

UK Biobank

The use of International Classification of Diseases for Oncology (3rd Edition) in UK Biobank.

Version 1.1

<http://www.ukbiobank.ac.uk/>

28 Feb 2023



This manual provides a list of ICD-O-3 morphology codes that are used in UK Biobank.

Introduction

The histology and behaviour codes for neoplasms are represented as separate data-fields in the data Showcase for UK Biobank, i.e. 4-digit histology code data-field and 1-digit behaviour data-field. Histology is coded according to the International Classification of Diseases for Oncology, 3rd edition (ICD-O). In the Data Showcase, these codes are presented in broad categories in a tree-like structure:

- (8000–8009) Not otherwise specified
- (8010–8790) Epithelial
- (8800–9370) Connective tissue
- (9380–9589) Nervous system
- (9590–9999) Hematologic (Leukemias, Lymphomas and related disorders)

The behaviour data-field relates to the 5th digit (i.e. after the slash) and is coded as follows:

- /0 Benign
- /1 Uncertain whether benign or malignant
 - Borderline malignancy
 - Low malignant potential
- /2 Carcinoma in situ
 - Intraepithelial
 - Noninfiltrating
 - Noninvasive
- /3 Malignant, primary site
- /6 Malignant, metastatic site
 - Malignant, secondary site
- /9 Malignant, uncertain whether primary or metastatic site.

This documentation presents the tumour morphology (i.e. histology and cancer behaviour combined) as five-digit codes in ICD10-O-3, ranging from M-8000/0 to M-9993/3. The main references for the data listed in this manual were the ICD-O-3 documents from Surveillance Epidemiology and End Results (SEER), World Health Organisation (WHO) and International Association of Cancer Registries (IACR).

Histology/Behaviour	Description
8000/0	Neoplasm, benign
8000/1	Neoplasm, uncertain whether benign or malignant
8000/3	Neoplasm, malignant
8001/0	Tumour cells, benign
8001/1	Tumour cells, uncertain whether benign or malignant
8001/3	Tumour cells, malignant
8002/3	Malignant tumour, small cell type
8003/3	Malignant tumour, giant cell type
8004/3	Malignant tumour, spindle cell type
8005/0	Clear cell tumour, NOS
8005/3	Malignant tumour, clear cell type
8010/0	Epithelial tumour, benign
8010/2	Carcinoma in situ, NOS
8010/3	Carcinoma, NOS
8011/3	Epithelioma, malignant
8012/3	Large cell carcinoma, NOS
8013/3	Large cell neuroendocrine carcinoma
8014/3	Large cell carcinoma with rhabdoid phenotype
8015/3	Glassy cell carcinoma
8020/3	Carcinoma, undifferentiated type, NOS
8021/3	Carcinoma, anaplastic type, NOS
8022/3	Pleomorphic carcinoma
8030/3	Giant cell and spindle cell carcinoma
8031/3	Giant cell carcinoma
8032/3	Spindle cell carcinoma
8033/3	Pseudosarcomatous carcinoma
8034/3	Polygonal cell carcinoma
8035/3	Carcinoma with osteoclast-like giant cells
8040/0	Tumorlet, benign
8040/1	Tumorlet, NOS
8041/3	Small cell carcinoma, NOS
8042/3	Oat cell carcinoma
8043/3	Small cell carcinoma, fusiform cell
8044/3	Small cell carcinoma, intermediate cell
8045/3	Combined small cell carcinoma
8046/3	Non-small cell carcinoma
8050/2	Papillary carcinoma in situ
8050/3	Papillary carcinoma, NOS
8051/3	Verrucous carcinoma, NOS
8052/2	Papillary squamous cell carcinoma, non-invasive
8052/3	Papillary squamous cell carcinoma
8053/0	Squamous cell papilloma, inverted
8054/0	Warty dyskeratoma
8054/3	Warty carcinoma
8070/2	Squamous cell carcinoma in situ, NOS
8070/3	Squamous cell carcinoma, NOS

Histology/Behaviour	Description
8071/2	Sq. cell carcinoma, keratinizing, NOS, in situ
8071/3	Sq. cell carcinoma, keratinizing, NOS
8072/2	Sq. cell carcinoma, lg. cell, non-ker., in situ
8072/3	Sq. cell carcinoma, lg. cell, non-ker.
8073/3	Sq. cell carcinoma, sm. cell, non-ker.
8074/3	Sq. cell carcinoma, spindle cell
8075/3	Squamous cell carcinoma, adenoid
8076/2	Sq. cell carc. in situ with question. stromal invas.
8076/3	Sq. cell carcinoma, micro-invasive
8077/2	Squamous intraepithelial neoplasia, grade III
8078/3	Squamous cell carcinoma with horn formation
8080/2	Queyrat erythroplasia
8081/2	Bowen disease
8082/3	Lymphoepithelial carcinoma
8083/3	Basaloid squamous cell carcinoma
8084/3	Squamous cell carcinoma, clear cell type
8085/3	Squamous cell carcinoma, HPV positive
8086/3	Squamous cell carcinoma, HPV negative
8090/3	Basal cell carcinoma, NOS
8091/3	Multifocal superficial basal cell carcinoma
8092/3	Infiltrating basal cell carcinoma, NOS
8093/3	Basal cell carcinoma, fibroepithelial
8094/3	Basosquamous carcinoma
8095/3	Metatypical carcinoma
8097/3	Basal cell carcinoma, nodular
8098/3	Adenoid basal cell carcinoma
8100/0	Trichoepithelioma
8100/3	Trichoblastic carcinoma
8102/3	Trichilemmocarcinoma
8110/3	Pilomatrix carcinoma
8120/2	Transitional cell carcinoma in situ
8120/3	Transitional cell carcinoma, NOS
8121/3	Schneiderian carcinoma
8122/3	Trans. cell carcinoma, spindle cell
8123/3	Basaloid carcinoma
8124/3	Cloacogenic carcinoma
8130/2	Papillary trans. cell carcinoma, non-invasive
8130/3	Papillary trans. cell carcinoma
8131/3	Transitional cell carcinoma, micropapillary
8140/0	Adenoma, NOS
8140/2	Adenocarcinoma in situ
8140/3	Adenocarcinoma, NOS
8141/3	Scirrhus adenocarcinoma
8142/3	Linitis plastica
8143/3	Superficial spreading adenocarcinoma
8144/3	Adenocarcinoma, intestinal type

Histology/Behaviour	Description
8145/3	Carcinoma, diffuse type
8146/0	Monomorphic adenoma
8147/3	Basal cell adenocarcinoma
8148/2	Glandular intraepithelial neoplasia, grade III
8150/3	Islet cell carcinoma
8151/3	Insulinoma, malignant
8152/3	Glucagonoma, malignant
8153/3	Gastrinoma, malignant
8154/3	Mixed islet cell & exocrine adenocarcinoma
8155/3	Vipoma
8156/3	Somatostatinoma, malignant
8157/3	Enteroglucagonoma, malignant
8158/3	ACTH-producing tumor
8160/3	Cholangiocarcinoma
8161/3	Bile duct cystadenocarcinoma
8162/3	Klatskin tumour
8163/0	Pancreatobiliary neoplasm, non-invasive
8163/2	Papillary neoplasm, pancreatobiliary type, with high grade intraepithelial neoplasia
8163/3	Pancreatobiliary type carcinoma
8170/3	Hepatocellular carcinoma, NOS
8171/3	Hepatocellular carcinoma, fibrolamellar
8172/3	Hepatocellular carcinoma, scirrhous
8173/3	Hepatocellular carcinoma, spindle cell variant
8174/3	Hepatocellular carcinoma, clear cell type
8175/3	Hepatocellular carcinoma, pleomorphic type
8180/3	Comb. hepatocel. carcinoma & cholangiocarcinoma
8190/3	Trabecular adenocarcinoma
8191/0*	Embryonal adenoma
8200/3	Adenoid cystic carcinoma
8201/2	Cribriiform carcinoma in situ
8201/3	Cribriiform carcinoma
8210/2	Adenocarcinoma in situ in adenomatous polyp
8210/3	Adenocarcinoma in adenomatous polyp
8211/3	Tubular adenocarcinoma
8213/0	Serrated adenoma, NOS
8214/3	Parietal cell carcinoma
8215/3	Adenocarcinoma of anal glands
8220/2	Adenocarcinoma in situ in familial polyp. coli
8220/3	Adenocarcinoma in adenoma. polyposis coli
8221/2	Adenocarc. in situ in mult. adenomatous polyps
8221/3	Adenocarcinoma in mult. adenomatous polyps
8230/2	Duct carcinoma in situ, solid type
8230/3	Solid carcinoma, NOS
8231/3	Carcinoma simplex
8240/3	Carcinoid tumour, malignant

Histology/Behaviour	Description
8241/3	Enterochromaffin cell carcinoid
8242/3	Enterochromaffin-like cell tumour, malignant
8243/3	Goblet cell carcinoid
8244/3	Composite carcinoid
8245/3	Adenocarcinoid tumour
8246/3	Neuroendocrine carcinoma
8247/3	Merkel cell carcinoma
8249/3	Atypical carcinoid tumour
8250/3	Bronchiolo-alveolar adenocarcinoma
8251/3	Alveolar adenocarcinoma
8252/3	Bronchiolo-alveolar carcinoma, non-mucinous
8253/3	Bronchiolo-alveolar carcinoma, mucinous
8254/3	Bronch.-alv. carc., mixed mucin. and non-mucinous
8255/3	Adenocarcinoma with mixed subtypes
8260/0	Papillary adenoma, NOS
8260/3	Papillary adenocarcinoma, NOS
8261/2	Adenocarcinoma in situ in villous adenoma
8261/3	Adenocarcinoma in villous adenoma
8262/3	Villous adenocarcinoma
8263/2	Adenocarcinoma in situ in tubulovillous adenoma
8263/3	Adenocarcinoma in tubulovillous adenoma
8264/0	Papillomatosis, glandular
8270/0	Chromophobe adenoma
8270/3	Chromophobe carcinoma
8271/0	Prolactinoma
8272/0	Pituitary adenoma, NOS
8272/3	Pituitary carcinoma, NOS
8280/0	Acidophil adenoma
8280/3	Acidophil carcinoma
8281/0	Mixed acidophil-basophil adenoma
8281/3	Mixed acidophil-basophil carcinoma
8290/0	Oxyphilic adenoma
8290/3	Oxyphilic adenocarcinoma
8300/0	Basophil adenoma
8300/3	Basophil carcinoma
8310/0	Clear cell adenoma
8310/3	Clear cell adenocarcinoma, NOS
8312/3	Renal cell carcinoma
8313/3	Clear cell adenocarcinofibroma
8314/3	Lipid-rich carcinoma
8315/3	Glycogen-rich carcinoma
8316/3	Cyst-associated renal cell carcinoma
8317/3	Renal cell carcinoma, chromophobe type
8318/3	Renal cell carcinoma, sarcomatoid
8319/3	Collecting duct carcinoma
8320/3	Granular cell carcinoma

Histology/Behaviour	Description
8322/3	Water-clear cell adenocarcinoma
8323/0	Mixed cell adenoma
8323/3	Mixed cell adenocarcinoma
8330/3	Follicular adenocarcinoma, NOS
8331/3	Follicular adenocarcinoma well diff.
8332/3	Follicular adenocarcinoma trabecular
8333/3	Foetal adenocarcinoma
8334/0	Macrofollicular adenoma
8335/3	Follicular carcinoma, minimally invasive
8337/3	Insular carcinoma
8340/3	Papillary carcinoma, follicular variant
8341/3	Papillary microcarcinoma
8342/3	Papillary carcinoma, oxyphilic cell
8343/3	Papillary carcinoma, encapsulated
8344/3	Papillary carcinoma, columnar cell
8345/3	Medullary carcinoma with amyloid stroma
8346/3	Mixed medullary-follicular carcinoma
8347/3	Mixed medullary-papillary carcinoma
8350/3	Nonencapsulated sclerosing carcinoma
8360/1	Multiple endocrine adenomas
8370/3	Adrenal cortical carcinoma
8380/3	Endometrioid carcinoma
8381/3	Endometrioid adenofibroma, malignant
8382/3	Endometrioid adenocarcinoma, secretory variant
8383/3	Endometrioid adenocarcinoma, ciliated cell variant
8384/3	Adenocarcinoma, endocervical type
8390/3	Skin appendage carcinoma
8400/3	Sweat gland adenocarcinoma
8401/3	Apocrine adenocarcinoma
8402/3	Nodular hidradenoma, malignant
8403/3	Malignant eccrine spiradenoma
8405/0	Papillary hidradenoma
8407/3	Sclerosing sweat duct carcinoma
8408/3	Eccrine papillary adenocarcinoma
8409/3	Eccrine poroma, malignant
8410/3	Sebaceous adenocarcinoma
8413/3	Eccrine adenocarcinoma
8420/3	Ceruminous adenocarcinoma
8430/3	Mucoepidermoid carcinoma
8440/3	Cystadenocarcinoma, NOS
8441/3	Serous cystadenocarcinoma, NOS
8442/1	Serous cystadenoma, borderline malignancy (C56.9)
8443/0	Clear cell cystadenoma
8450/3	Papillary cystadenocarcinoma, NOS
8451/1	Papillary cystadenoma, borderline malignancy (C56.9)
8452/3	Solid pseudopapillary carcinoma

Histology/Behaviour	Description
8453/2	Intraductal papillary-mucinous carcinoma, non-inv.
8453/3	Intraductal papillary-mucinous carcinoma, invasive
8454/0	Cystic tumor of atrio-ventricular node
8460/3	Papillary serous cystadenocarcinoma
8461/3	Serous surface papillary carcinoma
8462/1	Serous papillary cystic tumour of borderline malignancy (C56.9)
8470/2	Mucinous cystadenocarcinoma, non-invasive
8470/3	Mucinous cystadenocarcinoma, NOS
8471/3	Papillary mucinous cystadenocarcinoma
8472/1	Mucinous cystic tumour of borderline malignancy (C56.9)
8473/1	Papillary mucinous cystadenoma, borderline malignancy (C56.9)
8474/0	Seromucinous cystadenoma
8474/1	Seromucinous borderline tumor
8480/3	Mucinous adenocarcinoma
8481/3	Mucin-producing adenocarcinoma
8482/3	Mucinous adenocarcinoma, endocervical type
8490/3	Signet ring cell carcinoma
8500/2	Intraductal carcinoma, noninfiltrating, NOS
8500/3	Infiltrating duct carcinoma, NOS
8501/2	Comedocarcinoma, non-infiltrating
8501/3	Comedocarcinoma, NOS
8502/3	Secretory carcinoma of breast
8503/2	Noninfiltrating intraductal papillary adenocarcinoma
8503/3	Intraductal papillary adenocarcinoma with invasion
8504/2	Noninfiltrating intracystic carcinoma
8504/3	Intracystic carcinoma, NOS
8507/2	Intraductal micropapillary carcinoma
8508/3	Cystic hypersecretory carcinoma
8510/3	Medullary carcinoma, NOS
8511/3*	Medullary carcinoma with amyloid stroma
8512/3	Medullary carcinoma with lymphoid stroma
8513/3	Atypical medullary carcinoma
8514/3	Duct carcinoma, desmoplastic type
8520/2	Lobular carcinoma in situ
8520/3	Lobular carcinoma, NOS
8521/3	Infiltrating ductular carcinoma
8522/2	Intraductal and lobular in situ carcinoma
8522/3	Infiltrating duct and lobular carcinoma
8523/2	Infiltr. duct mixed with other types of carcinoma, in situ
8523/3	Infiltr. duct mixed with other types of carcinoma
8524/3	Infiltrating lobular mixed with other types of carc.
8525/3	Polymorphous low grade adenocarcinoma
8530/3	Inflammatory carcinoma
8540/3	Paget disease, mammary
8541/3	Paget dis. & infil. duct carcinoma
8542/3	Paget disease, extramammary

Histology/Behaviour	Description
8543/3	Paget disease and intraductal ca.
8550/3	Acinar cell carcinoma
8551/3	Acinar cell cystadenocarcinoma
8560/3	Adenosquamous carcinoma
8561/3	Warthin tumour, malignant
8562/3	Epithelial-myoepithelial carcinoma
8570/3	Adenocarcinoma with squamous metaplasia
8571/3	Adenocarcinoma w cartilag. & oss. metaplas.
8572/3	Adenocarcinoma with spindle cell mataplasia
8573/3	Adenocarcinoma with apocrine metaplasia
8574/3	Adenocarcinoma with neuroendocrine differen.
8575/3	Metaplastic carcinoma, NOS
8576/3	Hepatoid adenocarcinoma
8580/3	Thymoma, malignant, NOS
8581/3	Thymoma, type A, malignant
8582/3	Thymoma, type AB, malignant
8583/3	Thymoma, type B1, malignant
8584/3	Thymoma, type B2, malignant
8585/3	Thymoma, type B3, malignant
8586/3	Thymic carcinoma, NOS
8588/3	Spindle epithelial tumour with thymus-like element
8589/3	Carcinoma showing thymus-like element
8590/3	Ovarian stromal tumour, mal.
8591/1*	Sex cord-gonadal stromal tumour, incompletely differentiated
8592/1*	Sex cord-gonadal stromal tumour, mixed forms
8593/1*	Stromal tumour with minor sex cord elements
8600/3	Thecoma, malignant
8620/3	Granulosa cell tumour, malignant
8621/3	Granulosa cell-theca cell tumour, mal.
8630/3	Androblastoma, malignant
8631/3	Sertoli-Leydig cell tumour, poorly differentiated
8632/3	Gynandroblastoma, malignant
8634/3	Sertoli-Leydig cl tum., p.d. w heterologous elements
8640/3	Sertoli cell carcinoma
8650/3	Leydig cell tumour, malignant
8670/3	Steroid cell tumour, malignant
8680/1	Paraganglioma, NOS
8680/3	Paraganglioma, malignant
8681/3	Sympathetic paraganglioma
8690/3	Glomus jugulare tumor, NOS
8691/3	Aortic body tumour, malignant
8692/3	Carotid body tumour, malignant
8693/3	Extra-adrenal paraganglioma, malignant
8700/3	Pheochromocytoma
8710/3	Glomangiosarcoma
8711/0*	Glomus tumour, NOS

Histology/Behaviour	Description
8711/3*	Glomus tumour, malignant
8720/2	Melanoma in situ
8720/3	Malignant melanoma, NOS
8721/3	Nodular melanoma
8722/3	Balloon cell melanoma
8723/3	Malignant melanoma, regressing
8727/0	Dysplastic nevus
8728/0	Diffuse melanocytosis
8728/1	Meningeal melanocytoma
8728/3	Meningeal melanomatosis
8730/3	Amelanotic melanoma
8740/3	Mal. melanoma in junctional nevus
8741/2	Precancerous melanosis, NOS
8741/3	Mal. melanoma in precan. melanosis
8742/2	Lentigo maligna
8742/3	Lentigo maligna melanoma
8743/2	Superficial spreading melanoma, in situ
8743/3	Superficial spreading melanoma
8744/3	Acral lentiginous melanoma, malig.
8745/3	Desmoplastic melanoma, malignant
8746/3	Mucosal lentiginous melanoma
8761/3	Mal. melanoma in giant pigmented nevus
8770/3	Mixed epithel. & spindle cell melanoma
8771/3	Epithelioid cell melanoma
8772/3	Spindle cell melanoma, NOS
8773/3	Spindle cell melanoma, type A
8774/3	Spindle cell melanoma, type B
8780/3	Blue nevus, malignant
8800/0	Soft tissue tumour, benign
8800/3	Sarcoma, NOS
8801/3	Spindle cell sarcoma
8802/3	Giant cell sarcoma
8803/3	Small cell sarcoma
8804/3	Epithelioid sarcoma
8805/3	Undifferentiated sarcoma
8806/3	Desmoplastic small round cell tumour
8810/0	Fibroma, NOS
8810/3	Fibrosarcoma, NOS
8811/3	Fibromyxosarcoma
8812/3	Periosteal fibrosarcoma
8813/3	Fascial fibrosarcoma
8814/3	Infantile fibrosarcoma
8815/0	Solitary fibrous tumour
8815/3	Solitary fibrous tumour, malignant
8821/1	Aggressive fibromatosis
8822/1	Abdominal fibromatosis

Histology/Behaviour	Description
8823/0	Sclerotic fibroma
8823/1	Desmoplastic fibroma
8824/0	Myofibroma
8824/1	Myofibromatosis
8825/0	Myofibroblastoma
8825/1	Myofibroblastic tumor, NOS
8825/3	Myofibroblastic sarcoma
8830/3	Fibrous histiocytoma, malignant
8832/3	Dermatofibrosarcoma, NOS
8833/3	Pigmented dermatofibrosarcoma protuberans
8840/3	Myxosarcoma
8841/0	Angiomyxoma, NOS
8850/0	Lipoma, NOS
8850/1	Atypical lipoma
8850/3	Liposarcoma, NOS
8851/0	Fibrolipoma
8851/3	Liposarcoma, well differentiated
8852/3	Myxoid liposarcoma
8853/3	Round cell liposarcoma
8854/3	Pleomorphic liposarcoma
8855/3	Mixed type liposarcoma
8857/3	Fibroblastic liposarcoma
8858/3	Dedifferentiated liposarcoma
8860/0	Angiomyolipoma
8860/1	Angiomyolipoma, epithelioid
8861/0	Angiolipoma, NOS
8890/0	Leiomyoma, NOS
8890/1	Leiomyomatosis, nOS
8890/3	Leiomyosarcoma, NOS
8891/3	Epithelioid leiomyosarcoma
8892/0	Cellular leiomyoma
8893/0	Bizarre leiomyoma
8894/3	Angiomyosarcoma
8895/3	Myosarcoma
8896/3	Myxoid leiomyosarcoma
8897/1	Smooth muscle tumour, NOS
8900/0	Rhabdomyoma, NOS
8900/3	Rhabdomyosarcoma, NOS
8901/3	Pleomorphic rhabdomyosarcoma, adult type
8902/3	Mixed type rhabdomyosarcoma
8910/3	Embryonal rhabdomyosarcoma
8912/3	Spindle cell rhabdomyosarcoma
8920/3	Alveolar rhabdomyosarcoma
8921/3	Rhabdomyosarcoma with ganglionic differentiation
8930/3	Endometrial stromal sarcoma
8931/3	Endometrial stromal sarcoma, low grade

Histology/Behaviour	Description
8933/3	Adenosarcoma
8934/3	Carcinofibroma
8935/3	Stromal sarcoma, NOS
8936/3	Gastrointestinal stromal sarcoma
8940/3	Mixed tumour, malignant, NOS
8941/3	Carcinoma in pleomorphic adenoma
8950/3	Mullerian mixed tumour
8951/3	Mesodermal mixed tumour
8959/3	Malignant cystic nephroma
8960/3	Nephroblastoma, NOS
8963/3	Malignant rhabdoid tumour
8964/3	Clear cell sarcoma of kidney
8970/3	Hepatoblastoma
8971/3	Pancreatoblastoma
8972/3	Pulmonary blastoma
8973/3	Pleuropulmonary blastoma
8980/3	Carcinosarcoma, NOS
8981/3	Carcinosarcoma, embryonal type
8982/3	Malignant myoepithelioma
8990/3	Mesenchymoma, malignant
8991/3	Embryonal sarcoma
9000/3	Brenner tumour, malignant
9013/0	Adenofibroma, NOS
9014/3	Serous adenocarcinofibroma
9015/3	Mucinous adenocarcinofibroma
9020/3	Phyllodes tumour, malignant
9040/3	Synovial sarcoma, NOS
9041/3	Synovial sarcoma, spindle cell
9042/3	Synovial sarcoma, epithelioid cell
9043/3	Synovial sarcoma, biphasic
9044/3	Clear cell sarcoma, NOS (except of kidney M-8964/3)
9050/3	Mesothelioma, malignant
9051/3	Fibrous mesothelioma, malignant
9052/3	Epithel. mesothelioma, mal.
9053/3	Mesothelioma, biphasic, malignant
9054/0	Adenomatoid tumor, NOS
9060/3	Dysgerminoma
9061/3	Seminoma, NOS
9062/3	Seminoma, anaplastic
9063/3	Spermatocytic seminoma
9064/2	Intratubular malignant germ cells
9064/3	Germinoma
9065/3	Germ cell tumour, nonseminomatous
9070/3	Embryonal carcinoma, NOS
9071/3	Yolk sac tumour
9072/3	Polyembryoma

Histology/Behaviour	Description
9073/1	Gonadoblastoma
9080/0	Teratoma, benign
9080/1	Teratoma, NOS
9080/3	Teratoma, malignant, NOS
9081/3	Teratocarcinoma
9082/3	Malignant teratoma, undiff.
9083/3	Malignant teratoma, intermediate
9084/0	Dermoid cyst, NOS
9084/3	Teratoma with malig. transformation
9085/3	Mixed germ cell tumour
9090/3	Struma ovarii, malignant
9091/1	Strumal carcinoid
9100/3	Choriocarcinoma
9101/3	Choriocarcinoma combined w/ other germ cell elements
9102/3	Malignant teratoma, trophoblastic
9103/0	Partial hydatidiform mole
9104/3	Malignant placental site trophoblastic tumour
9105/3	Trophoblastic tumour, epithelioid
9110/3	Mesonephroma, malignant
9120/0	Hemangioma, NOS
9120/3	Hemangiosarcoma
9121/0	Cavernous hemangioma
9122/0	Venous hemangioma
9124/3	Kupffer cell sarcoma
9130/0	Hemangioendothelioma, benign
9130/1	Hemangioendothelioma, NOS
9130/3	Hemangioendothelioma, malignant
9131/0	Capillary hemangioma
9133/3	Epithelioid hemangioendothelioma, malignant
9140/3	Kaposi sarcoma
9150/0	Hemangiopericytoma, benign
9150/1	Hemangiopericytoma, NOS
9150/3	Hemangiopericytoma, malignant
9160/0	Angiofibroma, NOS
9161/1	Hemangioblastoma
9170/3	Lymphangiosarcoma
9174/0	Lymphangiomyoma
9174/1	Lymphangioliomyomatosis
9180/3	Osteosarcoma, NOS
9181/3	Chondroblastic osteosarcoma
9182/3	Fibroblastic osteosarcoma
9183/3	Telangiectatic osteosarcoma
9184/3	Osteosarcoma in Paget disease
9185/3	Small cell osteosarcoma
9186/3	Central osteosarcoma
9187/3	Introsseous well differentiated osteosarcoma

Histology/Behaviour	Description
9192/3	Parosteal osteosarcoma
9193/3	Periosteal osteosarcoma
9194/3	High grade surface osteosarcoma
9195/3	Intracortical osteosarcoma
9210/0	Osteochondroma
9210/1	Ecchondrosis
9220/3	Chondrosarcoma, NOS
9221/3	Juxtacortical chondrosarcoma
9230/3	Chondroblastoma, malignant
9231/3	Myxoid chondrosarcoma
9240/3	Mesenchymal chondrosarcoma
9242/3	Clear cell chondrosarcoma
9243/3	Dedifferentiated chondrosarcoma
9250/3	Giant cell tumour of bone, malignant
9251/3	Malignant giant cell tumour of soft parts
9252/3	Malignant tenosynovial giant cell tumour
9260/3	Ewing sarcoma
9261/3	Adamantinoma of long bones
9270/3	Odontogenic tumour, malignant
9290/3	Ameloblastic odontosarcoma
9310/3	Ameloblastoma, malignant
9330/3	Ameloblastic fibrosarcoma
9342/3	Odontogenic carcinosarcoma
9350/1	Craniopharyngioma
9351/1	Adamantinomatous craniopharyngioma
9352/1	Papillary craniopharyngioma
9360/1	Pinealoma, NOS
9361/1	Pineocytoma
9362/3	Pineoblastoma
9363/0	Melanotic neuroectodermal tumor
9364/3	Peripheral neuroectodermal tumour
9365/3	Askin tumour
9370/3	Chordoma, NOS
9371/3	Chondroid chordoma
9372/3	Dedifferentiated chordoma
9380/3	Glioma, malignant
9381/3	Gliomatosis cerebri
9382/3	Mixed glioma
9383/1	Subependymoma
9384/1	Supependymal giant cell astrocytoma
9390/0	Choroid plexus papilloma, NOS
9390/1	Atypical choroid plexus papilloma
9390/3	Choroid plexus papilloma, malignant
9391/3	Ependymoma, NOS
9392/3	Ependymoma, anaplastic
9393/3	Papillary ependymoma

Histology/Behaviour	Description
9394/1	Myxopapillary ependymoma
9400/3	Astrocytoma, NOS
9401/3	Astrocytoma, anaplastic
9410/3	Protoplasmic astrocytoma
9411/3	Gemistocytic astrocytoma
9412/1	Desmoplastic infantile astrocytoma
9413/0	Dysembryoplastic neuroepithelial tumour
9420/3	Fibrillary astrocytoma
9421/1	Pilocytic astrocytoma
9421/3	Pilocytic astrocytoma
9423/3	Polar spongioblastoma
9424/3	Pleomorphic xanthoastrocytoma
9430/3	Astroblastoma
9440/3	Glioblastoma, NOS
9441/3	Giant cell glioblastoma
9442/1	Gliofibroma
9442/3	Gliosarcoma
9444/1	Chordoid glioma
9445/3	Glioblastoma, IDH-mutant
9450/3	Oligodendroglioma, NOS
9451/3	Oligodendroglioma, anaplastic
9460/3	Oligodendroblastoma
9470/3	Medulloblastoma, NOS
9471/3	Desmoplastic medulloblastoma
9472/3	Medullomyoblastoma
9473/3	Primitive neuroectodermal tumour
9474/3	Large cell medulloblastoma
9480/3	Cerebellar sarcoma, NOS
9490/0	Ganglioneuroma
9490/3	Ganglioneuroblastoma
9492/0	Gangliocytoma
9493/0	Dysplastic gangliocytoma of cerebellum (Lhermitte-Duclos)
9500/3	Neuroblastoma, NOS
9501/3	Medulloepithelioma, NOS
9502/3	Teratoid medulloepithelioma
9503/3	Neuroepithelioma, NOS
9504/3	Spongioneuroblastoma
9505/1	Ganglioglioma, NOS
9505/3	Ganglioglioma, anaplastic
9506/1	Central neurocytoma
9508/3	Atypical teratoid/rhabdoid tumour
9510/3	Retinoblastoma, NOS
9511/3	Retinoblastoma, differentiated
9512/3	Retinoblastoma, undifferentiated
9513/3	Retinoblastoma, diffuse
9520/3	Olfactory neurogenic tumour

Histology/Behaviour	Description
9521/3	Olfactory neurcytoma
9522/3	Olfactory neuroblastoma
9523/3	Olfactory neuroepithelioma
9530/0	Meningioma, NOS
9530/1	Meningiomatosis, NOS
9530/3	Meningioma, malignant
9531/0	Meningothelial meningioma
9532/0	Fibrous meningioma
9533/0	Psammomatous meningioma
9534/0	Angiomatous meningioma
9537/0	Transitional meningioma
9538/1	Clear cell meningioma
9538/3	Papillary meningioma
9539/1	Atypical meningioma
9539/3	Meningeal sarcomatosis
9540/0	Neurofibroma, NOS
9540/1	Neurofibromatosis, NOS
9540/3	Malignant peripheral nerve sheath tumour
9541/0	Melanotic neurofibroma
9550/0	Plexiform neurofibroma
9560/0	Neurilemoma, NOS
9560/1	Neurinomatosis
9560/3	Neurilemmoma, malignant
9561/3	MPNST with rhabdomyoblastic differentiation
9562/0	Neurothekeoma
9570/0	Neuroma, NOS
9571/0	Perineurioma, NOS
9571/3	Perineurioma, malignant
9580/0	Granular cell tumour, NOS
9580/3	Granular cell tumour, malignant
9581/3	Alveolar soft part sarcoma
9582/0	Granular cell tumour of the sellar region
9590/3	Malignant lymphoma, NOS
9591/3	Malignant lymphoma, non-Hodgkin
9596/3	Composite Hodgkin and non-Hodgkin lymphoma
9597/3	Primary Cutaneous follicle centre lymphoma
9650/3	Hodgkin lymphoma, NOS
9651/3	Hodgkin lymphoma, lymphocyte-rich
9652/3	Hodgkin lymphoma, mixed cellularity, NOS
9653/3	Hodgkin lymphoma, lymphocytic deplet., NOS
9654/3	Hodgkin lymph., lymphocyt. deplet., diffuse fibrosis
9655/3	Hodgkin lymphoma, lymphocyt. deplet., reticular
9659/3	Hodgkin lymph., nodular lymphocyte predom.
9661/3	Hodgkin granuloma [obs]
9662/3	Hodgkin sarcoma [obs]
9663/3	Hodgkin lymphoma, nodular sclerosis, NOS

Histology/Behaviour	Description
9664/3	Hodgkin lymphoma, nod. scler., cellular phase
9665/3	Hodgkin lymphoma, nod. scler., grade 1
9667/3	Hodgkin lymphoma, nod. scler., grade 2
9670/3	ML, small B lymphocytic, NOS
9671/3	ML, lymphoplasmacytic
9673/3	Mantle cell lymphoma
9675/3	ML, mixed sm. and lg. cell, diffuse
9678/3	Primary effusion lymphoma
9679/3	Mediastinal large B-cell lymphoma
9680/3	ML, large B-cell, diffuse
9684/3	ML, large B-cell, diffuse, immunoblastic, NOS
9687/3	Burkitt lymphoma, NOS
9688/3	T-cell histiocyte rich large B-cell lymphoma
9689/3	Splenic marginal zone B-cell lymphoma
9690/3	Follicular lymphoma, NOS
9691/3	Follicular lymphoma, grade 2
9695/3	Follicular lymphoma, grade 1
9698/3	Follicular lymphoma, grade 3
9699/3	Marginal zone B-cell lymphoma, NOS
9700/3	Mycosis fungoides
9701/3	Sezary syndrome
9702/3	Mature T-cell lymphoma, NOS
9705/3	Angioimmunoblastic T-cell lymphoma
9708/3	Subcutaneous panniculitis-like T-cell lymphoma
9709/3	Cutaneous T-cell lymphoma, NOS
9712/3	Intravascular large B-cell lymphoma
9714/3	Anaplastic large cell lymphoma, T-cell and Null cell type
9715/3	Anaplastic large cell lymphoma, ALK negative
9716/3	Hepatosplenic gamma-delta cell lymphoma
9717/3	Intestinal T-cell lymphoma
9718/3	Primary cutan. CD30+ T-cell lymphoprolif. disorder
9719/3	NK/T-cell lymphoma, nasal and nasal-type
9724/3	SystemicEBV pos. T-cell lymphoproliferative disease of childhood
9725/3	Hydroa vacciniforme-like lymphoma
9726/3	Primary Cutaneous gamma-delta T-cell lymphoma
9727/3	Precursor cell lymphoblastic lymphoma, NOS
9728/3	Precursor B-cell lymphoblastic lymphoma
9729/3	Precursor T-cell lymphoblastic lymphoma
9731/3	Plasmacytoma, NOS
9732/3	Multiple myeloma
9733/3	Plasma cell leukaemia
9734/3	Plasmacytoma, extramedullary
9735/3	Plasmablastic lymphoma
9737/3	ALK positive large B-cell lymphoma
9738/3	Lrg B-cell lymphoma in HHV8-assoc. multicentric Castleman DZ
9740/3	Mast cell sarcoma

Histology/Behaviour	Description
9741/3	Malignant mastocytosis
9742/3	Mast cell leukaemia
9750/3	Malignant histiocytosis
9751/3	Langerhans cell histiocytosis, NOS
9752/1*	Langerhans cell histiocytosis, unifocal
9753/1*	Langerhans cell histiocytosis, multifocal
9754/3	Langerhans cell histiocytosis, disseminated
9755/3	Histiocytic sarcoma
9756/3	Langerhans cell sarcoma
9757/3	Interdigitating dendritic cell sarcoma
9758/3	Follicular dendritic cell sarcoma
9759/3	Fibroblastic reticular cell tumour
9760/3	Immunoproliferative disease, NOS
9761/3	Waldenstrom macroglobulinemia
9762/3	Heavy chain disease, NOS
9764/3	Immunoproliferative small intestinal disease
9765/1	Monoclonal gammopathy of undetermined significance, NOS
9768/1	T-gamma lymphoproliferative disease
9769/1	Immunoglobulin deposition disease
9800/3	Leukaemia, NOS
9801/3	Acute leukaemia, NOS
9805/3	Acute biphenotypic leukaemia
9806/3	Mixed phenotype acute leukaemia with t(9;22)(q34;q11.2);BCR-ABL1
9807/3	Mixed phenotype acute leukaemia with t(v;11q23);MLL rearranged
9808/3	Mixed phenotype acute leukaemia, B/myeloid, NOS
9809/3	Mixed phenotype acute leukaemia, T/myeloid, NOS
9811/3	B lymphoblastic leukaemia/lymphoma, NOS
9812/3	Leukaemia/lymphoma with t(9;22)(q34;q11.2);BCR-ABL1
9813/3	Leukaemia/lymphoma with t(v;11q23);MLL rearranged
9814/3	Leukaemia/lymphoma with t(12;21)(p13;q22);TEL-AML1(ETV6-RUNX1)
9815/3	B lymphoblastic leukaemia/lymphoma with hyperdiploidy
9816/3	Leukaemia/lymphoma with hypodiploidy (hypodiploid ALL)
9817/3	B lymphoblastic leukaemia/lymphoma with t(5;14)(q31;q32);IL3-IGH
9818/3	Leukaemia/lymphoma with t(1;19)(q23;p13.3); E2A PBX1 (TCF3 PBX1)
9820/3	Lymphoid leukaemia, NOS
9823/3	Chronic lymphocytic leukaemia/small lymphocytic lymphoma
9826/3	Burkitt cell leukaemia
9827/3	Adult T-cell leukaemia/lymphoma (HTLV-1 pos.)
9828/3	Acute lymphoblastic leukaemia, L2 type, NOS
9831/3	T-cell large granular lymphocytic leukaemia
9832/3	Prolymphocytic leukaemia, NOS
9833/3	Prolymphocytic leukaemia, B-cell type
9834/3	Prolymphocytic leukaemia, T-cell type
9835/3	Precursor cell lymphoblastic leukaemia, NOS
9836/3	Precursor B-cell lymphoblastic leukaemia
9837/3	T lymphoblastic leukaemia/lymphoma

Histology/Behaviour	Description
9840/3	Acute myeloid leukaemia, M6 type
9860/3	Myeloid leukaemia, NOS
9861/3	Acute myeloid leukaemia
9863/3	Chronic myeloid leukaemia, NOS
9865/3	Acute myeloid leukaemia with t(6;9)(p23;q34) DEK-NUP214
9866/3	Acute promyelocytic leuk.,t(15;17)(q22;q11-12)
9867/3	Acute myelomonocytic leukaemia
9869/3	Acute myeloid leukaemia with inv(3)(q21q26.2) or t(3;3)(q21;q26.2);RPN1EV1
9870/3	Acute basophilic leukaemia
9871/3	Ac. myelomonocytic leuk. w abn. mar. eosinophils
9872/3	Acute myeloid leukaemia, minimal differentiation
9873/3	Acute myeloid leukaemia without maturation
9874/3	Acute myeloid leukaemia with maturation
9875/3	Chronic myelogenous leukaemia, BCR/ABL positive
9876/3	Atypical chronic myeloid leuk., BCR/ABL negative
9891/3	Acute monocytic leukaemia
9895/3	Acute myeloid leuk. with multilineage dysplasia
9896/3	Acute myeloid leukaemia, t(8;21)(q22;q22)
9897/3	Acute myeloid leukaemia, 11q23 abnormalities
9898/3	Myeloid leukaemia associated with Down Syndrome
9910/3	Acute megakaryoblastic leukaemia
9911/3	Acute myeloid leukaemia (megakaryoblastic) with t(1;22)(p13;q13);RBM15-MLK1
9920/3	Therapy-related acute myeloid leukaemia, NOS
9930/3	Myeloid sarcoma
9931/3	Acute panmyelosis with myelofibrosis
9940/3	Hairy cell leukaemia
9945/3	Chronic myelomonocytic leukaemia, NOS
9946/3	Juvenile myelomonocytic leukaemia
9948/3	Aggressive NK-cell leukaemia
9950/3	Polycythemia vera
9960/3	Chronic myeloproliferative disease, NOS
9961/3	Myelosclerosis with myeloid metaplasia
9962/3	Essential thrombocythemia
9963/3	Chronic neutrophilic leukaemia
9964/3	Hypereosinophilic syndrome
9965/3	Myeloid and lymphoid neoplasms with PDGFRB rearrangement
9966/3	Myeloid and lymphoid neoplasms with PDGFRB re arrangement
9967/3	Myeloid and lymphoid neoplasm with FGFR1 abnormalities
9970/1	Lymphoproliferative disorder, NOS
9971/3	Polymorphic PTLD
9975/3	Myelodysplastic/Myeloproliferative neoplasm, unclassifiable
9980/3	Refractory anaemia
9982/3	Refractory anaemia with sideroblasts
9983/3	Refractory anaemia with excess blasts

Histology/Behaviour	Description
9984/3	Refract. anaemia with excess blasts in transformation
9985/3	Refractory cytopenia with multilineage dysplasia
9986/3	Myelodysplastic syndr. with 5q deletion syndrome
9987/3	Therapy-related myelodysplastic syndrome, NOS
9989/3	Myelodysplastic syndrome, NOS
9991/3	Refractory neutropenia
9992/3	Refractory thrombocytopenia
9993/3	Myelodysplastic syndrome with ring sideroblasts and multilineage dysplasia

* Code referenced from ICD-O-3 provided from the WHO