b>   | 0.10                     | 0.17      | 103       | 0.4                      | 2.2       | <b>1.0</b>               | 0.06   | 0.12  | MPD             |
| Myelodysplastic syndromes    | 233       | 0.8       | 5.3                      | <b>2.7</b>   | 0.08                     | 0.25      | 224       | 0.9                      | 4.9       | <b>2.1</b>               | 0.09   | 0.23  | MDS             |
| Other and unspecified        | 556       | 2.0       | 12.6                     | <b>7.1</b>   | 0.36                     | 0.76      | 565       | 2.2                      | 12.2      | <b>5.4</b>               | 0.27   | 0.59  | O&U             |
| All sites                    | 28313     |           | 641.4                    | <b>383.1</b> | 20.33                    | 46.18     | 25690     |                          | 556.8     | <b>306.0</b>             | 19.40  | 35.14 | C00-96          |
| All sites except C44         | 28243     | 100.0     | 639.8                    | <b>382.2</b> | 20.28                    | 46.10     | 25634     | 100.0                    | 555.6     | <b>305.3</b>             | 19.36  | 35.06 | C00-96 exc. C44 |



# USA, Wisconsin

## REGISTRATION AREA

The Wisconsin Cancer Reporting System (WCRS) covers the state of Wisconsin, which had a population of 5.7 million at the 2010 census. Approximately 89% of residents are White, 6% are African-American, 1% are American Indian or Alaska Native, 2% are Asian or Pacific Islander, and 6% of residents are of Hispanic origin. The poverty rate is 12.5%, and about one third of residents live in rural areas.

## CANCER CARE FACILITIES

Wisconsin has 130 hospitals, 235 clinics (including radiation therapy centres, health maintenance organization outpatient clinics, and private physician offices), and four pathology laboratories. Residents living near state borders may cross into other states for cancer diagnoses and care.

## REGISTRY STRUCTURE AND METHODS

The WCRS is located within the Wisconsin Division of Public Health. It is funded by general purpose revenue funds (25%) and the United States Centers for Disease Control and Prevention (CDC) through the National Program of Cancer Registries (NPCR) (75%). The registry has seven full-time employees. It passively collects data from state sources and out-of-state hospitals along the state borders. The WCRS has data exchange agreements with 20 other state central cancer registries and conducts annual links with Wisconsin death records and the National Death Index. Annual follow-up is conducted on death-certificate-only (DCO) cases. Cancer is a reportable disease in Wisconsin. Submitted data are processed using a combination of NPCR-required and NPCR-recommended edits and Wisconsin-specific edits. The WCRS has achieved NAACCR Silver or Gold certification for 13 of the past 15 years and received the 2013 Registry of Excellence award from the NPCR.

## INTERPRETING THE RESULTS

The Wisconsin Well Woman Program is a health screening programme for uninsured and underinsured women aged 45 years or more. The programme removes financial barriers that can prevent many

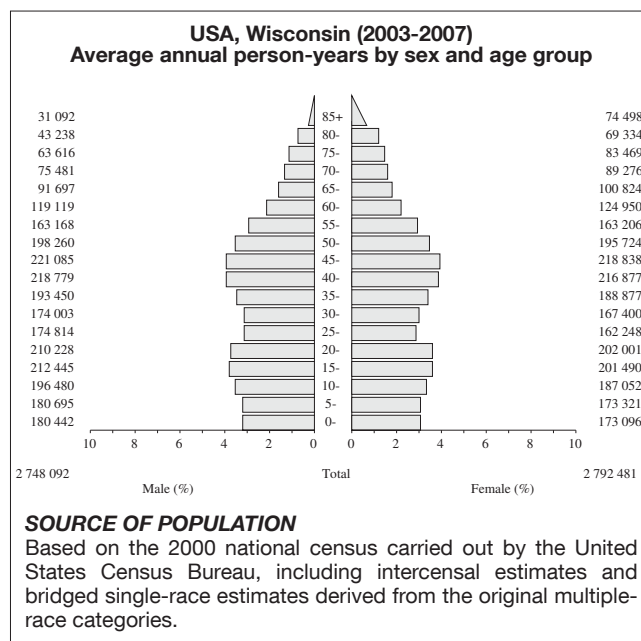
women from being screened for breast and cervical cancer.

## USE OF THE DATA

The WCRS provides state and county data by cancer site, sex, race/ethnicity, and stage of disease on its public-use data query webpage (<http://www.dhs.wisconsin.gov/wish/cancer/>). The registry partners with the American Cancer Society to produce the biannual *Wisconsin Cancer Facts & Figures* report. Upon request, WCRS data are also provided to external researchers who meet statutory requirements, and have been included in numerous specialized studies of cancer incidence and mortality, as well as health services studies. WCRS data are published in the NAACCR report *Cancer in North America* and the CDC publication *United States Cancer Statistics*.

## CONTRIBUTORS

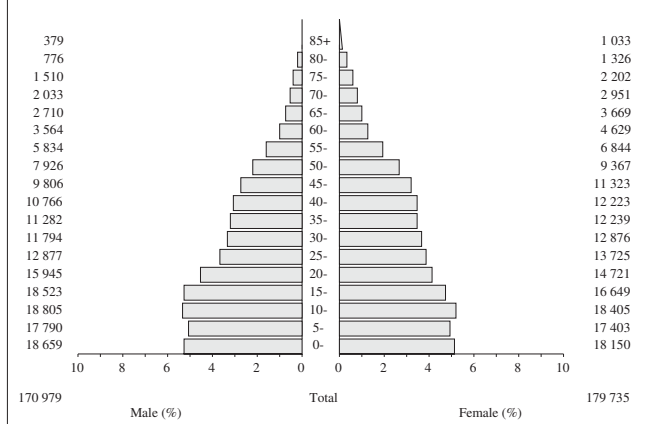
Laura Stephenson  
Mary Foote



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 106.7 | Breast                     | 87.5  |
| Trachea, bronchus and lung | 48.6  | Trachea, bronchus and lung | 35.6  |
| Colon                      | 22.4  | Corpus uteri               | 19.5  |
| Bladder                    | 21.6  | Colon                      | 18.1  |
| Non-Hodgkin lymphoma       | 17.3  | Non-Hodgkin lymphoma       | 12.7  |
| Kidney                     | 13.9  | Ovary                      | 11.8  |
| Melanoma of skin           | 13.5  | Thyroid                    | 11.0  |
| Rectum                     | 10.5  | Melanoma of skin           | 11.0  |
| Pancreas                   | 8.3   | Kidney                     | 7.3   |
| Lymphoid leukaemia         | 8.2   | Rectum                     | 6.2   |
| All sites                  | 364.1 | All sites                  | 293.9 |

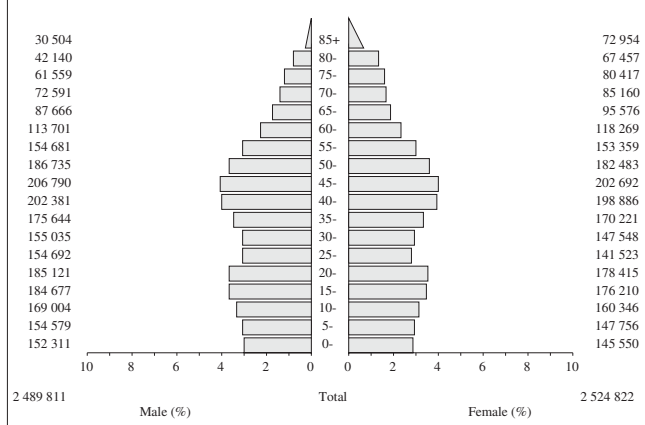
**USA, Wisconsin: Black (2003-2007)**  
Average annual person-years by sex and age group



**USA, WISCONSIN: BLACK**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 178.2 | Breast                     | 79.2  |
| Trachea, bronchus and lung | 89.5  | Trachea, bronchus and lung | 44.4  |
| Colon                      | 32.8  | Colon                      | 25.6  |
| Kidney                     | 17.2  | Corpus uteri               | 15.0  |
| Liver                      | 13.2  | Cervix uteri               | 10.0  |
| Pancreas                   | 12.5  | Other and unspecified      | 9.8   |
| Stomach                    | 11.6  | Ovary                      | 9.6   |
| Larynx                     | 11.2  | Non-Hodgkin lymphoma       | 9.1   |
| Multiple myeloma           | 10.7  | Pancreas                   | 8.9   |
| Non-Hodgkin lymphoma       | 10.7  | Rectum                     | 8.6   |
| All sites                  | 486.6 | All sites                  | 298.3 |

**USA, Wisconsin: White (2003-2007)**  
Average annual person-years by sex and age group



**USA, WISCONSIN: WHITE**  
10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 102.7 | Breast                     | 87.7  |
| Trachea, bronchus and lung | 46.3  | Trachea, bronchus and lung | 34.6  |
| Bladder                    | 21.9  | Corpus uteri               | 19.6  |
| Colon                      | 21.8  | Colon                      | 17.5  |
| Non-Hodgkin lymphoma       | 17.4  | Non-Hodgkin lymphoma       | 12.7  |
| Melanoma of skin           | 14.0  | Ovary                      | 12.0  |
| Kidney                     | 13.5  | Melanoma of skin           | 11.6  |
| Rectum                     | 10.3  | Thyroid                    | 11.3  |
| Lymphoid leukaemia         | 8.3   | Kidney                     | 7.2   |
| Pancreas                   | 8.0   | Bladder                    | 6.1   |
| All sites                  | 354.7 | All sites                  | 291.3 |

## USA, Wisconsin (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 144       | 0.2       | 1.0                      | 0.7       | 0.03                     | 0.08      | 43        | 0.1                      | 0.3       | 0.2                      | 0.00   | 0.02  | C00             |
| Tongue                       | 619       | 0.9       | 4.5                      | 3.3       | 0.24                     | 0.40      | 259       | 0.4                      | 1.9       | 1.2                      | 0.09   | 0.14  | C01-02          |
| Mouth                        | 378       | 0.5       | 2.8                      | 2.0       | 0.12                     | 0.26      | 322       | 0.5                      | 2.3       | 1.4                      | 0.08   | 0.15  | C03-06          |
| Salivary glands              | 190       | 0.3       | 1.4                      | 1.0       | 0.06                     | 0.10      | 146       | 0.2                      | 1.0       | 0.7                      | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 329       | 0.5       | 2.4                      | 1.8       | 0.15                     | 0.20      | 100       | 0.1                      | 0.7       | 0.5                      | 0.03   | 0.06  | C09             |
| Other oropharynx             | 133       | 0.2       | 1.0                      | 0.7       | 0.06                     | 0.09      | 53        | 0.1                      | 0.4       | 0.2                      | 0.02   | 0.03  | C10             |
| Nasopharynx                  | 91        | 0.1       | 0.7                      | 0.5       | 0.04                     | 0.05      | 32        | 0.0                      | 0.2       | 0.2                      | 0.01   | 0.02  | C11             |
| Hypopharynx                  | 220       | 0.3       | 1.6                      | 1.1       | 0.07                     | 0.14      | 64        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.04  | C12-13          |
| Pharynx unspecified          | 33        | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.03      | 12        | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1345      | 1.9       | 9.8                      | 6.6       | 0.38                     | 0.83      | 381       | 0.6                      | 2.7       | 1.5                      | 0.07   | 0.19  | C15             |
| Stomach                      | 1102      | 1.5       | 8.0                      | 5.2       | 0.26                     | 0.61      | 668       | 1.0                      | 4.8       | 2.5                      | 0.12   | 0.27  | C16             |
| Small intestine              | 311       | 0.4       | 2.3                      | 1.6       | 0.08                     | 0.19      | 293       | 0.4                      | 2.1       | 1.3                      | 0.08   | 0.15  | C17             |
| Colon                        | 4848      | 6.7       | 35.3                     | 22.4      | 1.00                     | 2.57      | 5342      | 8.0                      | 38.3      | 18.1                     | 0.77   | 2.03  | C18             |
| Rectum                       | 2145      | 3.0       | 15.6                     | 10.5      | 0.58                     | 1.24      | 1532      | 2.3                      | 11.0      | 6.2                      | 0.34   | 0.71  | C19-20          |
| Anus                         | 128       | 0.2       | 0.9                      | 0.6       | 0.05                     | 0.07      | 248       | 0.4                      | 1.8       | 1.1                      | 0.08   | 0.12  | C21             |
| Liver                        | 1067      | 1.5       | 7.8                      | 5.3       | 0.32                     | 0.65      | 514       | 0.8                      | 3.7       | 2.0                      | 0.11   | 0.23  | C22             |
| Gallbladder etc.             | 334       | 0.5       | 2.4                      | 1.5       | 0.07                     | 0.17      | 440       | 0.7                      | 3.2       | 1.5                      | 0.06   | 0.17  | C23-24          |
| Pancreas                     | 1747      | 2.4       | 12.7                     | 8.3       | 0.40                     | 1.03      | 1696      | 2.5                      | 12.1      | 6.1                      | 0.29   | 0.73  | C25             |
| Nose, sinuses etc.           | 121       | 0.2       | 0.9                      | 0.7       | 0.04                     | 0.07      | 71        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.04  | C30-31          |
| Larynx                       | 918       | 1.3       | 6.7                      | 4.6       | 0.26                     | 0.59      | 215       | 0.3                      | 1.5       | 1.0                      | 0.07   | 0.14  | C32             |
| Trachea, bronchus and lung   | 10184     | 14.0      | 74.1                     | 48.6      | 2.18                     | 6.16      | 8548      | 12.8                     | 61.2      | 35.6                     | 1.80   | 4.67  | C33-34          |
| Other thoracic organs        | 72        | 0.1       | 0.5                      | 0.4       | 0.03                     | 0.04      | 45        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 162       | 0.2       | 1.2                      | 1.1       | 0.07                     | 0.08      | 134       | 0.2                      | 1.0       | 0.8                      | 0.05   | 0.07  | C40-41          |
| Melanoma of skin             | 2614      | 3.6       | 19.0                     | 13.5      | 0.87                     | 1.50      | 2104      | 3.1                      | 15.1      | 11.0                     | 0.79   | 1.11  | C43             |
| Other skin                   | 183       | 0.3       | 1.3                      | 0.9       | 0.04                     | 0.09      | 140       | 0.2                      | 1.0       | 0.6                      | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 306       | 0.4       | 2.2                      | 1.4       | 0.04                     | 0.17      | 101       | 0.2                      | 0.7       | 0.4                      | 0.01   | 0.04  | C45             |
| Kaposi sarcoma               | 29        | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01      | 3         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 479       | 0.7       | 3.5                      | 2.6       | 0.15                     | 0.24      | 437       | 0.7                      | 3.1       | 2.2                      | 0.14   | 0.22  | C47+C49         |
| Breast                       | 235       | 0.3       | 1.7                      | 1.2       | 0.06                     | 0.14      | 19046     | 28.4                     | 136.4     | 87.5                     | 6.04   | 10.19 | C50             |
| Vulva                        |           |           |                          |           |                          |           | 380       | 0.6                      | 2.7       | 1.4                      | 0.06   | 0.15  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 81        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 905       | 1.4                      | 6.5       | 5.1                      | 0.40   | 0.49  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 4084      | 6.1                      | 29.2      | 19.5                     | 1.46   | 2.39  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 203       | 0.3                      | 1.5       | 0.9                      | 0.06   | 0.10  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 2582      | 3.9                      | 18.5      | 11.8                     | 0.80   | 1.34  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 89        | 0.1                      | 0.6       | 0.4                      | 0.02   | 0.05  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 12        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C58             |
| Penis                        | 104       | 0.1       | 0.8                      | 0.5       | 0.02                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 20800     | 28.6      | 151.4                    | 106.7     | 5.73                     | 14.51     |           |                          |           |                          |        |       | C61             |
| Testis                       | 951       | 1.3       | 6.9                      | 6.6       | 0.48                     | 0.50      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 34        | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2698      | 3.7       | 19.6                     | 13.9      | 0.85                     | 1.67      | 1614      | 2.4                      | 11.6      | 7.3                      | 0.43   | 0.86  | C64             |
| Renal pelvis                 | 142       | 0.2       | 1.0                      | 0.7       | 0.03                     | 0.08      | 104       | 0.2                      | 0.7       | 0.3                      | 0.01   | 0.04  | C65             |
| Ureter                       | 99        | 0.1       | 0.7                      | 0.4       | 0.02                     | 0.05      | 90        | 0.1                      | 0.6       | 0.3                      | 0.01   | 0.04  | C66             |
| Bladder                      | 4825      | 6.6       | 35.1                     | 21.6      | 0.84                     | 2.50      | 1709      | 2.5                      | 12.2      | 6.1                      | 0.28   | 0.72  | C67             |
| Other urinary organs         | 33        | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.02      | 17        | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C68             |
| Eye                          | 140       | 0.2       | 1.0                      | 0.8       | 0.05                     | 0.08      | 116       | 0.2                      | 0.8       | 0.6                      | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 1188      | 1.6       | 8.6                      | 7.1       | 0.44                     | 0.70      | 976       | 1.5                      | 7.0       | 5.4                      | 0.34   | 0.52  | C70-72          |
| Thyroid                      | 632       | 0.9       | 4.6                      | 3.6       | 0.25                     | 0.39      | 1875      | 2.8                      | 13.4      | 11.0                     | 0.85   | 1.02  | C73             |
| Adrenal gland                | 50        | 0.1       | 0.4                      | 0.4       | 0.02                     | 0.03      | 51        | 0.1                      | 0.4       | 0.4                      | 0.02   | 0.03  | C74             |
| Other endocrine              | 26        | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.01      | 18        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 556       | 0.8       | 4.0                      | 3.5       | 0.24                     | 0.30      | 497       | 0.7                      | 3.6       | 3.3                      | 0.22   | 0.26  | C81             |
| Non-Hodgkin lymphoma         | 3510      | 4.8       | 25.5                     | 17.3      | 0.95                     | 1.91      | 3132      | 4.7                      | 22.4      | 12.7                     | 0.70   | 1.45  | C82-85,C96      |
| Immunoproliferative diseases | 68        | 0.1       | 0.5                      | 0.3       | 0.01                     | 0.04      | 47        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 1059      | 1.5       | 7.7                      | 5.0       | 0.23                     | 0.61      | 833       | 1.2                      | 6.0       | 3.2                      | 0.17   | 0.41  | C90             |
| Lymphoid leukaemia           | 1512      | 2.1       | 11.0                     | 8.2       | 0.40                     | 0.82      | 960       | 1.4                      | 6.9       | 4.9                      | 0.26   | 0.44  | C91             |
| Myeloid leukaemia            | 1148      | 1.6       | 8.4                      | 5.9       | 0.29                     | 0.64      | 906       | 1.4                      | 6.5       | 4.2                      | 0.24   | 0.42  | C92-94          |
| Leukaemia unspecified        | 179       | 0.2       | 1.3                      | 0.8       | 0.03                     | 0.07      | 148       | 0.2                      | 1.1       | 0.4                      | 0.01   | 0.04  | C95             |
| Myeloproliferative disorders | 458       | 0.6       | 3.3                      | 2.2       | 0.11                     | 0.25      | 476       | 0.7                      | 3.4       | 1.7                      | 0.07   | 0.19  | MPD             |
| Myelodysplastic syndromes    | 823       | 1.1       | 6.0                      | 3.5       | 0.09                     | 0.39      | 569       | 0.8                      | 4.1       | 1.8                      | 0.06   | 0.19  | MDS             |
| Other and unspecified        | 1379      | 1.9       | 10.0                     | 6.3       | 0.29                     | 0.68      | 1700      | 2.5                      | 12.2      | 6.0                      | 0.29   | 0.67  | O&U             |
| All sites                    | 72881     |           | 530.4                    | 364.1     | 19.03                    | 44.12     | 67163     |                          | 481.0     | 293.9                    | 18.06  | 33.69 | C00-96          |
| All sites except C44         | 72698     | 100.0     | 529.1                    | 363.2     | 18.99                    | 44.03     | 67023     | 100.0                    | 480.0     | 293.2                    | 18.02  | 33.62 | C00-96 exc. C44 |

## USA, Wisconsin: Black (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C00             |
| Tongue                       | 26        | 0.9       | 3.0                      | <b>3.9</b>   | 0.23                     | 0.50      | 7         | 0.3                      | 0.8       | <b>0.8</b>               | 0.06   | 0.09  | C01-02          |
| Mouth                        | 20        | 0.7       | 2.3                      | <b>3.2</b>   | 0.22                     | 0.41      | 11        | 0.4                      | 1.2       | <b>1.4</b>               | 0.06   | 0.14  | C03-06          |
| Salivary glands              | 5         | 0.2       | 0.6                      | <b>0.6</b>   | 0.06                     | 0.06      | 6         | 0.2                      | 0.7       | <b>0.8</b>               | 0.07   | 0.09  | C07-08          |
| Tonsil                       | 11        | 0.4       | 1.3                      | <b>1.6</b>   | 0.10                     | 0.18      | 7         | 0.3                      | 0.8       | <b>0.7</b>               | 0.05   | 0.05  | C09             |
| Other oropharynx             | 12        | 0.4       | 1.4                      | <b>1.8</b>   | 0.16                     | 0.24      | 4         | 0.2                      | 0.4       | <b>0.4</b>               | 0.03   | 0.03  | C10             |
| Nasopharynx                  | 4         | 0.1       | 0.5                      | <b>0.6</b>   | 0.06                     | 0.06      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 12        | 0.4       | 1.4                      | <b>1.9</b>   | 0.14                     | 0.29      | 2         | 0.1                      | 0.2       | <b>0.3</b>               | 0.03   | 0.03  | C12-13          |
| Pharynx unspecified          | 5         | 0.2       | 0.6                      | <b>0.8</b>   | 0.08                     | 0.08      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C14             |
| Oesophagus                   | 57        | 2.0       | 6.7                      | <b>9.2</b>   | 0.59                     | 1.08      | 22        | 0.9                      | 2.4       | <b>2.5</b>               | 0.19   | 0.28  | C15             |
| Stomach                      | 67        | 2.3       | 7.8                      | <b>11.6</b>  | 0.55                     | 1.53      | 48        | 1.9                      | 5.3       | <b>5.2</b>               | 0.21   | 0.51  | C16             |
| Small intestine              | 25        | 0.9       | 2.9                      | <b>4.3</b>   | 0.30                     | 0.52      | 19        | 0.8                      | 2.1       | <b>2.3</b>               | 0.19   | 0.26  | C17             |
| Colon                        | 199       | 6.8       | 23.3                     | <b>32.8</b>  | 1.80                     | 3.86      | 216       | 8.7                      | 24.0      | <b>25.6</b>              | 1.50   | 2.91  | C18             |
| Rectum                       | 63        | 2.2       | 7.4                      | <b>9.7</b>   | 0.55                     | 1.22      | 74        | 3.0                      | 8.2       | <b>8.6</b>               | 0.48   | 1.03  | C19-20          |
| Anus                         | 11        | 0.4       | 1.3                      | <b>1.4</b>   | 0.15                     | 0.15      | 14        | 0.6                      | 1.6       | <b>1.5</b>               | 0.09   | 0.15  | C21             |
| Liver                        | 88        | 3.0       | 10.3                     | <b>13.2</b>  | 1.12                     | 1.56      | 22        | 0.9                      | 2.4       | <b>2.4</b>               | 0.20   | 0.20  | C22             |
| Gallbladder etc.             | 16        | 0.5       | 1.9                      | <b>2.5</b>   | 0.15                     | 0.27      | 15        | 0.6                      | 1.7       | <b>1.6</b>               | 0.11   | 0.17  | C23-24          |
| Pancreas                     | 74        | 2.5       | 8.7                      | <b>12.5</b>  | 0.73                     | 1.53      | 70        | 2.8                      | 7.8       | <b>8.9</b>               | 0.54   | 1.19  | C25             |
| Nose, sinuses etc.           | 5         | 0.2       | 0.6                      | <b>1.0</b>   | 0.04                     | 0.16      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C30-31          |
| Larynx                       | 63        | 2.2       | 7.4                      | <b>11.2</b>  | 0.62                     | 1.57      | 14        | 0.6                      | 1.6       | <b>1.8</b>               | 0.18   | 0.20  | C32             |
| Trachea, bronchus and lung   | 528       | 18.1      | 61.8                     | <b>89.5</b>  | 4.88                     | 11.68     | 361       | 14.5                     | 40.2      | <b>44.4</b>              | 2.61   | 5.64  | C33-34          |
| Other thoracic organs        | 5         | 0.2       | 0.6                      | <b>0.8</b>   | 0.02                     | 0.09      | 4         | 0.2                      | 0.4       | <b>0.5</b>               | 0.02   | 0.08  | C37-38          |
| Bone                         | 6         | 0.2       | 0.7                      | <b>0.7</b>   | 0.05                     | 0.05      | 12        | 0.5                      | 1.3       | <b>1.3</b>               | 0.11   | 0.11  | C40-41          |
| Melanoma of skin             | 3         | 0.1       | 0.4                      | <b>0.5</b>   | 0.04                     | 0.07      | 11        | 0.4                      | 1.2       | <b>1.2</b>               | 0.05   | 0.12  | C43             |
| Other skin                   | 8         | 0.3       | 0.9                      | <b>1.3</b>   | 0.09                     | 0.13      | 7         | 0.3                      | 0.8       | <b>0.7</b>               | 0.05   | 0.05  | C44             |
| Mesothelioma                 | 3         | 0.1       | 0.4                      | <b>0.6</b>   | 0.05                     | 0.09      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C45             |
| Kaposi sarcoma               | 6         | 0.2       | 0.7                      | <b>0.7</b>   | 0.06                     | 0.06      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 16        | 0.5       | 1.9                      | <b>1.9</b>   | 0.12                     | 0.16      | 35        | 1.4                      | 3.9       | <b>4.1</b>               | 0.21   | 0.40  | C47+C49         |
| Breast                       | 13        | 0.4       | 1.5                      | <b>2.0</b>   | 0.08                     | 0.29      | 672       | 27.0                     | 74.8      | <b>79.2</b>              | 5.89   | 8.84  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 12        | 0.5                      | 1.3       | <b>1.4</b>               | 0.07   | 0.14  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 7         | 0.3                      | 0.8       | <b>0.7</b>               | 0.05   | 0.08  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 89        | 3.6                      | 9.9       | <b>10.0</b>              | 0.69   | 1.05  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 115       | 4.6                      | 12.8      | <b>15.0</b>              | 0.98   | 1.87  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 10        | 0.4                      | 1.1       | <b>1.3</b>               | 0.07   | 0.16  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 81        | 3.2                      | 9.0       | <b>9.6</b>               | 0.63   | 1.02  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.03  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 3         | 0.1       | 0.4                      | <b>0.4</b>   | 0.02                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 1016      | 34.8      | 118.8                    | <b>178.2</b> | 10.76                    | 24.07     |           |                          |           |                          |        |       | C61             |
| Testis                       | 10        | 0.3       | 1.2                      | <b>1.2</b>   | 0.08                     | 0.11      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 1         | 0.0       | 0.1                      | <b>0.2</b>   | 0.00                     | 0.05      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 111       | 3.8       | 13.0                     | <b>17.2</b>  | 1.24                     | 2.06      | 69        | 2.8                      | 7.7       | <b>8.5</b>               | 0.54   | 1.01  | C64             |
| Renal pelvis                 | 3         | 0.1       | 0.4                      | <b>0.4</b>   | 0.04                     | 0.04      | 2         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C65             |
| Ureter                       | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      | 2         | 0.1                      | 0.2       | <b>0.3</b>               | 0.00   | 0.06  | C66             |
| Bladder                      | 55        | 1.9       | 6.4                      | <b>9.1</b>   | 0.41                     | 1.14      | 30        | 1.2                      | 3.3       | <b>3.8</b>               | 0.20   | 0.48  | C67             |
| Other urinary organs         | 3         | 0.1       | 0.4                      | <b>0.5</b>   | 0.05                     | 0.05      | 4         | 0.2                      | 0.4       | <b>0.5</b>               | 0.04   | 0.08  | C68             |
| Eye                          | 4         | 0.1       | 0.5                      | <b>0.5</b>   | 0.03                     | 0.03      | 3         | 0.1                      | 0.3       | <b>0.3</b>               | 0.04   | 0.04  | C69             |
| Brain, nervous system        | 25        | 0.9       | 2.9                      | <b>3.4</b>   | 0.17                     | 0.34      | 28        | 1.1                      | 3.1       | <b>3.2</b>               | 0.21   | 0.30  | C70-72          |
| Thyroid                      | 13        | 0.4       | 1.5                      | <b>1.9</b>   | 0.12                     | 0.26      | 59        | 2.4                      | 6.6       | <b>6.5</b>               | 0.48   | 0.70  | C73             |
| Adrenal gland                | 4         | 0.1       | 0.5                      | <b>0.6</b>   | 0.03                     | 0.08      | 4         | 0.2                      | 0.4       | <b>0.5</b>               | 0.02   | 0.04  | C74             |
| Other endocrine              | 3         | 0.1       | 0.4                      | <b>0.3</b>   | 0.02                     | 0.02      | 3         | 0.1                      | 0.3       | <b>0.3</b>               | 0.02   | 0.02  | C75             |
| Hodgkin lymphoma             | 29        | 1.0       | 3.4                      | <b>3.6</b>   | 0.27                     | 0.35      | 18        | 0.7                      | 2.0       | <b>1.9</b>               | 0.12   | 0.15  | C81             |
| Non-Hodgkin lymphoma         | 73        | 2.5       | 8.5                      | <b>10.7</b>  | 0.77                     | 1.18      | 74        | 3.0                      | 8.2       | <b>9.1</b>               | 0.59   | 1.17  | C82-85,C96      |
| Immunoproliferative diseases | 1         | 0.0       | 0.1                      | <b>0.1</b>   | 0.02                     | 0.02      | 1         | 0.0                      | 0.1       | <b>0.2</b>               | 0.02   | 0.02  | C88             |
| Multiple myeloma             | 63        | 2.2       | 7.4                      | <b>10.7</b>  | 0.59                     | 1.49      | 55        | 2.2                      | 6.1       | <b>6.6</b>               | 0.33   | 0.81  | C90             |
| Lymphoid leukaemia           | 37        | 1.3       | 4.3                      | <b>6.0</b>   | 0.30                     | 0.72      | 29        | 1.2                      | 3.2       | <b>3.5</b>               | 0.19   | 0.34  | C91             |
| Myeloid leukaemia            | 35        | 1.2       | 4.1                      | <b>5.2</b>   | 0.23                     | 0.46      | 35        | 1.4                      | 3.9       | <b>3.9</b>               | 0.29   | 0.29  | C92-94          |
| Leukaemia unspecified        | 8         | 0.3       | 0.9                      | <b>1.4</b>   | 0.05                     | 0.10      | 5         | 0.2                      | 0.6       | <b>0.8</b>               | 0.00   | 0.14  | C95             |
| Myeloproliferative disorders | 12        | 0.4       | 1.4                      | <b>1.8</b>   | 0.15                     | 0.25      | 14        | 0.6                      | 1.6       | <b>2.0</b>               | 0.12   | 0.29  | MPD             |
| Myelodysplastic syndromes    | 9         | 0.3       | 1.1                      | <b>1.2</b>   | 0.08                     | 0.08      | 9         | 0.4                      | 1.0       | <b>1.0</b>               | 0.06   | 0.10  | MDS             |
| Other and unspecified        | 60        | 2.1       | 7.0                      | <b>10.0</b>  | 0.52                     | 1.31      | 81        | 3.2                      | 9.0       | <b>9.8</b>               | 0.44   | 1.16  | O&U             |
| All sites                    | 2929      |           | 342.6                    | <b>486.6</b> | 28.99                    | 62.18     | 2500      |                          | 278.2     | <b>298.3</b>             | 19.18  | 34.18 | C00-96          |
| All sites except C44         | 2921      | 100.0     | 341.7                    | <b>485.3</b> | 28.90                    | 62.05     | 2493      | 100.0                    | 277.4     | <b>297.5</b>             | 19.13  | 34.12 | C00-96 exc. C44 |

## USA, Wisconsin: White (2003-2007)

| SITE                         | Male      |           |                          |           |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 138       | 0.2       | 1.1                      | 0.7       | 0.03                     | 0.08      | 40        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C00             |
| Tongue                       | 574       | 0.8       | 4.6                      | 3.2       | 0.24                     | 0.40      | 249       | 0.4                      | 2.0       | 1.2                      | 0.09   | 0.15  | C01-02          |
| Mouth                        | 345       | 0.5       | 2.8                      | 1.9       | 0.12                     | 0.25      | 305       | 0.5                      | 2.4       | 1.4                      | 0.08   | 0.16  | C03-06          |
| Salivary glands              | 179       | 0.3       | 1.4                      | 1.0       | 0.06                     | 0.10      | 134       | 0.2                      | 1.1       | 0.7                      | 0.05   | 0.07  | C07-08          |
| Tonsil                       | 312       | 0.5       | 2.5                      | 1.8       | 0.15                     | 0.20      | 93        | 0.1                      | 0.7       | 0.5                      | 0.03   | 0.06  | C09             |
| Other oropharynx             | 120       | 0.2       | 1.0                      | 0.7       | 0.05                     | 0.08      | 49        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.03  | C10             |
| Nasopharynx                  | 76        | 0.1       | 0.6                      | 0.4       | 0.04                     | 0.05      | 22        | 0.0                      | 0.2       | 0.1                      | 0.01   | 0.01  | C11             |
| Hypopharynx                  | 202       | 0.3       | 1.6                      | 1.1       | 0.07                     | 0.13      | 59        | 0.1                      | 0.5       | 0.3                      | 0.01   | 0.03  | C12-13          |
| Pharynx unspecified          | 26        | 0.0       | 0.2                      | 0.2       | 0.01                     | 0.02      | 12        | 0.0                      | 0.1       | 0.1                      | 0.00   | 0.01  | C14             |
| Oesophagus                   | 1244      | 1.8       | 10.0                     | 6.4       | 0.36                     | 0.81      | 346       | 0.6                      | 2.7       | 1.4                      | 0.06   | 0.19  | C15             |
| Stomach                      | 997       | 1.5       | 8.0                      | 4.9       | 0.24                     | 0.57      | 591       | 0.9                      | 4.7       | 2.3                      | 0.11   | 0.25  | C16             |
| Small intestine              | 283       | 0.4       | 2.3                      | 1.5       | 0.08                     | 0.18      | 267       | 0.4                      | 2.1       | 1.2                      | 0.08   | 0.15  | C17             |
| Colon                        | 4534      | 6.7       | 36.4                     | 21.8      | 0.95                     | 2.50      | 5003      | 8.0                      | 39.6      | 17.5                     | 0.73   | 1.97  | C18             |
| Rectum                       | 2016      | 3.0       | 16.2                     | 10.3      | 0.57                     | 1.22      | 1420      | 2.3                      | 11.2      | 6.0                      | 0.33   | 0.69  | C19-20          |
| Anus                         | 113       | 0.2       | 0.9                      | 0.6       | 0.04                     | 0.06      | 228       | 0.4                      | 1.8       | 1.1                      | 0.08   | 0.12  | C21             |
| Liver                        | 895       | 1.3       | 7.2                      | 4.6       | 0.26                     | 0.57      | 454       | 0.7                      | 3.6       | 1.9                      | 0.09   | 0.22  | C22             |
| Gallbladder etc.             | 304       | 0.4       | 2.4                      | 1.4       | 0.06                     | 0.16      | 407       | 0.6                      | 3.2       | 1.4                      | 0.06   | 0.16  | C23-24          |
| Pancreas                     | 1608      | 2.4       | 12.9                     | 8.0       | 0.38                     | 0.99      | 1569      | 2.5                      | 12.4      | 5.9                      | 0.28   | 0.70  | C25             |
| Nose, sinuses etc.           | 113       | 0.2       | 0.9                      | 0.7       | 0.04                     | 0.07      | 69        | 0.1                      | 0.5       | 0.3                      | 0.02   | 0.04  | C30-31          |
| Larynx                       | 839       | 1.2       | 6.7                      | 4.4       | 0.25                     | 0.56      | 197       | 0.3                      | 1.6       | 1.0                      | 0.07   | 0.13  | C32             |
| Trachea, bronchus and lung   | 9341      | 13.8      | 75.0                     | 46.3      | 2.04                     | 5.87      | 7915      | 12.6                     | 62.7      | 34.6                     | 1.74   | 4.55  | C33-34          |
| Other thoracic organs        | 63        | 0.1       | 0.5                      | 0.4       | 0.03                     | 0.03      | 39        | 0.1                      | 0.3       | 0.2                      | 0.01   | 0.02  | C37-38          |
| Bone                         | 149       | 0.2       | 1.2                      | 1.1       | 0.07                     | 0.08      | 111       | 0.2                      | 0.9       | 0.7                      | 0.05   | 0.06  | C40-41          |
| Melanoma of skin             | 2567      | 3.8       | 20.6                     | 14.0      | 0.91                     | 1.55      | 2062      | 3.3                      | 16.3      | 11.6                     | 0.84   | 1.17  | C43             |
| Other skin                   | 171       | 0.2       | 1.4                      | 0.9       | 0.04                     | 0.09      | 130       | 0.2                      | 1.0       | 0.6                      | 0.04   | 0.07  | C44             |
| Mesothelioma                 | 301       | 0.4       | 2.4                      | 1.4       | 0.04                     | 0.18      | 101       | 0.2                      | 0.8       | 0.4                      | 0.02   | 0.05  | C45             |
| Kaposi sarcoma               | 21        | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      | 1         | 0.0                      | 0.0       | 0.0                      | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 457       | 0.7       | 3.7                      | 2.7       | 0.15                     | 0.24      | 385       | 0.6                      | 3.0       | 2.0                      | 0.13   | 0.21  | C47+C49         |
| Breast                       | 216       | 0.3       | 1.7                      | 1.1       | 0.06                     | 0.13      | 18020     | 28.7                     | 142.7     | 87.7                     | 6.04   | 10.23 | C50             |
| Vulva                        |           |           |                          |           |                          |           | 358       | 0.6                      | 2.8       | 1.3                      | 0.06   | 0.15  | C51             |
| Vagina                       |           |           |                          |           |                          |           | 73        | 0.1                      | 0.6       | 0.3                      | 0.02   | 0.04  | C52             |
| Cervix uteri                 |           |           |                          |           |                          |           | 761       | 1.2                      | 6.0       | 4.6                      | 0.37   | 0.45  | C53             |
| Corpus uteri                 |           |           |                          |           |                          |           | 3873      | 6.2                      | 30.7      | 19.6                     | 1.48   | 2.40  | C54             |
| Uterus unspecified           |           |           |                          |           |                          |           | 179       | 0.3                      | 1.4       | 0.8                      | 0.06   | 0.09  | C55             |
| Ovary                        |           |           |                          |           |                          |           | 2448      | 3.9                      | 19.4      | 12.0                     | 0.81   | 1.36  | C56             |
| Other female genital organs  |           |           |                          |           |                          |           | 83        | 0.1                      | 0.7       | 0.4                      | 0.02   | 0.05  | C57             |
| Placenta                     |           |           |                          |           |                          |           | 8         | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C58             |
| Penis                        | 97        | 0.1       | 0.8                      | 0.5       | 0.02                     | 0.06      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 19174     | 28.4      | 154.0                    | 102.7     | 5.47                     | 14.00     |           |                          |           |                          |        |       | C61             |
| Testis                       | 917       | 1.4       | 7.4                      | 7.0       | 0.51                     | 0.53      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 31        | 0.0       | 0.2                      | 0.1       | 0.00                     | 0.01      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 2506      | 3.7       | 20.1                     | 13.5      | 0.81                     | 1.64      | 1496      | 2.4                      | 11.9      | 7.2                      | 0.42   | 0.85  | C64             |
| Renal pelvis                 | 138       | 0.2       | 1.1                      | 0.7       | 0.03                     | 0.09      | 101       | 0.2                      | 0.8       | 0.3                      | 0.01   | 0.04  | C65             |
| Ureter                       | 97        | 0.1       | 0.8                      | 0.5       | 0.02                     | 0.05      | 86        | 0.1                      | 0.7       | 0.3                      | 0.01   | 0.04  | C66             |
| Bladder                      | 4690      | 6.9       | 37.7                     | 21.9      | 0.85                     | 2.54      | 1645      | 2.6                      | 13.0      | 6.1                      | 0.28   | 0.72  | C67             |
| Other urinary organs         | 30        | 0.0       | 0.2                      | 0.1       | 0.00                     | 0.02      | 12        | 0.0                      | 0.1       | 0.0                      | 0.00   | 0.01  | C68             |
| Eye                          | 133       | 0.2       | 1.1                      | 0.8       | 0.05                     | 0.08      | 110       | 0.2                      | 0.9       | 0.6                      | 0.04   | 0.06  | C69             |
| Brain, nervous system        | 1116      | 1.7       | 9.0                      | 7.1       | 0.44                     | 0.70      | 905       | 1.4                      | 7.2       | 5.4                      | 0.34   | 0.52  | C70-72          |
| Thyroid                      | 600       | 0.9       | 4.8                      | 3.6       | 0.26                     | 0.40      | 1763      | 2.8                      | 14.0      | 11.3                     | 0.87   | 1.04  | C73             |
| Adrenal gland                | 44        | 0.1       | 0.4                      | 0.4       | 0.02                     | 0.03      | 47        | 0.1                      | 0.4       | 0.4                      | 0.02   | 0.03  | C74             |
| Other endocrine              | 19        | 0.0       | 0.2                      | 0.1       | 0.01                     | 0.01      | 15        | 0.0                      | 0.1       | 0.1                      | 0.01   | 0.01  | C75             |
| Hodgkin lymphoma             | 511       | 0.8       | 4.1                      | 3.6       | 0.24                     | 0.30      | 475       | 0.8                      | 3.8       | 3.5                      | 0.24   | 0.28  | C81             |
| Non-Hodgkin lymphoma         | 3347      | 5.0       | 26.9                     | 17.4      | 0.95                     | 1.92      | 2981      | 4.8                      | 23.6      | 12.7                     | 0.70   | 1.45  | C82-85,C96      |
| Immunoproliferative diseases | 65        | 0.1       | 0.5                      | 0.3       | 0.01                     | 0.04      | 45        | 0.1                      | 0.4       | 0.2                      | 0.01   | 0.02  | C88             |
| Multiple myeloma             | 963       | 1.4       | 7.7                      | 4.7       | 0.21                     | 0.57      | 757       | 1.2                      | 6.0       | 3.1                      | 0.16   | 0.39  | C90             |
| Lymphoid leukaemia           | 1423      | 2.1       | 11.4                     | 8.3       | 0.40                     | 0.82      | 898       | 1.4                      | 7.1       | 4.9                      | 0.26   | 0.44  | C91             |
| Myeloid leukaemia            | 1065      | 1.6       | 8.6                      | 5.7       | 0.28                     | 0.62      | 831       | 1.3                      | 6.6       | 4.1                      | 0.23   | 0.42  | C92-94          |
| Leukaemia unspecified        | 146       | 0.2       | 1.2                      | 0.7       | 0.03                     | 0.07      | 136       | 0.2                      | 1.1       | 0.3                      | 0.01   | 0.03  | C95             |
| Myeloproliferative disorders | 429       | 0.6       | 3.4                      | 2.1       | 0.11                     | 0.25      | 447       | 0.7                      | 3.5       | 1.7                      | 0.07   | 0.19  | MPD             |
| Myelodysplastic syndromes    | 775       | 1.1       | 6.2                      | 3.4       | 0.09                     | 0.39      | 522       | 0.8                      | 4.1       | 1.7                      | 0.06   | 0.19  | MDS             |
| Other and unspecified        | 1256      | 1.9       | 10.1                     | 5.9       | 0.27                     | 0.65      | 1539      | 2.5                      | 12.2      | 5.7                      | 0.27   | 0.63  | O&U             |
| All sites                    | 67776     |           | 544.4                    | 354.7     | 18.41                    | 42.96     | 62872     |                          | 498.0     | 291.3                    | 17.90  | 33.41 | C00-96          |
| All sites except C44         | 67605     | 100.0     | 543.1                    | 353.8     | 18.37                    | 42.87     | 62742     | 100.0                    | 497.0     | 290.7                    | 17.86  | 33.35 | C00-96 exc. C44 |



# USA, Wyoming

## REGISTRATION AREA

The Wyoming Cancer Surveillance Program (WCSP) is a statewide population-based cancer registry that covers the population of the state of Wyoming, which is estimated at 564 000. Almost the entire state is considered to be rural/frontier, except Laramie and Natrona counties; 17 counties (home to 47% of the population) have fewer than six residents per square mile and are considered frontier. The population of Wyoming is 93% White. Native Americans are the next largest racial group, accounting for 2.6% of the population.

## CANCER CARE FACILITIES

Health care facilities involved in the diagnosis and/or treatment of cancer patients include hospitals, radiation oncology centres, cancer centres, physicians' offices, and outpatient surgical centres.

## REGISTRY STRUCTURE AND METHODS

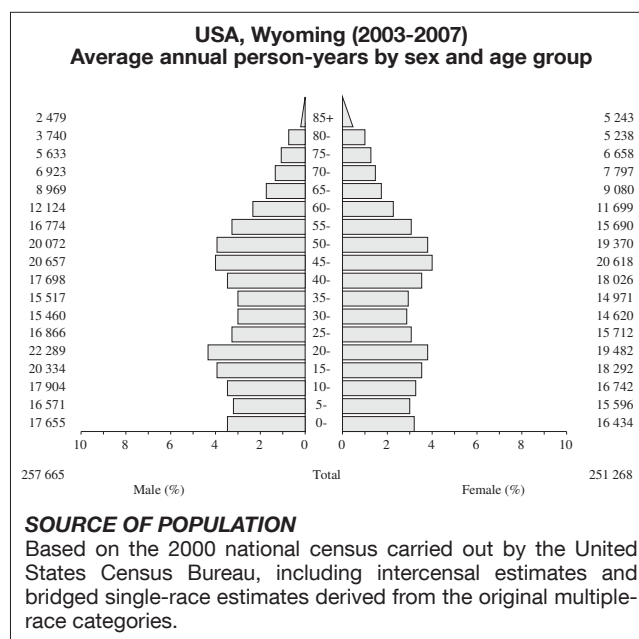
The WCSP's mission is to maintain a nationally comparable population-based cancer incidence, follow-up, treatment, and mortality monitoring system that collects, analyses, and disseminates information on all new cancer cases in Wyoming. The WCSP has been in operation since 1966 and has collected cancer data on all cancer cases diagnosed or treated in Wyoming since 1962. The registry monitors cancer incidence through pathology reports and uniform reporting of information by health care providers in Wyoming. In 1977, a law was passed requiring reporting by all entities detecting, diagnosing, and treating cancer cases in Wyoming: Statute 35-1-240(b) and Public Law 102-515.

## USE OF THE DATA

The WCSP produces an annual report on cancer in Wyoming. Registry data are also used for flyers and data briefs by the Wyoming Breast and Cervical Cancer Early Detection Program (WBCCEDP), the Wyoming Colorectal Cancer Screening Program (WCCSP), and the Wyoming Comprehensive Cancer Control Program (WCCCP).

## CONTRIBUTORS

Julia Espinoza  
Joe Grandpre



## 10 MAJOR CANCERS, ASR (WORLD) PER 100 000

| Male                       |       | Female                     |       |
|----------------------------|-------|----------------------------|-------|
| Prostate                   | 116.2 | Breast                     | 82.5  |
| Trachea, bronchus and lung | 38.6  | Trachea, bronchus and lung | 31.8  |
| Bladder                    | 24.2  | Colon                      | 19.2  |
| Colon                      | 21.6  | Thyroid                    | 17.2  |
| Melanoma of skin           | 15.3  | Corpus uteri               | 14.0  |
| Non-Hodgkin lymphoma       | 14.8  | Melanoma of skin           | 13.7  |
| Kidney                     | 12.7  | Non-Hodgkin lymphoma       | 10.6  |
| Rectum                     | 10.0  | Ovary                      | 9.9   |
| Pancreas                   | 6.5   | Rectum                     | 7.1   |
| Lymphoid leukaemia         | 6.1   | Cervix uteri               | 7.0   |
| All sites                  | 344.3 | All sites                  | 275.3 |

## USA, Wyoming (2003-2007)

| SITE                         | Male      |           |                          |              |                          | Female    |           |                          |           |                          | ICD-10 |       |                 |
|------------------------------|-----------|-----------|--------------------------|--------------|--------------------------|-----------|-----------|--------------------------|-----------|--------------------------|--------|-------|-----------------|
|                              | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world    | Cum. rates 0-64 0-74 (%) | No. cases | Freq. (%) | Crude rate (per 100,000) | ASR world | Cum. rates 0-64 0-74 (%) |        |       |                 |
| Lip                          | 33        | 0.5       | 2.6                      | <b>1.5</b>   | 0.05                     | 0.13      | 10        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C00             |
| Tongue                       | 37        | 0.6       | 2.9                      | <b>1.9</b>   | 0.16                     | 0.19      | 24        | 0.4                      | 1.9       | <b>1.3</b>               | 0.07   | 0.15  | C01-02          |
| Mouth                        | 41        | 0.6       | 3.2                      | <b>2.3</b>   | 0.14                     | 0.27      | 16        | 0.3                      | 1.3       | <b>0.7</b>               | 0.03   | 0.07  | C03-06          |
| Salivary glands              | 16        | 0.3       | 1.2                      | <b>0.7</b>   | 0.04                     | 0.05      | 12        | 0.2                      | 1.0       | <b>0.6</b>               | 0.04   | 0.05  | C07-08          |
| Tonsil                       | 36        | 0.6       | 2.8                      | <b>2.0</b>   | 0.17                     | 0.22      | 10        | 0.2                      | 0.8       | <b>0.5</b>               | 0.03   | 0.06  | C09             |
| Other oropharynx             | 7         | 0.1       | 0.5                      | <b>0.3</b>   | 0.03                     | 0.03      | 3         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C10             |
| Nasopharynx                  | 2         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.02      | 8         | 0.1                      | 0.6       | <b>0.3</b>               | 0.01   | 0.03  | C11             |
| Hypopharynx                  | 5         | 0.1       | 0.4                      | <b>0.3</b>   | 0.03                     | 0.03      | 4         | 0.1                      | 0.3       | <b>0.2</b>               | 0.03   | 0.03  | C12-13          |
| Pharynx unspecified          | 3         | 0.0       | 0.2                      | <b>0.2</b>   | 0.01                     | 0.03      | 3         | 0.1                      | 0.2       | <b>0.2</b>               | 0.00   | 0.03  | C14             |
| Oesophagus                   | 116       | 1.8       | 9.0                      | <b>6.1</b>   | 0.25                     | 0.80      | 22        | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.16  | C15             |
| Stomach                      | 83        | 1.3       | 6.4                      | <b>4.3</b>   | 0.22                     | 0.51      | 53        | 1.0                      | 4.2       | <b>2.2</b>               | 0.13   | 0.23  | C16             |
| Small intestine              | 26        | 0.4       | 2.0                      | <b>1.3</b>   | 0.07                     | 0.14      | 18        | 0.3                      | 1.4       | <b>1.0</b>               | 0.07   | 0.12  | C17             |
| Colon                        | 427       | 6.7       | 33.1                     | <b>21.6</b>  | 0.95                     | 2.48      | 422       | 7.9                      | 33.6      | <b>19.2</b>              | 0.82   | 2.40  | C18             |
| Rectum                       | 187       | 2.9       | 14.5                     | <b>10.0</b>  | 0.63                     | 1.16      | 146       | 2.7                      | 11.6      | <b>7.1</b>               | 0.44   | 0.77  | C19-20          |
| Anus                         | 14        | 0.2       | 1.1                      | <b>0.7</b>   | 0.03                     | 0.10      | 22        | 0.4                      | 1.8       | <b>1.1</b>               | 0.08   | 0.12  | C21             |
| Liver                        | 74        | 1.2       | 5.7                      | <b>4.0</b>   | 0.25                     | 0.49      | 38        | 0.7                      | 3.0       | <b>1.7</b>               | 0.07   | 0.18  | C22             |
| Gallbladder etc.             | 28        | 0.4       | 2.2                      | <b>1.4</b>   | 0.08                     | 0.17      | 29        | 0.5                      | 2.3       | <b>1.1</b>               | 0.07   | 0.08  | C23-24          |
| Pancreas                     | 131       | 2.0       | 10.2                     | <b>6.5</b>   | 0.32                     | 0.80      | 133       | 2.5                      | 10.6      | <b>6.0</b>               | 0.26   | 0.78  | C25             |
| Nose, sinuses etc.           | 10        | 0.2       | 0.8                      | <b>0.6</b>   | 0.05                     | 0.07      | 6         | 0.1                      | 0.5       | <b>0.4</b>               | 0.03   | 0.05  | C30-31          |
| Larynx                       | 72        | 1.1       | 5.6                      | <b>3.9</b>   | 0.21                     | 0.45      | 19        | 0.4                      | 1.5       | <b>0.9</b>               | 0.07   | 0.10  | C32             |
| Trachea, bronchus and lung   | 738       | 11.5      | 57.3                     | <b>38.6</b>  | 1.69                     | 5.11      | 669       | 12.5                     | 53.2      | <b>31.8</b>              | 1.45   | 4.14  | C33-34          |
| Other thoracic organs        | 5         | 0.1       | 0.4                      | <b>0.3</b>   | 0.01                     | 0.03      | 4         | 0.1                      | 0.3       | <b>0.2</b>               | 0.01   | 0.02  | C37-38          |
| Bone                         | 16        | 0.3       | 1.2                      | <b>1.2</b>   | 0.08                     | 0.08      | 12        | 0.2                      | 1.0       | <b>0.9</b>               | 0.06   | 0.06  | C40-41          |
| Melanoma of skin             | 275       | 4.3       | 21.3                     | <b>15.3</b>  | 1.00                     | 1.67      | 234       | 4.4                      | 18.6      | <b>13.7</b>              | 0.93   | 1.47  | C43             |
| Other skin                   | 27        | 0.4       | 2.1                      | <b>1.5</b>   | 0.08                     | 0.15      | 13        | 0.2                      | 1.0       | <b>0.5</b>               | 0.02   | 0.05  | C44             |
| Mesothelioma                 | 36        | 0.6       | 2.8                      | <b>1.7</b>   | 0.11                     | 0.20      | 2         | 0.0                      | 0.2       | <b>0.1</b>               | 0.00   | 0.02  | C45             |
| Kaposi sarcoma               | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.01      | 0         | 0.0                      | 0.0       | <b>0.0</b>               | 0.00   | 0.00  | C46             |
| Connective and soft tissue   | 52        | 0.8       | 4.0                      | <b>3.0</b>   | 0.18                     | 0.32      | 21        | 0.4                      | 1.7       | <b>1.2</b>               | 0.07   | 0.11  | C47+C49         |
| Breast                       | 8         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.06      | 1576      | 29.5                     | 125.4     | <b>82.5</b>              | 5.63   | 9.86  | C50             |
| Vulva                        |           |           |                          |              |                          |           | 27        | 0.5                      | 2.1       | <b>1.3</b>               | 0.08   | 0.13  | C51             |
| Vagina                       |           |           |                          |              |                          |           | 11        | 0.2                      | 0.9       | <b>0.7</b>               | 0.05   | 0.06  | C52             |
| Cervix uteri                 |           |           |                          |              |                          |           | 106       | 2.0                      | 8.4       | <b>7.0</b>               | 0.56   | 0.65  | C53             |
| Corpus uteri                 |           |           |                          |              |                          |           | 265       | 5.0                      | 21.1      | <b>14.0</b>              | 0.98   | 1.75  | C54             |
| Uterus unspecified           |           |           |                          |              |                          |           | 12        | 0.2                      | 1.0       | <b>0.8</b>               | 0.06   | 0.08  | C55             |
| Ovary                        |           |           |                          |              |                          |           | 191       | 3.6                      | 15.2      | <b>9.9</b>               | 0.69   | 1.14  | C56             |
| Other female genital organs  |           |           |                          |              |                          |           | 5         | 0.1                      | 0.4       | <b>0.2</b>               | 0.02   | 0.02  | C57             |
| Placenta                     |           |           |                          |              |                          |           | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.01   | 0.01  | C58             |
| Penis                        | 11        | 0.2       | 0.9                      | <b>0.6</b>   | 0.04                     | 0.07      |           |                          |           |                          |        |       | C60             |
| Prostate                     | 2171      | 33.9      | 168.5                    | <b>116.2</b> | 5.87                     | 15.97     |           |                          |           |                          |        |       | C61             |
| Testis                       | 74        | 1.2       | 5.7                      | <b>5.7</b>   | 0.42                     | 0.42      |           |                          |           |                          |        |       | C62             |
| Other male genital organs    | 0         | 0.0       | 0.0                      | <b>0.0</b>   | 0.00                     | 0.00      |           |                          |           |                          |        |       | C63             |
| Kidney                       | 232       | 3.6       | 18.0                     | <b>12.7</b>  | 0.78                     | 1.54      | 124       | 2.3                      | 9.9       | <b>6.5</b>               | 0.39   | 0.77  | C64             |
| Renal pelvis                 | 15        | 0.2       | 1.2                      | <b>0.8</b>   | 0.02                     | 0.11      | 4         | 0.1                      | 0.3       | <b>0.1</b>               | 0.00   | 0.01  | C65             |
| Ureter                       | 3         | 0.0       | 0.2                      | <b>0.2</b>   | 0.00                     | 0.03      | 4         | 0.1                      | 0.3       | <b>0.2</b>               | 0.02   | 0.02  | C66             |
| Bladder                      | 484       | 7.6       | 37.6                     | <b>24.2</b>  | 1.00                     | 2.89      | 130       | 2.4                      | 10.3      | <b>5.5</b>               | 0.29   | 0.62  | C67             |
| Other urinary organs         | 4         | 0.1       | 0.3                      | <b>0.2</b>   | 0.01                     | 0.02      | 2         | 0.0                      | 0.2       | <b>0.0</b>               | 0.00   | 0.00  | C68             |
| Eye                          | 9         | 0.1       | 0.7                      | <b>0.6</b>   | 0.02                     | 0.05      | 11        | 0.2                      | 0.9       | <b>0.7</b>               | 0.04   | 0.07  | C69             |
| Brain, nervous system        | 98        | 1.5       | 7.6                      | <b>6.1</b>   | 0.40                     | 0.58      | 76        | 1.4                      | 6.0       | <b>4.7</b>               | 0.30   | 0.42  | C70-72          |
| Thyroid                      | 66        | 1.0       | 5.1                      | <b>3.9</b>   | 0.27                     | 0.46      | 266       | 5.0                      | 21.2      | <b>17.2</b>              | 1.24   | 1.75  | C73             |
| Adrenal gland                | 6         | 0.1       | 0.5                      | <b>0.4</b>   | 0.03                     | 0.03      | 3         | 0.1                      | 0.2       | <b>0.2</b>               | 0.01   | 0.02  | C74             |
| Other endocrine              | 2         | 0.0       | 0.2                      | <b>0.1</b>   | 0.01                     | 0.01      | 1         | 0.0                      | 0.1       | <b>0.1</b>               | 0.00   | 0.00  | C75             |
| Hodgkin lymphoma             | 46        | 0.7       | 3.6                      | <b>3.2</b>   | 0.22                     | 0.26      | 31        | 0.6                      | 2.5       | <b>2.3</b>               | 0.15   | 0.19  | C81             |
| Non-Hodgkin lymphoma         | 274       | 4.3       | 21.3                     | <b>14.8</b>  | 0.80                     | 1.74      | 220       | 4.1                      | 17.5      | <b>10.6</b>              | 0.64   | 1.22  | C82-85,C96      |
| Immunoproliferative diseases | 2         | 0.0       | 0.2                      | <b>0.1</b>   | 0.00                     | 0.00      | 2         | 0.0                      | 0.2       | <b>0.2</b>               | 0.01   | 0.01  | C88             |
| Multiple myeloma             | 72        | 1.1       | 5.6                      | <b>3.6</b>   | 0.18                     | 0.42      | 51        | 1.0                      | 4.1       | <b>2.3</b>               | 0.10   | 0.32  | C90             |
| Lymphoid leukaemia           | 99        | 1.5       | 7.7                      | <b>6.1</b>   | 0.35                     | 0.60      | 56        | 1.0                      | 4.5       | <b>3.4</b>               | 0.17   | 0.38  | C91             |
| Myeloid leukaemia            | 66        | 1.0       | 5.1                      | <b>3.7</b>   | 0.22                     | 0.35      | 40        | 0.7                      | 3.2       | <b>2.0</b>               | 0.13   | 0.25  | C92-94          |
| Leukaemia unspecified        | 8         | 0.1       | 0.6                      | <b>0.4</b>   | 0.02                     | 0.04      | 5         | 0.1                      | 0.4       | <b>0.2</b>               | 0.01   | 0.01  | C95             |
| Myeloproliferative disorders | 30        | 0.5       | 2.3                      | <b>1.6</b>   | 0.04                     | 0.23      | 22        | 0.4                      | 1.8       | <b>1.1</b>               | 0.06   | 0.11  | MPD             |
| Myelodysplastic syndromes    | 37        | 0.6       | 2.9                      | <b>1.8</b>   | 0.04                     | 0.23      | 26        | 0.5                      | 2.1       | <b>1.0</b>               | 0.03   | 0.11  | MDS             |
| Other and unspecified        | 107       | 1.7       | 8.3                      | <b>5.5</b>   | 0.29                     | 0.61      | 137       | 2.6                      | 10.9      | <b>5.9</b>               | 0.28   | 0.71  | O&U             |
| All sites                    | 6425      |           | 498.7                    | <b>344.3</b> | 17.90                    | 42.42     | 5358      |                          | 426.5     | <b>275.3</b>             | 16.78  | 32.07 | C00-96          |
| All sites except C44         | 6398      | 100.0     | 496.6                    | <b>342.7</b> | 17.82                    | 42.28     | 5345      | 100.0                    | 425.4     | <b>274.7</b>             | 16.76  | 32.02 | C00-96 exc. C44 |