

Table A.4. Allocation of new morphology codes into the ICCC-3-2017 categories and morphological families

ICCC-3-2017, International Classification of Childhood Cancer, 3rd edition, update 2017.

The morphology codes included are those classified by ICCC-3-2017 if their numerical value was not included in ICCC-3¹. Only the highest described behaviour code (up to /3) for each morphology is shown.

The morphology codes listed with non-malignant behaviour (/0, /1 or /2) are only classified by ICCC-3-2017 if they were diagnosed with malignant behaviour or if they occurred in CNS, as specified in Tables A.2 and A.3.

Source: ICD-O-3.1, International Classification of Diseases for Oncology, Third Edition, First Revision; WHO CoT, World Health Organization, Classification of Tumours series.

Reference (full citations in Chapter 3): 3—ICD-O-3.2 (Fritz et al., 2013); 4—Breast (Lakhani et al., 2012); 5—Soft tissue and bone (Fletcher et al., 2013); 6—Female reproductive organs (Kurman et al., 2014); 7—Lung and related (Travis et al., 2015); 8—Urinary and male reproductive organs (Moch et al., 2016); 9—CNS tumours (Louis et al., 2016); 10—Head and neck tumours (El-Naggar et al., 2017).

¹ Steliarova-Foucher et al, Cancer 2005, 103: 1457-67; ² Ferlay et al, IARC Technical Report, 2005.

Source	Reference	ICD-O code	Term	ICCC-3-2017 category	Morphological family ²
		Morphology/behaviour			
WHO CoT	7, 10	8023/3	NUT carcinoma	Vlb, VIlb, Xd, Xlb, Xlc, Xle, Xlf	Not site-specific carcinomas
WHO CoT	8	8054/3	Warty carcinoma	Vlb, VIlb, Xd, Xlb, Xlc, Xle, Xlf	Not site-specific carcinomas
WHO CoT	10	8085/3	Squamous cell carcinomas, HPV-positive	Xlf	Not site-specific carcinomas
WHO CoT	10	8086/3	Squamous cell carcinomas, HPV-negative	Xlf	Not site-specific carcinomas
ICD-O-3.1	3	8158/1	Endocrine tumor	Ille, VIlb, Xd, Xla, Xlb, Xlf	Not site-specific carcinomas
ICD-O-3.1	3	8163/3	Pancreatobiliary-type carcinoma	Xlf	Not site-specific carcinomas
WHO CoT	7	8256/3	Minimally invasive adenocarcinoma, non-mucinous	Xlf	Lung tumours
WHO CoT	7	8257/3	Minimally invasive adenocarcinoma, mucinous	Xlf	Lung tumours
ICD-O-3.1	3	8265/3	Micropapillary adenocarcinoma	Xlf	Not site-specific carcinomas
WHO CoT	6	8474/3	Seromucinous carcinoma	Xd	Ovarian tumours
WHO CoT	4	8509/3	Solid papillary carcinoma, invasive	Xlc, Xlf	Breast tumours
WHO CoT	4	8519/2	Pleomorphic lobular carcinoma in situ	Xlc, Xlf	Breast tumours
ICD-O-3.1	3	8552/3	Mixed acinar-ductal carcinoma	Xlf	Not site-specific carcinomas
WHO CoT	10	8563/0	Lymphadenoma	Xlf	Salivary gland tumours
WHO CoT	6	8594/1	Mixed germ cell-sex cord-stromal tumour, unclassified	Xe	Ovarian tumours
WHO CoT	8	8643/1	Intratubular large cell hyalinizing Sertoli cell neoplasia	Xe	Testicular tumours
WHO CoT	5, 6, 7, 8	8714/3	Neoplasm with perivascular epithelioid cell differentiation (PEComa), NOS, malignant	IXd	Not CNS affecting sarcomas
WHO CoT	5	8816/0	Calcifying aponeurotic fibroma	IXb	Not CNS affecting sarcomas
WHO CoT	5, 6	8817/0	Calcifying fibrous tumour	IXb	Not CNS affecting sarcomas
WHO CoT	5	8818/0	Osteofibrous dysplasia	VIIId	Not CNS affecting sarcomas
WHO CoT	4, 5	8828/0	Nodular fasciitis OR Proliferative fasciitis OR Proliferative myositis	IXb	Not CNS affecting sarcomas
ICD-O-3.1	3	8975/1	Calcifying nested epithelial stromal tumor	VIIa	Liver tumours
WHO CoT	7	8992/0	Pulmonary hamartoma	IXd	Not CNS affecting sarcomas
WHO CoT	10	9045/3	Biphenotypic sinonasal sarcoma	IXd	Not CNS affecting sarcomas
WHO CoT	7	9086/3	Germ cell tumours with associated haematological malignancy	Xb	Germ cell and trophoblastic tumours

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Morphology/behaviour					
WHO CoT	5, 7	9137/3	Intimal sarcoma	IXd	Not CNS affecting sarcomas
WHO CoT	5	9138/1	Pseudomyogenic haemangioendothelioma	IXd	Not site-specific sarcomas
WHO CoT	5	9211/0	Osteochondromyxoma	VIIIb	Bone tumours
WHO CoT	5	9212/0	Bizarre parosteal osteochondromatous proliferation	VIIIb	Bone tumours
WHO CoT	5	9213/0	Subungual exostosis	VIIIb	Bone tumours
WHO CoT	5, 10	9222/1	Atypical cartilaginous tumour / Chondrosarcoma grade I	VIIIb	Bone tumours
WHO CoT	9	9385/3	Diffuse midline glioma, H3 K27M-mutant	IIId	CNS tumours
ICD-O-3.1	3	9395/3	Papillary tumor of the pineal region	IIIf	Pineal tumours
WHO CoT	9	9396/3	Ependymoma, RELA fusion-positive	IIIf	CNS tumours
ICD-O-3.1	3	9425/3	Piloxyoid astrocytoma	IIIf	CNS tumours
ICD-O-3.1	3	9431/1	Angiocentric glioma	IIId	CNS tumours
ICD-O-3.1	3	9432/1	Pituicytoma	IIIf	Pituitary tumours
WHO CoT	9	9445/3	Glioblastoma, IDH-mutant	IIId	CNS tumours
WHO CoT	9	9475/3	Medulloblastoma, WNT-activated	IIIf	CNS tumours
WHO CoT	9	9476/3	Medulloblastoma, SHH-activated and TP53-mutant	IIIf	CNS tumours
WHO CoT	9	9477/3	Medulloblastoma, non-WNT/non-SHH	IIIf	CNS tumours
WHO CoT	9	9478/3	Embryonal tumour with multilayered rosettes, NOS or C19MC-altered	IIIf	CNS tumours
ICD-O-3.1	3	9509/1	Papillary glioneuronal tumor	IIIf	CNS tumours
WHO CoT	5	9542/3	Epithelioid malignant peripheral nerve sheath tumour	IXb	Nerve sheath tumours
WHO CoT	5	9563/0	Hybrid nerve sheath tumours	IXb	Nerve sheath tumours
ICD-O-3.1	3	9597/3	Primary cutaneous follicle centre lymphoma	IIb	Skin tumours
ICD-O-3.1	3	9688/3	T-cell rich large B-cell lymphoma	IIb	Any site code
ICD-O-3.1	3	9712/3	Intravascular large B-cell lymphoma	IIb	Any site code
ICD-O-3.1	3	9724/3	Systemic EBV positive T-cell lymphoproliferative disease of childhood	IIb	Any site code
ICD-O-3.1	3	9725/3	Hydroa vacciniforme-like lymphoma	IIb	Skin tumours
ICD-O-3.1	3	9726/3	Primary cutaneous gamma-delta T-cell lymphoma	IIb	Skin tumours
ICD-O-3.1	3	9735/3	Plasmablastic lymphoma	IIb	Any site code
ICD-O-3.1	3	9737/3	ALK positive large B-cell lymphoma	IIb	Any site code
ICD-O-3.1	3	9738/3	Large B-cell lymphoma arising in HHV8-associated multicentric Castlemann disease	IIb	Any site code
ICD-O-3.1	3	9759/3	Fibroblastic reticular cell tumor	IIId	Any site code
ICD-O-3.1	3	9806/3	Mixed phenotype acute leukemia with t(9;22)(q34;q11.2); BCR-ABL1	Ie	Haematopoietic tumours
ICD-O-3.1	3	9807/3	Mixed phenotype acute leukemia with t(v;11q23); MLL rearranged	Ie	Haematopoietic tumours
ICD-O-3.1	3	9808/3	Mixed phenotype acute leukemia, B/myeloid, NOS	Ie	Haematopoietic tumours

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		Morphology/behaviour		category		
ICD-O-3.1	3	9809/3	Mixed phenotype acute leukemia, T/myeloid, NOS		le	Haematopoietic tumours
ICD-O-3.1	3	9811/3	B lymphoblastic leukemia/lymphoma, NOS		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9812/3	B lymphoblastic leukemia/lymphoma with t(9;22)(q34;q11.2); BCR-ABL1		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9813/3	B lymphoblastic leukemia/lymphoma with t(v;11q23); MLL rearranged		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9814/3	B lymphoblastic leukemia/lymphoma with t(12;21)(p13;q22); TEL-AML1 (ETV6-RUNX1)		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9815/3	B lymphoblastic leukemia/lymphoma with hyperdiploidy		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9816/3	B lymphoblastic leukemia/lymphoma with hypodiploidy (Hypodiploid ALL)		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9817/3	B lymphoblastic leukemia/lymphoma with t(5;14)(q31;q32); IL3-IGH		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9818/3	B lymphoblastic leukemia/lymphoma with t(1;19)(q23;p13.3); E2A-PBX1 (TCF3-PBX1)		la, llb	Haematopoietic tumours
ICD-O-3.1	3	9831/3	T-cell large granular lymphocytic leukemia		la	Haematopoietic tumours
ICD-O-3.1	3	9865/3	Acute myeloid leukemia with t(6;9)(p23;q34); DEK-NUP214		lb	Haematopoietic tumours
ICD-O-3.1	3	9869/3	Acute myeloid leukemia with inv(3)(q21q26.2) or t(3;3)(q21;q26.2); RPN1-EV11		lb	Haematopoietic tumours
ICD-O-3.1	3	9898/3	Myeloid leukemia associated with Down Syndrome		lb	Haematopoietic tumours
ICD-O-3.1	3	9911/3	Acute myeloid leukemia (megakaryoblastic) with t(1;22)(p13;q13); RBM15-MKL1		lb	Haematopoietic tumours
ICD-O-3.1	3	9965/3	Myeloid and lymphoid neoplasms with PDGFRB rearrangement		le	Haematopoietic tumours
ICD-O-3.1	3	9966/3	Myeloid neoplasms with PDGFRB rearrangement		le	Haematopoietic tumours
ICD-O-3.1	3	9967/3	Myeloid and lymphoid neoplasms with FGFR1 abnormalities		le	Haematopoietic tumours
ICD-O-3.1	3	9971/3	Polymorphic post transplant lymphoproliferative disorder		llb	Any site code
ICD-O-3.1	3	9991/3	Refractory neutropenia		ld	Haematopoietic tumours
ICD-O-3.1	3	9992/3	Refractory thrombocytopenia		ld	Haematopoietic tumours