Chapter 21

Cancer survival in Incheon, Republic of Korea, 1997–2001

Woo ZH, Hong YC, Kim WC and Pu YK

Abstract

The Incheon cancer registry was established in 1997. Cancer is not a notifiable disease, hence registration of cases is done by active methods. The registry contributed survival data for 42 cancer sites or types registered during 1997–2001. The follow-up information has been obtained predominantly by passive methods, with median follow-up ranging between 1–44 months for various cancers. The proportion with histologically verified diagnosis for different cancers ranged between 16–100%; death certificates only (DCOs) comprised 0–51%; 49–100% of total registered cases were included for the survival analysis. The top-ranking cancers on 5-year agestandardized relative survival rates were testis (98%), thyroid (90%), ureter (87%), adrenal gland (86%), non-melanoma skin (83%), corpus uteri (82%), Hodgkin lymphoma (81%), breast and cervix (74%). Five-year relative survival by age group showed a decreasing trend with increasing age groups for cancers of the stomach, small intestine, colon, gall bladder, larynx, lung, breast, cervix and ovary, and was fluctuating for other cancers.

Incheon cancer registry

The Incheon cancer registry was established in October 1997 at the College of Medicine, Inha University, Incheon. Data collection on incident cancer cases started retrospectively to include cases from the beginning of 1997. The registry is rather new, and its data were included in volume IX of the quinquennial IARC publication Cancer Incidence in Five Continents. [1] Cancer is not a notifiable disease, hence registration of cases is done by active methods. The principal sources of information on cancer cases are the records in more than 100 medical institutions, comprising hospitals in public and private sectors, pathology laboratories, radiation and imaging centres in and around Incheon. The registry covers an area of 986 km² and caters to an entirely urban population of about 2.6 million with a sex ratio of 980 females to 1000 males in 2004. The average annual age-standardized incidence rate (ASR) is 265 per 100 000 among males and 165 per 100 000 among females, with a lifetime cumulative risk of one in 4 of developing cancer in the period 1997-2002. The common age-standardized incidence rate of cancers among males are stomach (62), lung (50) and liver (37), and among females are breast (25), stomach (23) and cervix (20).

The registry is contributing data on survival from 42 cancer sites or types registered during 1997–2001 for the first time in this volume of IARC publication on Cancer Survival in Africa, Asia, the Caribbean and Central America.

Data quality indices (Table 1)

The proportion of cases with histologically verified cancer diagnosis in the series is 71%, varying from 16% (cancer of the uterus unspecified) to 100% (Hodgkin lymphoma). The frequency of cases registered on the basis of a death certificate only (DCOs) is 8%, ranging between nil in many cancers and 51% in uterus unspecified cancer. Cases excluded without any follow-up are negligible. Thus, 49–100% of the total cases registered are included in the estimation of the survival probability.

Outcome of follow-up (Table 2)

been Follow-up information has obtained predominantly by passive methods. These included obtaining cancer mortality information from the death certificates in vital statistics section. The mortality data are periodically matched with the incident cancer database using the national identity number. The vital status of the unmatched incident cases is also ascertained by review of medical charts. However, all incident cases for whom death information is not available were presumed to be alive on the last date of the year for which the mortality data are fully utilized for matching.

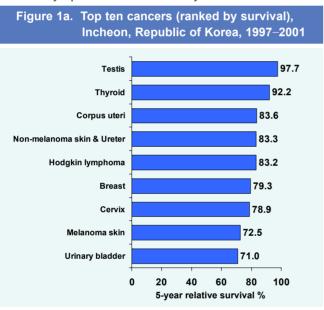
The closing date of follow-up was 31st December 2002. The median follow-up ranged from 1 month in unspecified uterus cancer to 44 months for Hodgkin lymphoma.



Survival statistics

All ages and both sexes together (Table 3)

The top-ranking cancers on 5-year relative survival are testis (98%), thyroid (92%), corpus uteri (84%), non-melanoma skin and ureter (83%). The lowest survival rate is encountered with pancreatic cancer (12%) preceded by unspecified uterus (15%), liver (16%), lung (18%) and gall bladder (20%). Salivary gland (69%) and nasopharynx (56%), among other head and neck cancers and colon and rectum (55%), among gastrointestinal cancers, have higher survival than others. Survival from cancers of the urinary system is 71% in urinary bladder and 67% for kidney. Hodgkin lymphoma had a better survival (83%) than non-Hodgkin (54%). The survival figures for leukaemias are 51% for lymphoid and 40% for myeloid.



The 5-year age-standardized relative survival (ASRS) probability for all ages together is generally less than or similar to the corresponding unadjusted one for a majority of cancers. Also, the 5-year ASRS (0–74 years of age) is generally higher than or similar to the corresponding ASRS (all ages) for a majority of cancers.

Sex Male (Table 4a)

The 5-year relative survival is distinctly higher in cancers of the tongue, other thoracic organs, non-melanoma skin, peritoneum, ureter, bladder and Hodgkin lymphoma among males than females.

Female (Table 4a)

The 5-year relative survival estimates for cancers of the breast, cervix and ovary are 79%, 79% and 60%,

respectively. The survival is notably higher among females than males in cancers of the oral cavity, salivary gland, tonsil, nasopharynx, hypopharynx, small intestine, nose/sinuses, skin melanoma, adrenal gland, non-Hodgkin lymphoma, multiple myeloma and myeloid leukaemia.

Figure 1b. Top five cancers (ranked by survival), Male, Incheon, Republic of Korea, 1997–2001

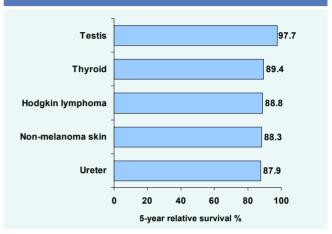
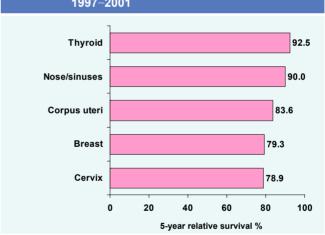


Figure 1c. Top five cancers (ranked by survival),
Female, Busan, Republic of Korea,
1997–2001



Age group (Table 4b)

The 5-year relative survival by age group reveals an inverse relationship: a decreasing survival with increasing age at diagnosis in cancers of the stomach, small intestine, colon, gall bladder, larynx, lung, breast, cervix and ovary. For other cancers, no pattern on the survival by age group is forthcoming.

References

1. Curado MP, Edwards B, Shin HR, Storm H, Ferlay J, Heanue M and Boyle P. *Cancer Incidence in Five Continents, Vol. IX : IARC Scientific Publications No.* 160. IARCPress, Lyon, IARC.



Table 1. Data quality indices - Proportion of histologically verified and death certificate only cases, number and proportion of included and excluded cases by site: Incheon, Republic of Korea, 1997–2001 cases followed-up until 2002

Tongue	Site	ICD-10	Total	%			Excl		Included cases			
Oral cavity C03-06 76 78.9 15.8 12 0 0 12 15.8 64 84.2 Salivary gland C07-08 51 78.4 3.9 22 0 0 2 3.9 44 96.1 Tonsil C09 27 85.2 0.0 0			registered	HV	DCO	DCO	Follow-up	Others	Total	%	No.	%
Salivary gland C07-08	Tongue	C01-02	52	86.5	3.8	2	0	0	2	3.8	50	96.2
Tonsi	Oral cavity	C03-06	76	78.9	15.8	12	0	0	12	15.8	64	84.2
Nasopharynx	Salivary gland	C07-08	51	78.4	3.9	2	0	0	2	3.9	49	96.1
Hypophanymx C12-13 51 78.4 0.0 0 0 0 0 51 310 87.6 87.8 78.2 12.1 42 1 0 43 12.4 304 87.6 87.0 87.5 15.3 389 2 9 400 8.5 423 91.5 57.8 11.20 92.2 10.0 8.5 42.3 19.20 11.20 92.2 20.0 1.7 94 1 0 95 7.8 11.20 92.2 2.0 10.1 12.8 1.0 0 1 5.6 11.20 92.2 2.0 1.0 0 1 4 34.4 3.9 1.12 96.1 1.0 0 0 7.4 12.8 50.6 87.2 1.0 0 0 7.0 10.2 2.0 0 0 7.0 10.2 2.0 80.2 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	Tonsil	C09	27	85.2	0.0	0	0	0	0	0.0	27	100.0
New Part	Nasopharynx	C11	74	91.9	0.0	0	0	0	0	0.0	74	100.0
Stomach C16 4 693 81.2 8.3 389 2 9 400 8.5 4 293 94.2 Small Intestine C17 86 86.0 4.7 4 0 1 5 5.8 81 94.2 Colon C18 1 215 86.0 4.7 94 0 0 95 5.8 81 1942 Rectum C19-20 1 128 86.0 7.7 94 0 0 95 87.8 1122 96.1 Gall bladder C22-2 2 672 20.9 12.7 339 1 4 344 12.9 23.8 87.1 Bande C22-2 2 625 32.8 17.1 107 0 0 7 12.8 500 87.2 Bances G30-31 52 86.5 3.8 2 0 0 2 3.8 60 96.2 Larynx C32 247 76.9 10.1 <td>Hypopharynx</td> <td>C12-13</td> <td>51</td> <td>78.4</td> <td>0.0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0.0</td> <td>51</td> <td>100.0</td>	Hypopharynx	C12-13	51	78.4	0.0	0	0	0	0	0.0	51	100.0
Small intestine C17 86 86.0 4.7 4 0 1 5 5.8 81 92.2 Colon C18 1 215 80.0 7.7 94 1 0 95 7.8 1 120 92.2 Rectum C19-20 1 676 80.7 3.9 45 0 1 46 42.9 22.28 87.1 Gall bladder C23-24 580 51.6 12.8 7.4 0 0 74 12.8 506 87.2 Pancreas C25 625 32.8 17.1 107 0 0 7.1 12.8 66 87.2 Larynx C30-34 2974 65.8 83.8 2 0 0 2 10.1 222 89.9 Lung C33-34 2974 63.8 13.6 49 1 0 10 15.2 66 86.7 Bone C40-41 115 71.3 7.8<	Oesophagus	C15	347	75.2	12.1	42	1	0	43	12.4	304	87.6
Colon	Stomach	C16	4 693	81.2	8.3	389	2	9	400	8.5	4 293	91.5
Recturm	Small intestine	C17	86	86.0	4.7	4	0	1	5	5.8	81	94.2
Liver C22 2 672 20.9 12.7 33.9 1 4 344 12.9 2 328 87.1 C31 Bladder C23-24 580 51.6 12.8 74 0 0 0 74 12.8 50.6 87.2 C31 C31 C32 C32-24 580 51.6 12.8 74 0 0 0 107 17.1 518 82.2 C32-247 76.9 10.1 25 0 0 0 25 10.1 222 89.9 C33-34 2 974 63.8 13.6 405 0 3 408 13.7 2 566 86.3 C34 C33-34 2 974 63.8 13.6 405 0 0 0 10 15.2 56 68.3 C31 C33-34 2 974 63.8 13.6 9 0 0 0 10 15.2 56 68.3 C34 C34-14 115 71.3 7.8 9 0 0 2 11 9.6 104 90.4 C33-34 2 974 63.8 13.6 9 0 0 0 0 0 0 0 0 0	Colon	C18	1 215	80.1	7.7	94	1	0	95	7.8	1 120	92.2
Gall bladder C23-24 580 51.6 12.8 74 0 0 74 12.8 506 87.2 Pancreas C25 625 32.8 17.1 107 0 0 107 17.1 518 82.9 Nose/Sinuses C30-31 52 86.5 33.8 2 0 0 2 33.8 50 96.2 Lung C33-34 2 974 66.3 13.6 405 0 3 408 13.7 2 566 86.8 Other thoracic organs C37-38 66 66.7 13.6 9 1 0 10 15.2 56 84.8 Bone C40-41 115 71.3 7.8 9 0 0 0 15.2 56 84.8 Bone C44 276 89.1 4.3 12 0 0 0 0 14 90.4 Other skin C44 276 68.1 <	Rectum	C19-20	1 168	86.7	3.9	45	0	1	46	3.9	1 122	96.1
Pancreas C25 625 32.8 17.1 107 0 0 107 17.1 518 82.9 Nose/Sinuses C30-31 52 86.5 3.8 2 0 0 2 3.8 50 96.2 Larynx C32 247 76.9 10.1 25 0 0 25 10.1 222 289.9 Lung C33-34 2.974 63.8 13.6 405 0 0 10 15.2 566 84.8 Bone C40-41 115 71.3 7.8 9 0 2 11 9.6 104 90.4 Melanoma of skin C43 45 95.6 0.0 0 0 0 0 45.5 60.4 90.4 Other skin C44 276 89.1 4.3 12 0 0 12 4.3 264 95.7 Connective fissue C47+C49 13 88.4 <	Liver	C22	2 672	20.9	12.7	339	1	4	344	12.9	2 328	87.1
Nose/Sinuses	Gall bladder	C23-24	580	51.6	12.8	74	0	0	74	12.8	506	87.2
Larynx C32 247 76.9 10.1 25 0 0 25 10.1 222 89.9 Lung C33-34 2974 63.8 13.6 405 0 3 408 13.7 2566 86.3 Other thoracic organs C37-38 66 66.7 13.6 9 1 0 10 15.2 56 84.8 Bone C40-41 115 71.3 7.8 9 0 2 11 9.6 104 90.4 Melanoma of skin C43 45 95.6 0.0 0 0 0 0 0 43 224 195.7 Combiting itsis C44 276 88.1 4.3 12 0 0 12 4.3 264 95.7 Connective tissue C47+C49 138 88.4 2.2 3 0 0 0 3 2.2 135 97.8 Breattinsen C55	Pancreas	C25	625	32.8	17.1	107	0	0	107	17.1	518	82.9
Lung C33-34 2 974 63.8 13.6 405 0 3 408 13.7 2 566 84.8 Other thoracic organs C37-38 66 66.7 13.6 9 1 0 10 15.2 56 84.8 Bone C40-41 115 71.3 7.8 9 0 2 11 9.6 104 90.4 Melanoma of skin C43 45 95.6 0.0 0 0 0 0 0 0 0 45 100.0 9.7 2 11 9.6 104 9.7 100.0 10 0 <td>Nose/Sinuses</td> <td>C30-31</td> <td>52</td> <td>86.5</td> <td>3.8</td> <td>2</td> <td>0</td> <td>0</td> <td>2</td> <td>3.8</td> <td>50</td> <td>96.2</td>	Nose/Sinuses	C30-31	52	86.5	3.8	2	0	0	2	3.8	50	96.2
Other thoracic organs C37-38 66 66.7 13.6 9 1 0 10 15.2 56 84.8 Bone C40-41 115 71.3 7.8 9 0 2 11 9.6 104 90.4 Melanoma of skin C43 45 95.6 0.0 0 0 0 0 0 0 45 100.0 Other skin C44 276 89.1 4.3 12 0 0 12 4.3 264 95.7 Connective tissue C47+C49 138 88.4 2.2 3 0 0 3 2.2 135 97.8 Perittoneum C48 57 63.2 5.3 3 0 0 4 4 74.7 4 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7	Larynx	C32	247	76.9	10.1	25	0	0	25	10.1	222	89.9
Bone C40-41 115 71.3 7.8 9 0 2 11 9.6 104 90.4 Melanoma of skin C43 45 95.6 0.0 0 0 0 0 0 45 100.0 Other skin C44 276 89.1 4.3 12 0 0 12 4.3 264 95.7 Connective tissue C47+C49 138 88.4 2.2 3 0 0 3 5.3 54 94.7 Breast C50 1 505 90.8 3.9 59 1 0 60 4.0 1445 96.0 Cervix C53 1 334 90.4 2.3 31 1 4 36 2.7 1298 97.3 Cervix C53 1 34 90.4 2.3 31 1 4 36 2.7 1298 97.3 Cervix C53 43 95.0 0 <t< td=""><td>Lung</td><td>C33-34</td><td>2 974</td><td>63.8</td><td>13.6</td><td>405</td><td>0</td><td>3</td><td>408</td><td>13.7</td><td>2 566</td><td>86.3</td></t<>	Lung	C33-34	2 974	63.8	13.6	405	0	3	408	13.7	2 566	86.3
Melanoma of skin C43 45 95.6 0.0 0 0 0 0 0 45 100.0 Other skin C44 276 89.1 4.3 12 0 0 12 4.3 264 95.7 Connective tissue C47+C49 138 88.4 2.2 3 0 0 3 2.2 135 97.8 Peritoneum C48 57 63.2 5.3 3 0 0 3 5.3 54 94.7 Breast C50 1 505 90.8 3.9 59 1 0 60 4.0 1445 96.0 Cervix C53 1 334 90.4 2.3 31 1 4 36 2.7 1 298 97.3 Corpus uteri C54 140 95.0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other thoracic organs	C37-38	66	66.7	13.6	9	1	0	10	15.2	56	84.8
Other skin C44 276 89.1 4.3 12 0 0 12 4.3 264 95.7 Connective tissue C47+C49 138 88.4 2.2 3 0 0 3 2.2 135 97.8 Peritoneum C48 57 63.2 5.3 3 0 0 3 5.3 54 94.7 Breast C50 1 505 90.8 3.9 59 1 0 60 4.0 1445 96.0 Cervix C53 1 334 90.4 2.3 31 1 4 36 2.7 1 298 97.3 Corpus uteri C54 140 95.0 0.0 0 0 0 0.0 140 100.0 Utersus unspecified C55 67 16.4 50.7 34 0 0 34 50.7 33 49.3 Ovary C56 420 79.3 7.1 30	Bone	C40-41	115	71.3	7.8	9	0	2	11	9.6	104	90.4
Connective tissue C47+C49 138 88.4 2.2 3 0 0 3 2.2 135 97.8 Peritoneum C48 57 63.2 5.3 3 0 0 3 5.3 54 94.7 Breast C50 1 505 90.8 3.9 59 1 0 60 4.0 1 445 96.0 Cervix C53 1 334 90.4 2.3 31 1 4 36 2.7 1 298 97.3 Corpus uteri C54 140 95.0 0.0 0 0 0 0 140 100.0 Utersus unspecified C55 67 16.4 50.7 34 0 0 34 50.7 33 49.3 Ovary C56 420 79.3 7.1 30 0 27 8.7 282 91.3 Testis C61 309 83.8 8.7 27 0	Melanoma of skin	C43	45	95.6	0.0	0	0	0	0	0.0	45	100.0
Peritoneum C48 57 63.2 5.3 3 0 0 3 5.3 54 94.7 Breast C50 1 505 90.8 3.9 59 1 0 60 4.0 1 445 96.0 Cervix C53 1 334 90.4 2.3 31 1 4 36 2.7 1 298 97.3 Corpus uteri C54 140 95.0 0.0 0 0 0 0.0 140 100.0 Uterus unspecified C55 67 16.4 50.7 34 0 0 34 50.7 33 49.3 Ovary C56 420 79.3 7.1 30 0 0 30 7.1 390 92.9 Prostate C61 309 83.8 8.7 27 0 0 27 8.7 282 91.3 Testis C62 29 89.7 0.0 0 <td< td=""><td>Other skin</td><td>C44</td><td>276</td><td>89.1</td><td>4.3</td><td>12</td><td>0</td><td>0</td><td>12</td><td>4.3</td><td>264</td><td>95.7</td></td<>	Other skin	C44	276	89.1	4.3	12	0	0	12	4.3	264	95.7
Breast C50 1 505 90.8 3.9 59 1 0 60 4.0 1 445 96.0 Cervix C53 1 334 90.4 2.3 31 1 4 36 2.7 1 298 97.3 Corpus uteri C54 140 95.0 0.0 0 0 0 0 0.0 140 100.0 Uterus unspecified C55 67 16.4 50.7 34 0 0 34 50.7 33 49.3 Ovary C56 420 79.3 7.1 30 0 0 30 7.1 390 92.9 Prostate C61 309 83.8 8.7 27 0 0 27 8.7 282 91.3 Testis C62 29 89.7 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Connective tissue</td> <td>C47+C49</td> <td>138</td> <td>88.4</td> <td>2.2</td> <td>3</td> <td>0</td> <td>0</td> <td>3</td> <td>2.2</td> <td>135</td> <td>97.8</td>	Connective tissue	C47+C49	138	88.4	2.2	3	0	0	3	2.2	135	97.8
Cervix C53 1 334 90.4 2.3 31 1 4 36 2.7 1 298 97.3 Corpus uteri C54 140 95.0 0.0 0 0 0 0 0.0 140 100.0 Uterus unspecified C55 67 16.4 50.7 34 0 0 34 50.7 33 49.3 Ovary C56 420 79.3 7.1 30 0 0 30 7.1 390 92.9 Prostate C61 309 83.8 8.7 27 0 0 27 8.7 282 91.3 Testis C62 29 89.7 0.0 0 0 0 0 0 29 100.0 Kidney C64 292 72.3 4.5 13 0 0 13 4.5 279 95.5 Renal pelvis C65 34 88.2 2.9 1<	Peritoneum	C48	57	63.2	5.3	3	0	0	3	5.3	54	94.7
Corpus uteri C54 140 95.0 0.0 0 0 0 0 0.0 140 100.0 Uterus unspecified C55 67 16.4 50.7 34 0 0 34 50.7 33 49.3 Ovary C56 420 79.3 7.1 30 0 0 30 7.1 390 92.9 Prostate C61 309 83.8 8.7 27 0 0 27 8.7 282 91.3 Testis C62 29 89.7 0.0 0 0 0 0 0 0 29 100.0 Kidney C64 292 72.3 4.5 13 0 0 13 4.5 279 95.5 Renal pelvis C65 34 91.2 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Breast	C50	1 505	90.8	3.9	59	1	0	60	4.0	1 445	96.0
Uterus unspecified C55 67 16.4 50.7 34 0 0 34 50.7 33 49.3 Ovary C56 420 79.3 7.1 30 0 0 30 7.1 390 92.9 Prostate C61 309 83.8 8.7 27 0 0 27 8.7 282 91.3 Testis C62 29 89.7 0.0 0 0 0 0.0 29 100.0 Kidney C64 292 72.3 4.5 13 0 0 13 4.5 279 95.5 Renal pelvis C65 34 91.2 0.0 0 0 0 0 0.0 34 100.0 Urieter C66 34 88.2 2.9 1 0 0 1 2.9 33 97.1 Urinary bladder C67 508 81.1 8.1 41 0 <td>Cervix</td> <td>C53</td> <td>1 334</td> <td>90.4</td> <td>2.3</td> <td>31</td> <td>1</td> <td>4</td> <td>36</td> <td>2.7</td> <td>1 298</td> <td>97.3</td>	Cervix	C53	1 334	90.4	2.3	31	1	4	36	2.7	1 298	97.3
Ovary C56 420 79.3 7.1 30 0 0 30 7.1 390 92.9 Prostate C61 309 83.8 8.7 27 0 0 27 8.7 282 91.3 Testis C62 29 89.7 0.0 0 0 0 0.0 29 100.0 Kidney C64 292 72.3 4.5 13 0 0 13 4.5 279 95.5 Renal pelvis C65 34 91.2 0.0 0 0 0 0 0 34 100.0 Ureter C66 34 88.2 2.9 1 0 0 1 2.9 33 97.1 Urinary bladder C67 508 81.1 8.1 41 0 0 41 8.1 467 91.9 Brain & nervous system C70-72 386 57.3 13.5 52 <td< td=""><td>Corpus uteri</td><td>C54</td><td>140</td><td>95.0</td><td>0.0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0.0</td><td>140</td><td>100.0</td></td<>	Corpus uteri	C54	140	95.0	0.0	0	0	0	0	0.0	140	100.0
Prostate C61 309 83.8 8.7 27 0 0 27 8.7 282 91.3 Testis C62 29 89.7 0.0 0 0 0 0.0 29 100.0 Kidney C64 292 72.3 4.5 13 0 0 13 4.5 279 95.5 Renal pelvis C65 34 91.2 0.0 0 0 0 0 0.0 34 100.0 Ureter C66 34 88.2 2.9 1 0 0 1 2.9 33 97.1 Urinary bladder C67 508 81.1 8.1 41 0 0 41 8.1 467 91.9 Brain & nervous system C70-72 386 57.3 13.5 52 0 1 53 13.7 333 86.3 Thyroid C73 729 90.1 2.3 17	Uterus unspecified	C55	67	16.4	50.7	34	0	0	34	50.7	33	49.3
Testis C62 29 89.7 0.0 0 0 0 0 0.0 29 100.0 Kidney C64 292 72.3 4.5 13 0 0 13 4.5 279 95.5 Renal pelvis C65 34 91.2 0.0 0 0 0 0.0 34 100.0 Ureter C66 34 88.2 2.9 1 0 0 1 2.9 33 97.1 Urinary bladder C67 508 81.1 8.1 41 0 0 41 8.1 467 91.9 Brain & nervous system C70-72 386 57.3 13.5 52 0 1 53 13.7 333 86.3 Thyroid C73 729 90.1 2.3 17 0 0 17 2.3 712 97.7 Adrenal gland C74 32 71.9 6.3 2	Ovary	C56	420	79.3	7.1	30	0	0	30	7.1	390	92.9
Kidney C64 292 72.3 4.5 13 0 0 13 4.5 279 95.5 Renal pelvis C65 34 91.2 0.0 0 0 0 0 0.0 34 100.0 Ureter C66 34 88.2 2.9 1 0 0 1 2.9 33 97.1 Urinary bladder C67 508 81.1 8.1 41 0 0 41 8.1 467 91.9 Brain & nervous system C70-72 386 57.3 13.5 52 0 1 53 13.7 333 86.3 Thyroid C73 729 90.1 2.3 17 0 0 17 2.3 712 97.7 Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C82-85+C96 488 98.6	Prostate	C61	309	83.8	8.7	27	0	0	27	8.7	282	91.3
Renal pelvis C65 34 91.2 0.0 0 0 0 0 0.0 34 100.0 Ureter C66 34 88.2 2.9 1 0 0 1 2.9 33 97.1 Urinary bladder C67 508 81.1 8.1 41 0 0 41 8.1 467 91.9 Brain & nervous system C70-72 386 57.3 13.5 52 0 1 53 13.7 333 86.3 Thyroid C73 729 90.1 2.3 17 0 0 17 2.3 712 97.7 Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C81 28 100.0 0.0 0 0 0 0 0 2 6.3 30 93.8 Hodgkin lymphoma C82-85+C96	Testis	C62	29	89.7	0.0	0	0	0	0	0.0	29	100.0
Ureter C66 34 88.2 2.9 1 0 0 1 2.9 33 97.1 Urinary bladder C67 508 81.1 8.1 41 0 0 41 8.1 467 91.9 Brain & nervous system C70-72 386 57.3 13.5 52 0 1 53 13.7 333 86.3 Thyroid C73 729 90.1 2.3 17 0 0 17 2.3 712 97.7 Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C81 28 100.0 0.0 0 0 0 0 0 0 28 100.0 Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 </td <td>Kidney</td> <td>C64</td> <td>292</td> <td>72.3</td> <td>4.5</td> <td>13</td> <td>0</td> <td>0</td> <td>13</td> <td>4.5</td> <td>279</td> <td>95.5</td>	Kidney	C64	292	72.3	4.5	13	0	0	13	4.5	279	95.5
Urinary bladder C67 508 81.1 8.1 41 0 0 41 8.1 467 91.9 Brain & nervous system C70-72 386 57.3 13.5 52 0 1 53 13.7 333 86.3 Thyroid C73 729 90.1 2.3 17 0 0 17 2.3 712 97.7 Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C81 28 100.0 0.0 0 0 0 0 0 0 28 100.0 Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 0 0 0 0 0 0	Renal pelvis	C65	34	91.2	0.0	0	0	0	0	0.0	34	100.0
Brain & nervous system C70-72 386 57.3 13.5 52 0 1 53 13.7 333 86.3 Thyroid C73 729 90.1 2.3 17 0 0 17 2.3 712 97.7 Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C81 28 100.0 0.0 0 0 0 0 0 0 28 100.0 Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 0		C66	34	88.2	2.9	1	0	0	1	2.9	33	97.1
Thyroid C73 729 90.1 2.3 17 0 0 17 2.3 712 97.7 Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C81 28 100.0 0 0 0 0 0 0 28 100.0 Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 89 100.0 Lymphoid leukaemia C91 125 98.4 0.0 0 0 0 0 0.0 0.0 125 100.0	Urinary bladder	C67	508	81.1	8.1	41	0	0	41	8.1	467	91.9
Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C81 28 100.0 0.0 0 0 0 0 0.0 28 100.0 Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 89 100.0 Lymphoid leukaemia C91 125 98.4 0.0 0 0 0 0 0.0 125 100.0	Brain & nervous system	C70-72	386	57.3	13.5	52	0	1	53	13.7	333	86.3
Adrenal gland C74 32 71.9 6.3 2 0 0 2 6.3 30 93.8 Hodgkin lymphoma C81 28 100.0 0.0 0 0 0 0 0.0 28 100.0 Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 89 100.0 Lymphoid leukaemia C91 125 98.4 0.0 0 0 0 0 0.0 125 100.0			729	90.1			0	0	17		712	97.7
Hodgkin lymphoma C81 28 100.0 0.0 0 0 0 0.0 28 100.0 Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 89 100.0 Lymphoid leukaemia C91 125 98.4 0.0 0 0 0 0 0.0 125 100.0	Adrenal gland						0	0	2			
Non-Hodgkin lymphoma C82-85+C96 488 98.6 0.0 0 0 5 5 1.0 483 99.0 Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 89 100.0 Lymphoid leukaemia C91 125 98.4 0.0 0 0 0 0 0.0 125 100.0	Hodgkin lymphoma	C81					0	0	0		28	
Multiple myeloma C90 89 95.5 0.0 0 0 0 0 0.0 89 100.0 Lymphoid leukaemia C91 125 98.4 0.0 0 0 0 0 0.0 125 100.0						0	0	5	5		483	
Lymphoid leukaemia C91 125 98.4 0.0 0 0 0 0 0.0 125 100.0	Multiple myeloma	C90	89			0	0		0	0.0	89	
	Lymphoid leukaemia			98.4							125	
myelola leanaelina 002-0+ 201 00.0 0.0 0 0 1 1 0.4 200 99.0	Myeloid leukaemia	C92-94	251	98.0	0.0	0	0	1	1	0.4	250	99.6

HV: histologically verified; DCO: death certificate only



Table 2. Number and proportion of cases by vital status and median follow-up (in months) by site: Incheon, Republic of Korea, 1997–2001 cases followed-up until 2002

Site	ICD-10	Cases	De	ad	Ali	ve	Comp	Median FU	
		included	No.	%	No.	%	No.	%	(in months)
Tongue	C01-02	50	26	52.0	24	48.0	50	100.0	23.2
Oral cavity	C03-06	64	26	40.6	38	59.4	64	100.0	24.4
Salivary gland	C07-08	49	15	30.6	34	69.4	49	100.0	37.6
Tonsil	C09	27	14	51.9	13	48.1	27	100.0	18.9
Nasopharynx	C11	74	32	43.2	42	56.8	74	100.0	24.7
Hypopharynx	C12-13	51	33	64.7	18	35.3	51	100.0	18.5
Oesophagus	C15	304	226	74.3	78	25.7	304	100.0	10.4
Stomach	C16	4 293	2 099	48.9	2 194	51.1	4 293	100.0	19.9
Small intestine	C17	81	47	58.0	34	42.0	81	100.0	14.1
Colon	C18	1 120	448	40.0	672	60.0	1 120	100.0	24.2
Rectum	C19-20	1 122	434	38.7	688	61.3	1 122	100.0	24.9
Liver	C22	2 328	1 816	78.0	512	22.0	2 328	100.0	5.6
Gall bladder	C23-24	506	377	74.5	129	25.5	506	100.0	9.4
Pancreas	C25	518	440	84.9	78	15.1	518	100.0	4.1
Nose/Sinuses	C30-31	50	17	34.0	33	66.0	50	100.0	31.2
Larynx	C32	222	91	41.0	131	59.0	222	100.0	23.9
Lung	C33-34	2 566	2 002	78.0	564	22.0	2 566	100.0	7.5
Other thoracic organs	C37-38	56	29	51.8	27	48.2	56	100.0	18.3
Bone	C40-41	104	33	31.7	71	68.3	104	100.0	35.8
Melanoma of skin	C43	45	15	33.3	30	66.7	45	100.0	21.5
Other skin	C44	264	58	22.0	206	78.0	264	100.0	32.2
Connective tissue	C47+C49	135	46	34.1	89	65.9	135	100.0	28.9
Peritoneum	C48	54	36	66.7	18	33.3	54	100.0	19.3
Breast	C50	1 445	201	13.9	1 244	86.1	1 445	100.0	34.3
Cervix	C53	1 298	234	18.0	1 064	82.0	1 298	100.0	38.4
Corpus uteri	C54	140	23	16.4	117	83.6	140	100.0	34.5
Uterus unspecified	C55	33	23	69.7	10	30.3	33	100.0	0.9
Ovary	C56	390	119	30.5	271	69.5	390	100.0	32.8
Prostate	C61	282	96	34.0	186	66.0	282	100.0	25.1
Testis	C62	29	1	3.4	28	96.6	29	100.0	39.5
Kidney	C64	279	86	30.8	193	69.2	279	100.0	27.5
Renal pelvis	C65	34	12	35.3	22	64.7	34	100.0	25.5
Ureter	C66	33	9	27.3	24	72.7	33	100.0	26.3
Urinary bladder	C67	467	134	28.7	333	71.3	467	100.0	30.2
Brain & nervous system	C70-72	333	171	51.4	162	48.6	333	100.0	19.6
Thyroid	C73	712	49	6.9	663	93.1	712	100.0	41.0
Adrenal gland	C74	30	11	36.7	19	63.3	30	100.0	25.3
Hodgkin lymphoma	C81	28	5	17.9	23	82.1	28	100.0	43.9
Non-Hodgkin lymphoma	C82-85+C96	483	220	45.5	263	54.5	483	100.0	22.5
Multiple myeloma	C90	89	57	64.0	32	36.0	89	100.0	15.4
Lymphoid leukaemia	C91	125	58	46.4	67	53.6	125	100.0	20.4
Myeloid leukaemia	C92-94	250	143	57.2	107	42.8	250	100.0	18.0
-									

FU: follow-up



Table 3. Comparison of 1-, 3- and 5-year absolute and relative survival and 5-year age-standardized relative survival by site: Incheon, Republic of Korea, 1997–2001 cases followed-up until 2002

Tongue	Site	ICD-10	Cases	% Abs	olute sur	vival	% Rel	ative sur	% ASRS	% ASRS at 5-years		
Oralicavity C03-06 64 61.8 48.7 45.5 63.5 52.4 50.7 51.3 54.4 Salivary gland 007-08 48 86.3 70.5 63.3 68.7 74.4 69.3 66.9 69.7 Tonsil 009 27 74.1 47.9 40.5 75.8 50.9 45.2 43.4 Nasopharynx C11 74 77.0 60.8 41.8 29.1 62.5 45.0 22.7 37.1 38.3 Stomach C16 42.93 61.2 41.9 62.7 49.9 47.0 42.9 50.0 Small instellne C17 81 51.2 40.8 34.1 52.5 43.4 37.5 34.6 47.7 Rectum C19-20 1122 77.7 58.7 49.6 79.4 62.6 55.4 40.5 57.4 Rectum C19-20 1122 77.7 58.7 49.6 79.4 62.6 55.			included	1-year	3-year	5-year	1-year	3-year	5-year	all ages	0-74 years	
Salivary gland C07-08 49 86.3 70.5 63.3 87.9 74.4 69.3 62.9 44.5 42.3 48.4 Tonsal 009 27 77.4 47.9 40.5 57.8 50.9 44.5 42.3 48.4 Hypopharynx C121-13 51 60.8 41.8 29.1 62.5 45.0 32.7 37.1 28.3 Oesophagus C15 304 39.9 20.4 17.7 41.1 22.4 21.3 21.7 25.0 Stomach C17 81 51.2 40.8 41.1 22.4 21.3 21.7 25.0 Stomach C17 81 51.2 40.8 41.1 22.4 50.0 51.4 41.7 41.1 22.4 49.5 51.4 47.7 40.6 27.2 49.5 57.4 46.7 45.5 47.6 46.7 49.5 57.2 20.3 22.2 22.2 32.8 32.6 45.5	Tongue	C01-02	50	61.5	47.1	40.6	63.0	49.8	44.2	44.7	52.0	
Nasopharynx	Oral cavity	C03-06	64	61.8	48.7	45.5	63.5	52.4	50.7	51.3	54.4	
Nasophanymx	Salivary gland	C07-08	49	86.3	70.5	63.3	87.9	74.4	69.3	66.9	69.7	
Hypophagnax	Tonsil	C09	27	74.1	47.9	40.5	75.8	50.9	44.5	42.3	48.4	
Osesphagus C15 304 399 204 17.7 41.1 22.4 21.3 21.7 25.9 Stomach C16 4.293 61.2 46.7 41.9 62.7 49.9 47.0 42.9 50.0 Colon C18 1120 69.6 64.7 48.7 71.4 58.6 45.5 49.5 57.4 Rectum C19-20 1122 77.7 58.7 48.6 79.4 62.6 55.4 46.7 57.6 Clure C22 2 23.8 32.4 18.6 14.9 33.0 19.6 16.3 16.0 16.8 Allure C22 2 23.8 32.4 11.6 11.0 22.5 12.7 12.3 11.3 14.2 Liver C22 2 32.8 32.4 18.6 74.9 62.7 32.3 22.5 55.5 56.6 18.2 12.7 11.3 14.2 42.6 43.3 43.1 66.5 78.6 6	Nasopharynx	C11	74	77.0	56.5	53.5	77.7	57.9	55.9	45.2	53.6	
Stomach C16	Hypopharynx		51	60.8	41.8	29.1	62.5	45.0	32.7	37.1		
Small intestine C17 81 51.2 40.8 34.1 52.5 43.4 37.5 34.6 47.7 Colon C18 1 120 69.6 54.7 48.7 71.4 58.6 54.5 49.5 57.4 Rectum C19-20 1 122 77.7 58.7 49.6 79.4 62.6 55.4 46.7 57.6 Liver C22 232.8 32.4 18.6 14.9 33.0 18.6 16.3 16.0 16.8 Gall bladder C23-24 506 39.3 21.7 17.5 40.5 23.7 20.3 22.5 25.5 25.5 15.3 21.3 11.3 14.2 11.2 11.0 22.5 12.7 12.3 11.3 14.2 11.2 11.0 22.5 12.7 12.3 11.3 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2 14.2	Oesophagus	C15	304	39.9	20.4	17.7	41.1	22.4	21.3	21.7	25.9	
Colon C18 1 120 69.6 54.7 48.7 71.4 58.6 54.5 49.5 57.4 Rectum C19-20 1 122 77.7 58.7 48.6 79.4 62.6 55.4 46.7 57.6 Liver C22 2328 32.4 18.6 14.9 33.0 19.6 16.3 16.0 16.8 Call bladder C23-24 506 39.3 21.7 17.5 40.5 23.7 20.3 22.5 12.7 10.3 11.3 14.2 Nose/Sinues G30-31 50 76.9 63.1 56.5 78.6 67.4 62.6 73.9 63.4 11.2 11.3 14.2 11.3 14.2 11.3 14.2 11.3 14.2 14.2 13.9 61.6 68.0 75.2 55.5 61.6 61.0 14.2 31.2 31.2 32.5 15.1 18.1 48.2 31.2 32.2 46.9 48.2 48.2 48.2	Stomach	C16	4 293	61.2	46.7	41.9	62.7	49.9	47.0	42.9	50.0	
Rectum C19-20 1 122 77.7 58.7 49.6 79.4 62.6 55.4 46.7 57.6 Liver C22 2 328 32.4 18.6 14.9 33.0 19.6 16.3 16.0 16.8 Pancreas C25 518 21.9 11.9 11.0 22.5 12.7 12.3 11.3 14.2 Nose/Sinuses C30-31 50 76.9 63.1 56.5 78.6 67.4 62.6 73.9 63.4 Lung C33-34 2 566 34.0 17.5 15.5 35.2 19.1 18.3 18.4 20.6 Other thoracic organs C37.38 56 54.5 38.3 30.7 55.7 41.0 34.2 31.2 32.5 Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Other skin C44 264 85.9 74.0 69.7 88.8 8	Small intestine	C17	81	51.2	40.8	34.1	52.5	43.4	37.5	34.6	47.7	
Liver	Colon	C18	1 120	69.6	54.7	48.7	71.4	58.6	54.5	49.5	57.4	
Gall bladder C23-24 506 39.3 21.7 17.5 40.5 23.7 20.3 22.5 25.8 Pancreas C25 518 21.9 11.9 11.0 22.5 12.7 12.3 11.3 14.2 Nose/Sinuses C30-31 50 76.9 63.1 56.5 78.6 67.4 62.6 73.9 63.4 Larynx C32 222 65.2 53.5 48.1 67.0 58.0 55.2 55.5 61.6 Lung C33-34 2566 34.0 17.5 15.5 35.2 19.1 18.3 18.4 20.6 Other thoracic organs C37-38 56 54.5 38.3 30.7 55.7 41.0 34.2 31.2 32.5 Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Other skin C43 45.4 86.9 74.0 69.7 88.8 <t< td=""><td>Rectum</td><td>C19-20</td><td>1 122</td><td>77.7</td><td>58.7</td><td>49.6</td><td>79.4</td><td>62.6</td><td>55.4</td><td>46.7</td><td>57.6</td></t<>	Rectum	C19-20	1 122	77.7	58.7	49.6	79.4	62.6	55.4	46.7	57.6	
Pancreas C25 518 21.9 11.9 11.0 22.5 12.7 12.3 11.3 14.2 Nose/Sinuses C30-31 50 76.9 63.1 56.5 78.6 67.4 62.6 73.9 63.4 Larynx C32 22.2 65.2 53.5 48.1 67.0 58.0 55.2 55.5 61.6 Lung C33-34 2.566 34.0 17.5 15.5 35.2 19.1 18.3 18.4 20.6 Chether thoracic organs C37-38 56 54.5 38.3 30.7 55.7 41.0 34.2 31.2 32.5 Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Melanoma of skin C43 45 80.0 66.0 64.0 81.6 68.3 72.5 71.0 71.5 71.5 71.0 71.5 71.0 71.5 71.0 71.5 71.0	Liver	C22	2 328	32.4	18.6	14.9	33.0	19.6	16.3	16.0	16.8	
Nose/Sinuses C30-31 50 76.9 63.1 56.5 78.6 67.4 62.6 73.9 63.4 Larynx C32 222 65.2 53.5 48.1 67.0 58.0 55.2 55.5 61.6 Lung C33-34 2.566 34.0 17.5 15.5 35.2 19.1 18.3 18.4 20.6 Other thoracic organs C37-38 56 54.5 38.3 30.7 55.7 41.0 34.2 34.2 32.5 Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Melanoma of skin C43 45 80.0 64.0 64.0 81.6 68.3 72.5 71.0 71.5 71.5 71.0 71.5 71.5 71.0 71.5 71.0 71.5 71.0 71.5 71.0 71.5 71.0 71.5 71.0 71.5 71.0 71.5 71.0 71.5 <t< td=""><td>Gall bladder</td><td>C23-24</td><td>506</td><td>39.3</td><td>21.7</td><td>17.5</td><td>40.5</td><td>23.7</td><td>20.3</td><td>22.5</td><td>25.3</td></t<>	Gall bladder	C23-24	506	39.3	21.7	17.5	40.5	23.7	20.3	22.5	25.3	
Larynx C32 222 652 53.5 48.1 67.0 58.0 55.2 55.5 61.6 Lung C33-34 2 566 34.0 17.5 15.5 35.2 19.1 18.3 18.4 20.6 Other thoracic organs C37-38 56 54.5 38.3 30.7 55.7 41.0 34.2 31.2 32.5 Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Melanoma of skin C44 264 85.9 74.0 69.7 88.8 81.7 83.3 83.0 85.4 Cother skin C44 264 85.9 74.0 69.7 88.8 81.7 83.3 83.0 75.5 71.0 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 7	Pancreas	C25	518	21.9	11.9	11.0	22.5	12.7	12.3	11.3	14.2	
Lung C33-34 2 566 34.0 17.5 15.5 35.2 19.1 18.3 18.4 20.6 Other thoracic organs C37-38 56 54.5 38.3 30.7 55.7 41.0 34.2 31.2 32.5 Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Melanoma of skin C43 45 80.0 64.0 64.0 81.6 68.3 72.5 71.0 71.5 Other skin C44 264 88.4 67.4 55.1 81.4 69.6 58.5 53.5 55.6 Peritoneum C48 54 54.4 35.7 30.0 55.7 37.8 33.4 31.1 28.6 Peritoneum C48 54 54.4 35.7 30.0 55.7 37.8 33.4 31.1 28.6 Peritoneum C50 1445 91.3 85.0 79.3 91.8 <	Nose/Sinuses	C30-31	50	76.9	63.1	56.5	78.6	67.4	62.6	73.9	63.4	
Other thoracic organs C37-38 56 54.5 38.3 30.7 55.7 41.0 34.2 31.2 32.5 Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Melanoma of skin C43 45 80.0 64.0 64.0 81.6 68.3 72.5 71.0 71.5 Other skin C44 264 85.9 74.0 69.7 88.8 81.7 83.3 83.0 85.4 Connective tissue C47+C49 135 80.4 67.4 55.1 81.4 69.6 58.5 53.5 55.6 Peritoneum C48 54 44.4 35.7 30.0 55.7 37.8 33.4 31.1 28.2 Peritoneum C48 54 91.3 82.6 77.3 91.8 83.9 79.3 74.3 78.5 Cervix C53 1 288 90.1 81.5 76.3 90.8	Larynx	C32	222	65.2	53.5	48.1	67.0	58.0	55.2	55.5	61.6	
Bone C40-41 104 73.9 67.2 59.9 74.9 69.1 63.0 43.2 46.9 Melanoma of skin C43 45 80.0 64.0 64.0 81.6 68.3 72.5 71.0 71.5 Other skin C44 264 85.9 74.0 69.7 88.8 81.7 83.3 83.0 85.4 Connective tissue C47+C49 135 80.4 67.4 55.1 81.4 69.6 58.5 53.5 55.6 Peritoneum C48 54 54.4 35.7 30.0 55.7 37.8 33.4 31.1 28.4 Breast C50 1445 91.3 82.6 77.3 91.8 83.9 79.3 74.3 78.5 Cervix C53 1 298 90.1 81.5 76.3 90.8 83.1 78.9 73.8 79.5 Cervix C55 33 14.9 14.9 14.9 14.9 15.2 <td>Lung</td> <td>C33-34</td> <td>2 566</td> <td>34.0</td> <td>17.5</td> <td>15.5</td> <td>35.2</td> <td>19.1</td> <td>18.3</td> <td>18.4</td> <td>20.6</td>	Lung	C33-34	2 566	34.0	17.5	15.5	35.2	19.1	18.3	18.4	20.6	
Melanoma of skin C43 45 80.0 64.0 64.0 81.6 68.3 72.5 71.0 71.5 Other skin C44 264 85.9 74.0 69.7 88.8 81.7 83.3 83.0 85.4 Connective tissue C47+C49 135 80.4 67.4 55.1 81.4 69.6 58.5 53.5 55.6 Peritoneum C48 54 54.4 35.7 30.0 55.7 37.8 33.4 31.1 28.4 Breast C50 1 445 91.3 82.6 77.3 91.8 83.9 79.3 74.3 78.5 Cervix C53 1 298 90.1 81.5 76.3 90.8 83.1 78.9 73.8 79.5 Corpus uteri C54 140 89.3 85.0 80.2 90.0 87.0 83.6 82.2 72.3 Uterus unspecified C55 33 14.9 14.9 15.2 15.3	Other thoracic organs	C37-38	56	54.5	38.3	30.7	55.7	41.0	34.2	31.2	32.5	
Other skin C44 264 85.9 74.0 69.7 88.8 81.7 83.3 83.0 85.4 Connective tissue C47+C49 135 80.4 67.4 55.1 81.4 69.6 58.5 53.5 55.6 Peritoneum C48 54 54.4 35.7 30.0 55.7 37.8 33.4 31.1 28.4 Breast C50 1 445 91.3 82.6 77.3 91.8 83.9 79.3 74.3 78.5 Cervix C53 1 298 90.1 81.5 76.3 90.8 83.1 78.9 73.8 79.5 Corpus uteri C54 140 89.3 85.0 80.2 90.0 87.0 83.6 82.2 72.3 Uterus unspecified C55 33 14.9 14.9 14.9 15.2 15.3 15.4 19.1 26.2 Ovary C56 390 78.3 65.7 58.0 79.1	Bone	C40-41	104	73.9	67.2	59.9	74.9	69.1	63.0	43.2	46.9	
Connective tissue C47+C49 135 80.4 67.4 55.1 81.4 69.6 58.5 53.5 55.6 Peritoneum C48 54 54.4 35.7 30.0 55.7 37.8 33.4 31.1 28.4 Breast C50 1 445 91.3 82.6 77.3 91.8 83.9 79.3 74.3 78.5 Cervix C53 1 298 90.1 81.5 76.3 90.8 83.1 78.9 73.8 79.5 Corpus uteri C54 140 89.3 85.0 80.2 90.0 87.0 83.6 82.2 72.3 Uterus unspecified C55 33 14.9 14.9 14.9 15.2 15.3 15.4 19.1 26.2 Ovary C56 390 78.3 65.7 58.0 79.1 67.2 60.3 52.7 58.7 Prostate C61 282 78.6 58.1 50.4 82.9 67	Melanoma of skin	C43	45	80.0	64.0	64.0	81.6	68.3	72.5	71.0	71.5	
Peritioneum C48 54 54.4 35.7 30.0 55.7 37.8 33.4 31.1 28.4 Breast C50 1 445 91.3 82.6 77.3 91.8 83.9 79.3 74.3 78.5 Cervix C53 1 298 90.1 81.5 76.3 90.8 83.1 78.9 73.8 79.5 Corpus uteri C54 140 89.3 85.0 80.2 90.0 87.0 83.6 82.2 72.3 Uterus unspecified C55 33 14.9 14.9 14.9 15.2 15.3 15.4 19.1 26.2 Ovary C56 390 78.3 65.7 58.0 79.1 67.2 60.3 52.7 58.7 Prostate C61 282 78.6 58.1 50.4 82.9 67.9 65.5 63.5 69.4 Testis C62 29 100.0 96.1 96.1 100.3 97.1	Other skin	C44	264	85.9	74.0	69.7	88.8	81.7	83.3	83.0	85.4	
Breast C50 1 445 91.3 82.6 77.3 91.8 83.9 79.3 74.3 78.5 Cervix C53 1 298 90.1 81.5 76.3 90.8 83.1 78.9 73.8 79.5 Corpus uteri C54 140 89.3 85.0 80.2 90.0 87.0 83.6 82.2 72.3 Uterus unspecified C55 33 14.9 14.9 14.9 15.2 15.3 15.4 19.1 26.2 Ovary C56 390 78.3 65.7 58.0 79.1 67.2 60.3 52.7 58.7 Prostate C61 282 78.6 58.1 50.4 82.9 67.9 65.5 63.5 69.4 Testis C62 29 100.0 96.1 96.1 100.3 97.1 97.7 98.3 98.3 Kidney C64 279 74.7 65.1 61.1 76.2 68.7 <	Connective tissue	C47+C49	135	80.4	67.4	55.1	81.4	69.6	58.5	53.5	55.6	
Cervix C53 1 298 90.1 81.5 76.3 90.8 83.1 78.9 73.8 79.5 Corpus uteri C54 140 89.3 85.0 80.2 90.0 87.0 83.6 82.2 72.3 Uterus unspecified C55 33 14.9 14.9 14.9 15.2 15.3 15.4 19.1 26.2 Ovary C56 390 78.3 65.7 58.0 79.1 67.2 60.3 52.7 58.7 Prostate C61 282 78.6 58.1 50.4 82.9 67.9 65.5 63.5 69.4 Testis C62 29 100.0 96.1 96.1 100.3 97.1 97.7 98.3 98.3 Kidney C64 279 74.7 65.1 61.1 76.2 68.7 66.9 64.4 67.9 Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0	Peritoneum	C48	54	54.4	35.7	30.0	55.7	37.8	33.4	31.1	28.4	
Corpus uteri C54 140 89.3 85.0 80.2 90.0 87.0 83.6 82.2 72.3 Uterus unspecified C55 33 14.9 14.9 14.9 15.2 15.3 15.4 19.1 26.2 Ovary C56 390 78.3 65.7 58.0 79.1 67.2 60.3 52.7 58.7 Prostate C61 282 78.6 58.1 50.4 82.9 67.9 65.5 63.5 69.4 Testis C62 29 100.0 96.1 96.1 100.3 97.1 97.7 98.3 98.3 Kidney C64 279 74.7 65.1 61.1 76.2 68.7 66.9 64.4 67.9 Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0 53.2 61.4 72.3 Urieter C66 33 76.5 69.8 69.8 79.0 77.2	Breast	C50	1 445	91.3	82.6	77.3	91.8	83.9	79.3	74.3	78.5	
Uterus unspecified C55 33 14.9 14.9 14.9 15.2 15.3 15.4 19.1 26.2 Ovary C56 390 78.3 65.7 58.0 79.1 67.2 60.3 52.7 58.7 Prostate C61 282 78.6 58.1 50.4 82.9 67.9 65.5 63.5 69.4 Testis C62 29 100.0 96.1 96.1 100.3 97.1 97.7 98.3 98.3 Kidney C64 279 74.7 65.1 61.1 76.2 68.7 66.9 64.4 67.9 Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0 53.2 61.4 72.3 Ureter C66 33 76.5 69.8 69.8 79.0 77.2 83.3 87.2 91.0 Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1	Cervix	C53	1 298	90.1	81.5	76.3	90.8	83.1	78.9	73.8	79.5	
Ovary C56 390 78.3 65.7 58.0 79.1 67.2 60.3 52.7 58.7 Prostate C61 282 78.6 58.1 50.4 82.9 67.9 65.5 63.5 69.4 Testis C62 29 100.0 96.1 96.1 100.3 97.1 97.7 98.3 98.3 Kidney C64 279 74.7 65.1 61.1 76.2 68.7 66.9 64.4 67.9 Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0 53.2 61.4 72.3 Ureter C66 33 76.5 69.8 69.8 79.0 77.2 83.3 87.2 91.0 Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1 71.0 65.9 76.1 Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 <td>Corpus uteri</td> <td>C54</td> <td>140</td> <td>89.3</td> <td>85.0</td> <td>80.2</td> <td>90.0</td> <td>87.0</td> <td>83.6</td> <td>82.2</td> <td>72.3</td>	Corpus uteri	C54	140	89.3	85.0	80.2	90.0	87.0	83.6	82.2	72.3	
Prostate C61 282 78.6 58.1 50.4 82.9 67.9 65.5 63.5 69.4 Testis C62 29 100.0 96.1 96.1 100.3 97.1 97.7 98.3 98.3 Kidney C64 279 74.7 65.1 61.1 76.2 68.7 66.9 64.4 67.9 Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0 53.2 61.4 72.3 Ureter C66 33 76.5 69.8 69.8 79.0 77.2 83.3 87.2 91.0 Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1 71.0 65.9 76.1 Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 40.0 39.6 41.0 Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 </td <td>Uterus unspecified</td> <td>C55</td> <td>33</td> <td>14.9</td> <td>14.9</td> <td>14.9</td> <td>15.2</td> <td>15.3</td> <td>15.4</td> <td>19.1</td> <td>26.2</td>	Uterus unspecified	C55	33	14.9	14.9	14.9	15.2	15.3	15.4	19.1	26.2	
Testis C62 29 100.0 96.1 96.1 100.3 97.1 97.7 98.3 98.3 Kidney C64 279 74.7 65.1 61.1 76.2 68.7 66.9 64.4 67.9 Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0 53.2 61.4 72.3 Ureter C66 33 76.5 69.8 69.8 79.0 77.2 83.3 87.2 91.0 Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1 71.0 65.9 76.1 Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 40.0 39.6 41.0 Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 92.2 90.0 92.6 Adrenal gland C74 30 75.0 54.8 54.8 75.4 55	Ovary	C56	390	78.3	65.7	58.0	79.1	67.2	60.3	52.7	58.7	
Kidney C64 279 74.7 65.1 61.1 76.2 68.7 66.9 64.4 67.9 Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0 53.2 61.4 72.3 Ureter C66 33 76.5 69.8 69.8 79.0 77.2 83.3 87.2 91.0 Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1 71.0 65.9 76.1 Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 40.0 39.6 41.0 Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 92.2 90.0 92.6 Adrenal gland C74 30 75.0 54.8 54.8 75.4 55.5 56.1 86.1 78.4 Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3	Prostate	C61	282	78.6	58.1	50.4	82.9	67.9	65.5	63.5	69.4	
Renal pelvis C65 34 82.4 63.9 47.9 84.1 68.0 53.2 61.4 72.3 Ureter C66 33 76.5 69.8 69.8 79.0 77.2 83.3 87.2 91.0 Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1 71.0 65.9 76.1 Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 40.0 39.6 41.0 Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 92.2 90.0 92.6 Adrenal gland C74 30 75.0 54.8 54.8 75.4 55.5 56.1 86.1 78.4 Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3 82.6 83.2 81.1 82.8 Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3	Testis				96.1				97.7		98.3	
Ureter C66 33 76.5 69.8 69.8 79.0 77.2 83.3 87.2 91.0 Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1 71.0 65.9 76.1 Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 40.0 39.6 41.0 Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 92.2 90.0 92.6 Adrenal gland C74 30 75.0 54.8 54.8 75.4 55.5 56.1 86.1 78.4 Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3 82.6 83.2 81.1 82.8 Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3	•											
Urinary bladder C67 467 78.0 65.5 60.1 80.7 72.1 71.0 65.9 76.1 Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 40.0 39.6 41.0 Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 92.2 90.0 92.6 Adrenal gland C74 30 75.0 54.8 54.8 75.4 55.5 56.1 86.1 78.4 Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3 82.6 83.2 81.1 82.8 Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2	Renal pelvis	C65	34	82.4	63.9	47.9	84.1	68.0	53.2	61.4	72.3	
Brain & nervous system C70-72 333 56.5 43.7 38.5 57.2 44.9 40.0 39.6 41.0 Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 92.2 90.0 92.6 Adrenal gland C74 30 75.0 54.8 54.8 75.4 55.5 56.1 86.1 78.4 Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3 82.6 83.2 81.1 82.8 Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3	Ureter			76.5	69.8	69.8	79.0	77.2		87.2		
Thyroid C73 712 93.8 91.5 89.4 94.5 93.3 92.2 90.0 92.6 Adrenal gland C74 30 75.0 54.8 54.8 75.4 55.5 56.1 86.1 78.4 Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3 82.6 83.2 81.1 82.8 Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3	Urinary bladder											
Adrenal gland C74 30 75.0 54.8 54.8 75.4 55.5 56.1 86.1 78.4 Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3 82.6 83.2 81.1 82.8 Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3	Brain & nervous system	C70-72		56.5	43.7		57.2	44.9	40.0			
Hodgkin lymphoma C81 28 85.7 81.3 81.3 86.3 82.6 83.2 81.1 82.8 Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3	•						94.5					
Non-Hodgkin lymphoma C82-85+C96 483 70.3 53.0 50.9 71.4 55.2 54.2 53.8 57.4 Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3												
Multiple myeloma C90 89 56.2 33.7 25.3 57.3 35.9 28.4 27.2 29.0 Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3												
Lymphoid leukaemia C91 125 67.2 50.2 50.2 67.5 50.7 50.8 38.1 40.3												
Myeloid leukaemia C92-94 250 62.6 42.4 38.3 63.1 43.4 39.9 38.8 36.0	• •											
	Myeloid leukaemia	C92-94	250	62.6	42.4	38.3	63.1	43.4	39.9	38.8	36.0	

ASRS: age-standardized relative survival



Table 4a. Site-wise number of cases, 5-year absolute and relative survival by sex: Incheon, Republic of Korea, 1997–2001 cases followed-up until 2002

Site	ICD-10	Cases		Male		Female				
		included		-year surv	ival	% 5-year survival				
			No.	Abs	Rel	No.	Abs	Rel		
Tongue	C01-02	50	34	41.2	45.8	16	0.0	0.0		
Oral cavity	C03-06	64	44	37.6	43.2	20	67.1	71.5		
Salivary gland	C07-08	49	26	54.7	64.7	23	73.9	75.5		
Tonsil	C09	27	19	31.3	34.3	8	61.4	67.8		
Nasopharynx	C11	74	52	46.4	49.5	22	70.1	71.3		
Hypopharynx	C12-13	51	49	25.8	28.8	2	100.0	121.7		
Oesophagus	C15	304	268	18.0	21.9	36	15.1	16.4		
Stomach	C16	4 293	2 896	42.1	48.0	1 397	41.5	45.0		
Small intestine	C17	81	55	24.7	27.7	26	47.3	50.5		
Colon	C18	1 120	593	49.0	56.1	527	48.3	52.8		
Rectum	C19-20	1 122	622	44.7	51.4	500	55.4	59.9		
Liver	C22	2 328	1 717	14.2	15.7	611	16.8	17.8		
Gall bladder	C23-24	506	265	15.7	18.5	241	19.5	22.4		
Pancreas	C25	518	313	10.7	12.0	205	11.5	12.6		
Nose/Sinuses	C30-31	50	36	48.4	53.2	14	79.4	90.0		
Larynx	C32	222	197	48.5	56.1	25	44.8	49.4		
Lung	C33-34	2 566	1 884	14.1	16.8	682	19.4	22.1		
Other thoracic organs	C37-38	56	29	37.9	41.1	27	0.0	0.0		
Bone	C40-41	104	58	60.1	63.6	46	61.7	64.1		
Melanoma of skin	C43	45	25	55.7	66.5	20	73.7	78.0		
Other skin	C44	264	136	73.6	88.3	128	66.1	78.6		
Connective tissue	C47+C49	135	73	57.2	60.4	62	55.6	59.8		
Peritoneum	C48	54	25	36.0	41.8	29	22.6	23.5		
Breast	C50	1 445	10	70.7	83.0	1 435	77.4	79.3		
Cervix	C53	1 298				1 298	76.3	78.9		
Corpus uteri	C54	140				140	80.2	83.6		
Uterus unspecified	C55	33				33	14.9	15.4		
Ovary	C56	390				390	58.0	60.3		
Prostate	C61	282	282	50.4	65.5					
Testis	C62	29	29	96.1	97.7					
Kidney	C64	279	184	59.3	65.9	95	64.6	68.9		
Renal pelvis	C65	34	24	50.0	55.9	10				
Ureter	C66	33	23	73.5	87.9	10	60.0	71.3		
Urinary bladder	C67	467	376	62.0	73.6	91	53.0	60.6		
Brain & nervous system	C70-72	333	152	34.6	36.1	181	41.5	43.1		
Thyroid	C73	712	93	84.0	89.4	619	90.2	92.5		
Adrenal gland	C74	30	16	47.8	48.4	14	62.2	64.1		
Hodgkin lymphoma	C81	28	22	86.4	88.8	6	62.5	62.8		
Non-Hodgkin lymphoma	C82-85+C96	483	289	45.5	49.1	194	59.1	61.6		
Multiple myeloma	C90	89	48	12.3	14.3	41	37.3	40.7		
Lymphoid leukaemia	C91	125	62	49.3	49.7	63	51.0	51.8		
Myeloid leukaemia	C92-94	250	139	32.7	34.2	111	45.6	47.4		

Abs: absolute survival; Rel: relative survival



Table 4b. Site-wise number of cases and relative survival by age group: Incheon, Republic of Korea, 1997–2001 cases followed-up until 2002

Site	ICD-10	Cases included	Num	Number of cases by age group						Relative survival by age group % 5-year survival				
			< 45	45-54	55-64	65-74	> 75		< 45	45-54	55-64	65-74	> 75	
Tongue	C01-02	50	11	11	10	11	7		55.1	40.0	52.8	50.6	0.0	
Oral cavity	C03-06	64	8	14	22	15	5		78.5	38.9	44.6	00.0	27.9	
Salivary gland	C07-08	49	17	10	9	8	5		81.0	61.9	80.6	57.5	52.2	
Tonsil	C09	27	5	8	4	5	5			55.7	26.9	90.3	0.0	
Nasopharynx	C11	74	34	17	15	6	2		64.7	51.1	57.1	29.7	0.0	
Hypopharynx	C12-13	51	1	5	26	15	4		102.0	14.1	39.1		33.3	
Oesophagus	C15	304	7	33	115	107	42			23.9	21.6	23.7	13.8	
Stomach	C16	4 293	741	750	1 162	1 113	527		56.0	54.8	51.2	42.1	26.4	
Small intestine	C17	81	12	11	24	23	11		75.9	65.9	36.0	33.0	0.0	
Colon	C18	1 120	161	181	297	315	166		68.2	63.8	56.5	50.1	38.1	
Rectum	C19-20	1 122	157	192	354	273	146		53.7	58.9	67.3	50.1	28.0	
Liver	C22	2 328	366	589	762	419	192		20.0	16.6	17.8	12.7	14.3	
Gall bladder	C23-24	506	39	71	139	153	104		41.9	28.4	19.4	16.5	15.6	
Pancreas	C25	518	43	90	154	145	86		24.7	14.8	19.2	5.3	5.7	
Nose/Sinuses	C30-31	50	7	12	10	14	7		86.5	28.6	70.1	64.6	120.5	
Larynx	C32	222	11	31	91	65	24		84.9	61.6	57.8	53.3	35.6	
Lung	C33-34	2 566	171	312	700	895	488		28.1	28.0	18.7	16.0	13.2	
Other thoracic organs	C37-38	56	21	9	10	10	6		47.7	0.0	28.0	45.2		
Bone	C40-41	104	70	8	9	6	11		78.4	65.9	40.6	21.8	30.4	
Melanoma of skin	C43	45	11	5	13	11	5		82.3	58.8	90.4		62.0	
Other skin	C44	264	44	31	50	69	70		96.9	77.6	81.3	86.4	77.0	
Connective tissue	C47+C49	135	65	26	21	12	11		67.4	63.8	36.6	71.4	45.0	
Peritoneum	C48	54	15	10	10	10	9		47.1	38.5	0.0		38.0	
Breast	C50	1 445	642	420	250	104	29		81.2	80.1	78.9	71.0	60.3	
Cervix	C53	1 298	555	284	260	147	52		88.3	78.0	76.5	68.4	30.1	
Corpus uteri	C54	140	41	42	30	22	5		100.6	99.2	68.1	36.2	136.8	
Uterus unspecified	C55	33	6	6	4	14	3		75.5	25.4	9.4		0.0	
Ovary	C56	390	171	73	69	53	24		77.8	60.0	48.2	42.7	18.6	
Prostate	C61	282	1	16	58	114	93		100.2	91.3	60.9	69.2	62.9	
Testis	C62	29	26	2	1	0	0		96.5	105.3				
Kidney	C64	279	67	40	82	63	27		83.9	82.4	67.9	44.5	60.3	
Renal pelvis	C65	34	2	1	18	10	3		101.5		60.0	31.1		
Ureter	C66	33	0	1	12	13	7				66.2	101.8	81.6	
Urinary bladder	C67	467	39	71	117	156	84		73.7	87.8	79.3	69.1	50.6	
Brain & nervous system		333	170	46	61	38	18		49.9	32.7	38.3	26.3	23.6	
Thyroid	C73	712	365	133	127	63	24		100.0	94.3	95.6	70.3		
Adrenal gland	C74	30	22	3	3	1	1		45.1	102.7		107.3		
Hodgkin lymphoma	C81	28	18	5	3	2	0		88.3	83.9				
Non-Hodgkin lymphoma		483	185	84	98	78	38		65.1	67.4	50.4	32.9		
Multiple myeloma	C90	89	10	21	28	19	11		32.3	28.2	37.7	19.9	21.8	
Lymphoid leukaemia	C91	125	100	7	9	6	3		57.8		47.1	0.0		
Myeloid leukaemia	C92-94	250	136	52	31	16	15		47.9	38.8		0.0	51.6	



