

APPENDIX 1: NEW ICD-O, THIRD EDITION, CODES

(The following 4-digit morphology codes did not exist in ICD-O, Second Edition.)

A term without a number is a synonym for the preceding code.

8005/0	Clear cell tumor, NOS
8005/3	Malignant tumor, clear cell type
8013/3	Large cell neuroendocrine carcinoma
8014/3	Large cell carcinoma with rhabdoid phenotype
8015/3	Glassy cell carcinoma
8035/3	Carcinoma with osteoclast-like giant cells
8046/3	Non-small cell carcinoma (C34._)
8078/3	Squamous cell carcinoma with horn formation
8083/3	Basaloid squamous cell carcinoma
8084/3	Squamous cell carcinoma, clear cell type
8097/3	Basal cell carcinoma, nodular (C44._)
	Basal cell carcinoma, micronodular (C44._)
8098/3	Adenoid basal carcinoma (C53._)
8103/0	Pilar tumor (C44._)
	Proliferating trichilemmal cyst
	Proliferating trichilemmal tumor
8131/3	Transitional cell carcinoma, micropapillary (C67._)
8148/2	Glandular intraepithelial neoplasia, grade III
	Prostatic intraepithelial neoplasia, grade III (C61.9)
	PIN III (C61.9)
8149/0	Canalicular adenoma
8156/1	Somatostatinoma, NOS
	Somatostatin cell tumor, NOS
8156/3	Somatostatinoma, malignant
	Somatostatin cell tumor, malignant
8157/1	Enteroglucagonoma, NOS
8157/3	Enteroglucagonoma, malignant
8172/3	Hepatocellular carcinoma, scirrhous (C22.0)
	Sclerosing hepatic carcinoma (C22.0)
8173/3	Hepatocellular carcinoma, spindle cell variant (C22.0)
	Hepatocellular carcinoma, sarcomatoid (C22.0)
8174/3	Hepatocellular carcinoma, clear cell type (C22.0)
8175/3	Hepatocellular carcinoma, pleomorphic type (C22.0)
8204/0	Lactating adenoma (C50._)
8212/0	Flat adenoma
8213/0	Serrated adenoma (C18._)
	Mixed adenomatous and hyperplastic polyp (C18._)
8214/3	Parietal cell carcinoma (C16._)
	Parietal cell adenocarcinoma (C16._)
8215/3	Adenocarcinoma of anal glands (C21.1)
	Adenocarcinoma of anal ducts (C21.1)
8242/1	Enterochromaffin-like cell carcinoid, NOS
	ECL cell carcinoid, NOS
8242/3	Enterochromaffin-like cell tumor, malignant
	ECL cell carcinoid, malignant
8249/3	Atypical carcinoid tumor

Appendix 1: New ICD-O, Third Edition, Codes

8252/3	Bronchiolo-alveolar carcinoma, non-mucinous (C34.) Bronchiolo-alveolar carcinoma, Clara cell (C34.) Bronchiolo-alveolar carcinoma, type II pneumocyte (C34.)
8253/3	Bronchiolo-alveolar carcinoma, mucinous (C34.) Bronchiolo-alveolar carcinoma, goblet cell type (C34.)
8254/3	Bronchiolo-alveolar carcinoma, mixed mucinous and non-mucinous (C34.) Bronchiolo-alveolar carcinoma, Clara cell and goblet cell type (C34.) Bronchiolo-alveolar carcinoma, type II pneumocyte and goblet cell type (C34.) Bronchiolo-alveolar carcinoma, indeterminate type (C34.)
8255/3	Adenocarcinoma with mixed subtypes Adenocarcinoma combined with other types of carcinoma
8264/0	Papillomatosis, glandular Biliary papillomatosis (C22.1, C24.0)
8272/0	Pituitary adenoma, NOS (C75.1)
8272/3	Pituitary carcinoma, NOS (C75.1)
8316/3	Cyst-associated renal cell carcinoma (C64.9)
8317/3	Renal cell carcinoma, chromophobe cell (C64.9) Chromophobe cell renal carcinoma (C64.9)
8318/3	Renal cell carcinoma, sarcomatoid (C64.9) Renal cell carcinoma, spindle cell (C64.9)
8319/3	Collecting duct carcinoma (C64.9) Bellini duct carcinoma (C64.9) Renal carcinoma, collecting duct type (C64.9)
8325/0	Metanephric adenoma (C64.9)
8335/3	Follicular carcinoma, minimally invasive (C73.9) Follicular carcinoma, encapsulated (C73.9)
8336/0	Hyalinizing trabecular adenoma (C73.9)
8337/3	Insular carcinoma (C73.9)
8341/3	Papillary microcarcinoma (C73.9)
8342/3	Papillary carcinoma, oxyphilic cell (C73.9)
8343/3	Papillary carcinoma, encapsulated (C73.9)
8344/3	Papillary carcinoma, columnar cell (C73.9) Papillary carcinoma, tall cell (C73.9)
8346/3	Mixed medullary-follicular carcinoma (C73.9)
8347/3	Mixed medullary-papillary carcinoma (C73.9)
8382/3	Endometrioid adenocarcinoma, secretory variant
8383/3	Endometrioid adenocarcinoma, ciliated cell variant
8384/3	Adenocarcinoma, endocervical type
8391/0	Follicular fibroma (C44.) Trichodiscoma (C44.) Fibrofolliculoma (C44.) Perifollicular fibroma (C44.)
8392/0	Syringofibroadenoma (C44.)
8409/3	Eccrine poroma, malignant Porocarcinoma (C44.)
8413/3	Eccrine adenocarcinoma (C44.)
8443/0	Clear cell cystadenoma (C56.9)
8444/1	Clear cell cystic tumor of borderline malignancy (C56.9) Atypical proliferating clear cell tumor (C56.9)
8453/0	Intraductal papillary-mucinous adenoma (C25.)
8453/1	Intraductal papillary-mucinous tumor with moderate dysplasia (C25.)
8453/2	Intraductal papillary-mucinous carcinoma, non-invasive (C25.)
8453/3	Intraductal papillary-mucinous carcinoma, invasive (C25.)

8454/0	Cystic tumor of atrio-ventricular node (C38.0)
8463/1	Serous surface papillary tumor of borderline malignancy (C56.9)
8482/3	Mucinous adenocarcinoma, endocervical type
8507/2	Intraductal micropapillary carcinoma (C50._)
	Ductal carcinoma in situ, micropapillary (C50._)
	Intraductal carcinoma, clinging (C50._)
8508/3	Cystic hypersecretory carcinoma (C50._)
8513/3	Atypical medullary carcinoma (C50._)
8514/3	Duct carcinoma, desmoplastic type
8523/3	Infiltrating duct mixed with other types of carcinoma (C50._)
	Infiltrating duct and cribriform carcinoma (C50._)
	Infiltrating duct and mucinous carcinoma (C50._)
	Infiltrating duct and tubular carcinoma (C50._)
	Infiltrating duct and colloid carcinoma (C50._)
8524/3	Infiltrating lobular mixed with other types of carcinoma (C50._)
8525/3	Polymorphous low grade adenocarcinoma
	Terminal duct adenocarcinoma
8551/3	Acinar cell cystadenocarcinoma
8574/3	Adenocarcinoma with neuroendocrine differentiation
	Carcinoma with neuroendocrine differentiation
8575/3	Metaplastic carcinoma, NOS
8576/3	Hepatoid adenocarcinoma
	Hepatoid carcinoma
8581/1	Thymoma, type A, NOS (C37.9)
	Thymoma, spindle cell, NOS (C37.9)
	Thymoma, medullary, NOS (C37.9)
8581/3	Thymoma, type A, malignant (C37.9)
	Thymoma, spindle cell, malignant (C37.9)
	Thymoma, medullary, malignant (C37.9)
8582/1	Thymoma, type AB, NOS (C37.9)
	Thymoma, mixed type, NOS (C37.9)
8582/3	Thymoma, type AB, malignant (C37.9)
	Thymoma, mixed type, malignant (C37.9)
8583/1	Thymoma, type B1, NOS (C37.9)
	Thymoma, lymphocyte-rich, NOS (C37.9)
	Thymoma, lymphocytic, NOS (C37.9)
	Thymoma, predominantly cortical, NOS (C37.9)
	Thymoma, organoid, NOS (C37.9)
8583/3	Thymoma, type B1, malignant (C37.9)
	Thymoma, lymphocyte-rich, malignant (C37.9)
	Thymoma, lymphocytic, malignant (C37.9)
	Thymoma, predominantly cortical, malignant (C37.9)
	Thymoma, organoid, malignant (C37.9)
8584/1	Thymoma, type B2, NOS (C37.9)
	Thymoma, cortical, NOS (C37.9)
8584/3	Thymoma, type B2, malignant (C37.9)
	Thymoma, cortical, malignant (C37.9)
8585/1	Thymoma, type B3, NOS (C37.9)
	Thymoma, epithelial, NOS (C37.9)
	Thymoma, atypical, NOS (C37.9)
8585/3	Thymoma, type B3, malignant (C37.9)
	Thymoma, epithelial, malignant (C37.9)
	Thymoma, atypical, malignant (C37.9)
	Well differentiated thymic carcinoma (C37.9)

Appendix 1: New ICD-O, Third Edition, Codes

8586/3	Thymoma, type C (C37.9)
8587/0	Ectopic hamartomatous thymoma
8588/3	Spindle epithelial tumor with thymus-like element Spindle epithelial tumor with thymus-like differentiation SETTLE
8589/3	Carcinoma showing thymus-like element Carcinoma showing thymus-like differentiation CASTLE
8591/1	Sex cord-gonadal stromal tumor, incompletely differentiated
8592/1	Sex cord-gonadal stromal tumor, mixed forms
8593/1	Stromal tumor with minor sex cord elements (C56.9)
8633/1	Sertoli-Leydig cell tumor, retiform
8634/1	Sertoli-Leydig cell tumor, intermediate differentiation, with heterologous elements Sertoli-Leydig cell tumor, retiform, with heterologous elements
8634/3	Sertoli-Leydig cell tumor, poorly differentiated, with heterologous elements
8642/1	Large cell calcifying Sertoli cell tumor
8728/0	Diffuse melanocytosis (C70.9)
8728/1	Meningeal melanocytoma (C70.9)
8728/3	Meningeal melanomatosis (C70.9)
8746/3	Mucosal lentiginous melanoma
8762/1	Proliferative dermal lesion in congenital nevus (C44._)
8805/3	Undifferentiated sarcoma
8806/3	Desmoplastic small round cell tumor
8815/0	Solitary fibrous tumor Localized fibrous tumor
8815/3	Solitary fibrous tumor, malignant
8825/0	Myofibroblastoma
8825/1	Myofibroblastic tumor, NOS
8825/1	Inflammatory myofibroblastic tumor
8826/0	Angiomyofibroblastoma
8827/1	Myofibroblastic tumor, peribronchial (C34._) Congenital peribronchial myofibroblastic tumor (C34._)
8831/0	Deep histiocytoma Juvenile histiocytoma Reticulohistiocytoma
8834/1	Giant cell fibroblastoma
8835/1	Plexiform fibrohistiocytic tumor
8836/1	Angiomatoid fibrous histiocytoma
8842/0	Ossifying fibromyxoid tumor
8862/0	Chondroid lipoma
8898/1	Metastasizing leiomyoma
8905/0	Genital rhabdomyoma (C51._, C52.9)
8912/3	Spindle cell rhabdomyosarcoma
8921/3	Rhabdomyosarcoma with ganglionic differentiation Ectomesenchymoma
8934/3	Carcinofibroma
8935/1	Stromal tumor, NOS
8935/3	Stromal sarcoma, NOS
8936/0	Gastrointestinal stromal tumor, benign GIST, benign

8936/1	Gastrointestinal stromal tumor, NOS GIST, NOS Gastrointestinal stromal tumor, uncertain malignant potential Gastrointestinal autonomic nerve tumor GANT Gastrointestinal pacemaker cell tumor
8936/3	Gastrointestinal stromal sarcoma Gastrointestinal stromal tumor, malignant GIST, malignant
8959/0	Benign cystic nephroma (C64.9)
8959/1	Cystic partially differentiated nephroblastoma (C64.9)
8959/3	Malignant cystic nephroma (C64.9) Malignant multilocular cystic nephroma (C64.9)
8965/0	Nephrogenic adenofibroma (C64.9)
8966/0	Renomedullary interstitial cell tumor (C64.9) Renomedullary fibroma (C64.9)
8967/0	Ossifying renal tumor (C64.9)
8973/3	Pleuropulmonary blastoma
8974/1	Sialoblastoma
8983/0	Adenomyoepithelioma (C50._)
9065/3	Germ cell tumor, nonseminomatous (C62._)
9105/3	Trophoblastic tumor, epithelioid
9135/1	Endovascular papillary angioendothelioma Dabska tumor
9136/1	Spindle cell hemangioendothelioma Spindle cell angioendothelioma
9186/3	Central osteosarcoma (C40._, C41._) Conventional central osteosarcoma (C40._, C41._) Medullary osteosarcoma (C40._, C41._)
9187/3	Intraosseous well differentiated osteosarcoma (C40._, C41._) Intraosseous low grade osteosarcoma (C40._, C41._)
9193/3	Periosteal osteosarcoma (C40._, C41._)
9194/3	High grade surface osteosarcoma (C40._, C41._)
9195/3	Intracortical osteosarcoma (C40._, C41._)
9242/3	Clear cell chondrosarcoma (C40._, C41._)
9243/3	Dedifferentiated chondrosarcoma (C40._, C41._)
9252/0	Tenosynovial giant cell tumor (C49._) Fibrous histiocytoma of tendon sheath (C49._) Giant cell tumor of tendon sheath (C49._)
9252/3	Malignant tenosynovial giant cell tumor (C49._) Giant cell tumor of tendon sheath, malignant (C49._)
9341/1	Clear cell odontogenic tumor
9342/3	Odontogenic carcinosarcoma
9351/1	Craniopharyngioma, adamantinomatous (C75.2)
9352/1	Craniopharyngioma, papillary (C75.2)
9365/3	Askin tumor
9371/3	Chondroid chordoma
9372/3	Dedifferentiated chordoma
9373/0	Parachordoma
9412/1	Desmoplastic infantile astrocytoma Desmoplastic infantile ganglioglioma
9413/0	Dysembryoplastic neuroepithelial tumor

Appendix 1: New ICD-O, Third Edition, Codes

9444/1	Chordoid glioma (C71.) Chordoid glioma of third ventricle (C71.5)
9474/3	Large cell medulloblastoma (C71.6)
9493/0	Dysplastic gangliocytoma of cerebellum (Lhermitte-Duclos) (C71.6)
9508/3	Atypical teratoid/rhabdoid tumor (C71.)
9513/3	Retinoblastoma, diffuse (C69.2)
9514/1	Retinoblastoma, spontaneously regressed (C69.2)
9571/0	Perineurioma Intraneural perineurioma Soft tissue perineurioma
9571/3	Perineurioma, malignant Perineural MPNST
9582/0	Granular cell tumor of the sellar region (C75.1)
9596/3	Composite Hodgkin and non-Hodgkin lymphoma
9651/3	Hodgkin lymphoma, lymphocyte-rich Classical Hodgkin lymphoma, lymphocyte-rich
9678/3	Primary effusion lymphoma
9679/3	Mediastinal large B-cell lymphoma (C38.3) Thymic large B-cell lymphoma (C37.9)
9689/3	Splenic marginal zone B-cell lymphoma (C42.2) Splenic marginal zone lymphoma, NOS (C42.2) Splenic lymphoma with villous lymphocytes (C42.2)
9699/3	Marginal zone B-cell lymphoma, NOS Marginal zone lymphoma, NOS Mucosal-associated lymphoid tissue lymphoma MALT lymphoma Bronchial-associated lymphoid tissue lymphoma BALT lymphoma Skin-associated lymphoid tissue lymphoma SALT lymphoma Nodal marginal zone lymphoma
9708/3	Subcutaneous panniculitis-like T-cell lymphoma
9716/3	Hepatosplenic $\gamma\delta$ (gamma-delta) cell lymphoma
9717/3	Intestinal T-cell lymphoma Enteropathy type intestinal T-cell lymphoma Enteropathy associated T-cell lymphoma
9718/3	Primary cutaneous CD30+ T-cell lymphoproliferative disorder (C44.) Lymphomatoid papulosis (C44.) Primary cutaneous anaplastic large cell lymphoma (C44.) Primary cutaneous CD30+ large T-cell lymphoma (C44.)
9719/3	NK/T-cell lymphoma, nasal and nasal-type T/NK-cell lymphoma
9727/3	Precursor cell lymphoblastic lymphoma, NOS (<i>see also M-9835/3</i>)
9728/3	Precursor B-cell lymphoblastic lymphoma (<i>see also M-9836/3</i>)
9729/3	Precursor T-cell lymphoblastic lymphoma (<i>see also M-9837/3</i>)
9751/1	Langerhans cell histiocytosis, NOS Langerhans cell granulomatosis Histiocytosis X, NOS [obs]
9752/1	Langerhans cell histiocytosis, unifocal Langerhans cell granulomatosis, unifocal Langerhans cell histiocytosis, mono-ostotic Eosinophilic granuloma

Appendix 1: New ICD-O, Third Edition, Codes

9753/1	Langerhans cell histiocytosis, multifocal Langerhans cell histiocytosis, poly-ostotic Hand-Schuller-Christian disease [obs]
9754/3	Langerhans cell histiocytosis, disseminated Langerhans cell histiocytosis, generalized
9755/3	Histiocytic sarcoma
9756/3	Langerhans cell sarcoma
9757/3	Interdigitating dendritic cell sarcoma Interdigitating cell sarcoma Dendritic cell sarcoma, NOS
9758/3	Follicular dendritic cell sarcoma Follicular dendritic cell tumor
9769/1	Immunoglobulin deposition disease Systemic light chain disease Primary amyloidosis
9805/3	Acute biphenotypic leukemia Acute mixed lineage leukemia Acute bilineal leukemia
9831/1	T-cell large granular lymphocytic leukemia T-cell large granular lymphocytosis NK-cell large granular lymphocytic leukemia Large granular lymphocytosis, NOS
9833/3	Prolymphocytic leukemia, B-cell type
9834/3	Prolymphocytic leukemia, T-cell type
9835/3	Precursor cell lymphoblastic leukemia, NOS (<i>see also M-9727/3</i>) Precursor cell lymphoblastic leukemia, not phenotyped Acute lymphoblastic leukemia, precursor-cell type Acute lymphoblastic leukemia-lymphoma, NOS FAB L1 [obs] Acute lymphoblastic leukemia, L2 type, NOS FAB L2
9836/3	Precursor B-cell lymphoblastic leukemia (<i>see also M-9728/3</i>) Pro-B ALL Common precursor B ALL Pre-B ALL Pre-pre-B ALL Common ALL c-ALL
9837/3	Precursor T-cell lymphoblastic leukemia (<i>see also M-9729/3</i>) Pro-T ALL Pre-T ALL Cortical T ALL Mature T ALL
9871/3	Acute myeloid leukemia with abnormal marrow eosinophils (<i>includes all variants</i>) Acute myeloid leukemia, inv(16)(p13;q22) Acute myeloid leukemia, t(16;16)(p13;q11) Acute myeloid leukemia, CBF-beta/MYH11 Acute myelomonocytic leukemia with abnormal eosinophils FAB M4Eo
9872/3	Acute myeloid leukemia, minimal differentiation FAB M0
9873/3	Acute myeloid leukemia without maturation FAB M1

Appendix 1: New ICD-O, Third Edition, Codes

9874/3	Acute myeloid leukemia with maturation FAB M2, NOS
9875/3	Chronic myelogenous leukemia, BCR/ABL positive Chronic myelogenous leukemia, Philadelphia chromosome (Ph1) positive Chronic myelogenous leukemia, t(9;22)(q34;q11) Chronic granulocytic leukemia, Philadelphia chromosome (Ph1) positive Chronic granulocytic leukemia, t(9;22)(q34;q11) Chronic granulocytic leukemia, BCR/ABL
9876/3	Atypical chronic myeloid leukemia, BCR/ABL negative Atypical chronic myeloid leukemia, Philadelphia chromosome (Ph1) negative
9895/3	Acute myeloid leukemia with multilineage dysplasia (<i>see also M-9984/3</i>) Acute myeloid leukemia with prior myelodysplastic syndrome Acute myeloid leukemia without prior myelodysplastic syndrome
9896/3	Acute myeloid leukemia, t(8;21) (q22;q22) Acute myeloid leukemia, AML1(CBF-alpha)/ETO FAB M2, t(8;21)(q22;q22) FAB M2, AML1(CBF-alpha)/ETO
9897/3	Acute myeloid leukemia, 11q23 abnormalities Acute myeloid leukemia, MLL
9920/3	Therapy-related acute myeloid leukemia and myelodysplastic syndrome, NOS Therapy-related acute myeloid leukemia, alkylating agent related Therapy-related acute myeloid leukemia, epipodophyllotoxin-related
9945/3	Chronic myelomonocytic leukemia, Type I Chronic myelomonocytic leukemia, Type II Chronic myelomonocytic leukemia in transformation [obs]
9946/3	Juvenile myelomonocytic leukemia Juvenile chronic myelomonocytic leukemia
9948/3	Aggressive NK-cell leukemia
9963/3	Chronic neutrophilic leukemia
9964/3	Hypereosinophilic syndrome Chronic eosinophilic leukemia
9985/3	Refractory cytopenia with multilineage dysplasia
9986/3	Myelodysplastic syndrome with 5q deletion (5q-) syndrome
9987/3	Therapy-related myelodysplastic syndrome, NOS Therapy-related myelodysplastic syndrome, alkylating agent related Therapy-related myelodysplastic syndrome, epipodophyllotoxin-related

APPENDIX 2: NEW MORPHOLOGY TERMS AND SYNONYMS

(The following 4-digit morphology codes existed in ICD-O, Second Edition.)

8000/1	Unclassified tumor, borderline malignancy
8033/3	Sarcomatoid carcinoma
8040/0	Tumorlet, benign
8040/1	Tumorlet, NOS
8041/3	Small cell neuroendocrine carcinoma
8045/3	Combined small cell carcinoma
	Mixed small cell carcinoma
	Combined small cell-adenocarcinoma
	Combined small cell-squamous cell carcinoma
8051/3	Condylomatous carcinoma
	Warty carcinoma
8052/2	Papillary squamous cell carcinoma, non-invasive
	Papillary squamous cell carcinoma in situ
8053/0	Squamous cell papilloma, inverted
8060/0	Squamous papillomatosis
8074/3	Squamous cell carcinoma, sarcomatoid
8075/3	Squamous cell carcinoma, acantholytic
8077/2	Squamous intraepithelial neoplasia, grade III
	Vaginal intraepithelial neoplasia, grade III (C52.)
	Vulvar intraepithelial neoplasia, grade III (C51.)
	Anal intraepithelial neoplasia (C21.1)
	AIN III (C21.1)
8082/3	Lymphoepithelioma-like carcinoma
8091/3	Multifocal superficial basal cell carcinoma (C44.)
8092/3	Infiltrating basal cell carcinoma, NOS (C44.)
	Infiltrating basal cell carcinoma, non-sclerosing (C44.)
	Infiltrating basal cell carcinoma, sclerosing (C44.)
	Basal cell carcinoma, morpheic (C44.)
	Basal cell carcinoma, desmoplastic type (C44.)
8093/3	Fibroepithelioma of Pinkus type
	Fibroepithelial basal cell carcinoma, Pinkus type
	Pinkus tumor
	Fibroepithelioma, NOS
8102/3	Trichilemmocarcinoma (C44.)
	Trichilemmal carcinoma (C44.)
8110/0	Pilomatricoma, NOS (C44.)
8110/3	Pilomatricoma, malignant (C44.)
	Matrical carcinoma (C44.)
8120/1	Transitional cell papilloma, NOS
8120/2	Urothelial carcinoma in situ
8121/0	Sinonasal papilloma, NOS (C30.0, C31.)
	Sinonasal papilloma, exophytic (C30.0, C31.)
	Sinonasal papilloma, fungiform (C30.0, C31.)
	Transitional cell papilloma, inverted, benign
	Transitional papilloma, inverted, benign

Appendix 2: New Morphology Terms and Synonyms

8121/1	Transitional papilloma, inverted, NOS Schneiderian papilloma, inverted (C30.0, C31.) Columnar cell papilloma Cylindrical cell papilloma (C30.0, C31.) Oncocytic Schneiderian papilloma (C30.0, C31.)
8121/3	Cylindrical cell carcinoma (C30.0, C31.)
8122/3	Transitional cell carcinoma, sarcomatoid
8130/1	Papillary transitional cell neoplasm of low malignant potential (C67.) Papillary urothelial neoplasm of low malignant potential (C67.)
8130/2	Papillary transitional cell carcinoma, non-invasive (C67.) Papillary urothelial carcinoma, non-invasive (C67.)
8130/3	Papillary urothelial carcinoma (C67.)
8140/1	Atypical adenoma
8150/0	Islet cell adenomatosis (C25.)
8150/1	Islet cell tumor, NOS (C25.)
8152/1	Alpha cell tumor, NOS (C25.)
8153/1	Gastrin cell tumor
8153/3	Gastrin cell tumor, malignant
8154/3	Mixed acinar-endocrine carcinoma (C25.) Mixed ductal-endocrine carcinoma (C25.)
8155/3	Vipoma, malignant
8201/2	Ductal carcinoma in situ, cribriform type (C50.)
8201/3	Ductal carcinoma, cribriform type (C50.)
8230/2	Ductal carcinoma in situ, solid type (C50.) Intraductal carcinoma, solid type
8230/3	Solid carcinoma with mucin formation Solid adenocarcinoma with mucin formation
8240/1	Carcinoid tumor of uncertain malignant potential
8240/3	Typical carcinoid
8241/3	Enterochromaffin cell carcinoid EC cell carcinoid Serotonin producing carcinoid
8244/3	Mixed carcinoid-adenocarcinoma
8245/1	Tubular carcinoid
8247/3	Primary cutaneous neuroendocrine carcinoma (C44.)
8260/0	Glandular papilloma
8260/3	Papillary carcinoma of thyroid (C73.9) Papillary renal cell carcinoma (C64.9)
8263/3	Papillotubular adenocarcinoma Tubulopapillary adenocarcinoma
8290/0	Follicular adenoma, oxyphilic cell (C73.9)
8290/3	Follicular carcinoma, oxyphilic cell (C73.9)
8313/1	Clear cell adenofibroma of borderline malignancy (C56.9) Clear cell cystadenofibroma of borderline malignancy (C56.9)
8313/3	Clear cell adenocarcinofibroma (C56.9) Clear cell cystadenocarcinofibroma (C56.9)
8330/1	Atypical follicular adenoma (C73.9)
8333/3	Fetal adenocarcinoma
8350/3	Papillary carcinoma, diffuse sclerosing (C73.9)
8372/0	Pigmented adenoma (C74.0)
8380/1	Atypical proliferative endometrioid tumor (C56.9)
8401/0	Apocrine cystadenoma

Appendix 2: New Morphology Terms and Synonyms

8402/3	Nodular hidradenoma, malignant (C44.) Hidradenocarcinoma (C44.)
8403/3	Malignant eccrine spiradenoma (C44.)
8404/0	Eccrine cystadenoma (C44.)
8405/0	Hidradenoma papilliferum
8406/0	Syringocystadenoma papilliferum
8407/3	Sclerosing sweat duct carcinoma (C44.) Syringomatous carcinoma (C44.) Microcystic adnexal carcinoma (C44.)
8408/1	Aggressive digital papillary adenoma (C44.)
8408/3	Eccrine papillary adenocarcinoma (C44.) Digital papillary adenocarcinoma (C44.)
8410/0	Sebaceous epithelioma (C44.)
8441/0	Serous microcystic adenoma
8441/3	Serous carcinoma, NOS
8442/1	Atypical proliferating serous tumor (C56.9)
8452/1	Solid pseudopapillary tumor (C25.) Solid and papillary epithelial neoplasm (C25.) Solid and cystic tumor (C25.)
8452/3	Solid pseudopapillary carcinoma (C25.)
8460/3	Micropapillary serous carcinoma (C56.9)
8461/3	Primary serous papillary carcinoma of peritoneum (C48.1)
8462/1	Serous papillary cystic tumor of borderline malignancy (C56.9) Atypical proliferative papillary serous tumor (C56.9)
8470/1	Mucinous cystic tumor with moderate dysplasia (C25.)
8470/2	Mucinous cystadenocarcinoma, non-invasive (C25.)
8472/1	Mucinous cystic tumor of borderline malignancy (C56.9) Atypical proliferative mucinous tumor (C56.9)
8480/3	Pseudomyxoma peritonei with unknown primary site (C80.9)
8500/2	Ductal carcinoma in situ, NOS (C50.) DCIS, NOS (C50.) Ductal intraepithelial neoplasia 3 (C50.) DIN 3 (C50.)
8501/2	Ductal carcinoma in situ, comedo type (C50.) DCIS, comedo type (C50.)
8503/2	Ductal carcinoma in situ, papillary (C50.) DCIS, papillary (C50.)
8503/3	Infiltrating papillary adenocarcinoma
8520/2	LCIS, NOS (C50.)
8522/3	Infiltrating lobular carcinoma and ductal carcinoma in situ (C50.)
8560/0	Mixed squamous cell and glandular papilloma
8620/1	Granulosa cell tumor, adult type (C56.9)
8620/3	Granulosa cell tumor, sarcomatoid (C56.9)
8631/0	Sertoli-Leydig cell tumor, well differentiated
8631/1	Sertoli-Leydig cell tumor of intermediate differentiation Sertoli-Leydig cell tumor, NOS
8631/3	Sertoli-Leydig cell tumor, poorly differentiated Sertoli-Leydig cell tumor, sarcomatoid
8641/0	Lipid-rich Sertoli cell tumor (C56.9)
8670/0	Steroid cell tumor, NOS
8670/3	Steroid cell tumor, malignant
8680/0	Paraganglioma, benign
8690/1	Jugulotympanic paraganglioma (C75.5)

Appendix 2: New Morphology Terms and Synonyms

8691/1	Aorticopulmonary paraganglioma (C75.5)
8700/0	Adrenal medullary paraganglioma (C74.1)
8700/3	Adrenal medullary paraganglioma, malignant (C74.1)
8711/3	Glomus tumor, malignant
8726/0	Melanocytoma, NOS
8745/3	Desmoplastic melanoma, amelanotic (C44.)
8761/0	Small congenital nevus (C44.)
8761/1	Intermediate and giant congenital nevus (C44.)
8761/3	Malignant melanoma in congenital melanocytic nevus (C44.)
8770/0	Pigmented spindle cell nevus of Reed (C44.)
8810/1	Cellular fibroma (C56.9)
8824/1	Infantile myofibromatosis
8830/0	Benign fibrous histiocytoma
8832/0	Cutaneous histiocytoma, NOS (C44.)
8841/1	Aggressive angiomyxoma
8850/1	Atypical lipoma
	Superficial well differentiated liposarcoma
	Well differentiated liposarcoma of superficial soft tissue
8851/3	Lipoma-like liposarcoma
	Sclerosing liposarcoma
	Inflammatory liposarcoma
8857/3	Fibroblastic liposarcoma
8890/0	Plexiform leiomyoma
	Lipoleiomyoma
8893/0	Symplastic leiomyoma
	Atypical leiomyoma
	Pleomorphic leiomyoma
8897/1	Smooth muscle tumor of uncertain malignant potential
8901/3	Pleomorphic rhabdomyosarcoma, adult type
8902/3	Mixed embryonal rhabdomyosarcoma and alveolar rhabdomyosarcoma
8905/0	Genital rhabdomyoma (C51. , C52.9)
8910/3	Embryonal rhabdomyosarcoma, pleomorphic
8930/3	Endometrial stromal sarcoma, high grade (C54.1)
8931/3	Endometrial stromal sarcoma, low grade (C54.1)
8932/0	Atypical polypoid adenomyoma
8940/3	Malignant chondroid syringoma (C44.)
8963/3	Malignant rhabdoid tumor
	Rhabdoid tumor, NOS
8982/0	Myoepithelial adenoma
8982/3	Malignant myoepithelioma
	Myoepithelial carcinoma
9014/1	Serous adenofibroma of borderline malignancy (C56.9)
	Serous cystadenofibroma of borderline malignancy (C56.9)
9014/3	Serous adenocarcinofibroma (C56.9)
	Malignant serous adenofibroma (C56.9)
	Serous cystadenocarcinofibroma (C56.9)
	Malignant serous cystadenofibroma (C56.9)
9015/1	Mucinous adenofibroma of borderline malignancy (C56.9)
	Mucinous cystadenofibroma of borderline malignancy (C56.9)
9015/3	Mucinous adenocarcinofibroma (C56.9)
	Malignant mucinous adenofibroma (C56.9)
	Mucinous cystadenocarcinofibroma (C56.9)
	Malignant mucinous cystadenofibroma (C56.9)

Appendix 2: New Morphology Terms and Synonyms

9020/1	Phyllodes tumor, borderline (C50.)
9041/3	Synovial sarcoma, monophasic fibrous
9051/3	Spindled mesothelioma
	Sarcomatoid mesothelioma
	Desmoplastic mesothelioma
9052/0	Well differentiated papillary mesothelioma, benign
	Mesothelial papilloma
9055/0	Multicystic mesothelioma, benign
	Cystic mesothelioma, benign (C48.)
9062/3	Seminoma with high mitotic index (C62.)
9064/2	Intratubular malignant germ cells (C62.)
	Intratubular germ cell neoplasia (C62.)
9071/3	Hepatoid yolk sac tumor
9080/3	Immature teratoma, malignant
9084/3	Dermoid cyst with secondary tumor
9085/3	Mixed teratoma and seminoma
9110/1	Wolffian duct tumor
9130/1	Kaposiform hemangioendothelioma
9160/0	Giant cell angiofibroma
	Cellular angiofibroma
9161/0	Acquired tufted hemangioma
9174/1	Lymphangioliomyomatosis
9185/3	Round cell osteosarcoma (C40., C41.)
9221/3	Periosteal chondrosarcoma (C40., C41.)
9270/3	Primary intraosseous carcinoma
9271/0	Ameloblastic fibrodentinoma
9274/0	Cemento-ossifying fibroma
9290/3	Ameloblastic fibrodentinosa sarcoma
	Ameloblastic fibro-odontosarcoma
9362/3	Mixed pineal tumor (C75.3)
	Mixed pineocytoma-pineoblastoma (C75.3)
	Pineal parenchymal tumor of intermediate differentiation (C75.3)
	Transitional pineal tumor (C75.3)
9364/3	Peripheral primitive neuroectodermal tumor, NOS
	PPNET
9382/3	Anaplastic oligoastrocytoma (C71.)
9383/1	Mixed subependymoma-ependymoma (C71.)
9390/1	Atypical choroid plexus papilloma (C71.5)
9390/3	Choroid plexus carcinoma (C71.5)
9391/3	Cellular ependymoma (C71.)
	Clear cell ependymoma (C71.)
	Tanycytic ependymoma (C71.)
9400/3	Diffuse astrocytoma (C71.)
	Astrocytoma, low grade (C71.)
	Diffuse astrocytoma, low grade (C71.)
9423/3	Polar spongioblastoma (C71.)
9442/1	Gliofibroma (C71.)
9470/3	Melanotic medulloblastoma (C71.6)
9471/3	Desmoplastic nodular medulloblastoma (C71.6)
9473/3	PNET, NOS
	Central primitive neuroectodermal tumor, NOS (C71.)
	CPNET (C71.)
	Supratentorial PNET (C71.)

Appendix 2: New Morphology Terms and Synonyms

9500/3	Central neuroblastoma (C71.)
9501/0	Diktyoma, benign (C69.)
9501/3	Diktyoma, malignant (C69.)
9502/0	Teratoid medulloepithelioma, benign (C69.4)
9505/3	Ganglioglioma, anaplastic
9506/1	Central neurocytoma
	Cerebellar liponeurocytoma
	Lipomatous medulloblastoma (C71.6)
	Neurolipocytoma (C71.6)
	Medulloctoma (C71.6)
9510/0	Retinocytoma (C69.2)
9521/3	Olfactory neurocytoma (C30.0)
9530/0	Microcystic meningioma
	Secretory meningioma
	Lymphoplasmacyte-rich meningioma
	Metaplastic meningioma
9530/3	Meningioma, anaplastic
9538/1	Clear cell meningioma
	Chordoid meningioma
9538/3	Rhabdoid meningioma
9539/1	Atypical meningioma
9540/3	Malignant peripheral nerve sheath tumor
	MPNST, NOS
	MPNST with glandular differentiation
	Epithelioid MPNST
	MPNST with mesenchymal differentiation
	Melanotic MPNST
	Melanotic psammomatous MPNST
9560/0	Melanotic schwannoma
	Plexiform schwannoma
	Cellular schwannoma
	Degenerated schwannoma
	Ancient schwannoma
	Psammomatous schwannoma
9561/3	Malignant peripheral nerve sheath tumor with rhabdomyoblastic differentiation
	MPNST with rhabdomyoblastic differentiation
9591/3	B cell lymphoma, NOS
9652/3	Classical Hodgkin lymphoma, mixed cellularity, NOS
9653/3	Classical Hodgkin lymphoma, lymphocyte depletion, NOS
9654/3	Classical Hodgkin lymphoma, lymphocyte depletion, diffuse fibrosis
9655/3	Classical Hodgkin lymphoma, lymphocyte depletion, reticular
9663/3	Classical Hodgkin lymphoma, nodular sclerosis, NOS
9664/3	Classical Hodgkin lymphoma, nodular sclerosis, cellular phase
9665/3	Hodgkin lymphoma, nodular sclerosis, grade 1
	Classical Hodgkin lymphoma, nodular sclerosis, grade 1
9667/3	Hodgkin lymphoma, nodular sclerosis, grade 2
	Classical Hodgkin lymphoma, nodular sclerosis, grade 2
9670/3	Malignant lymphoma, small B lymphocytic, NOS (<i>see also M-9823/3</i>)
	Malignant lymphoma, small lymphocytic, NOS
	Malignant lymphoma, small cell diffuse
9673/3	Mantle cell lymphoma

Appendix 2: New Morphology Terms and Synonyms

- 9680/3 Malignant lymphoma, large B-cell, diffuse, centroblastic, NOS
 Intravascular large B-cell lymphoma (C49.9)
 Intravascular B-cell lymphoma
 Angiotropic lymphoma
 T-cell rich large B-cell lymphoma
 Histiocyte-rich large B-cell lymphoma
 T-cell rich/histiocyte-rich large B-cell lymphoma
 Anaplastic large B-cell lymphoma
- 9684/3 Malignant lymphoma, large B-cell, diffuse, immunoblastic, NOS
 Plasmablastic lymphoma
- 9687/3 Burkitt-like lymphoma
- 9690/3 Follicular lymphoma, NOS (*see also M-9675/3*)
 Malignant lymphoma, follicle center, follicular
 Malignant lymphoma, follicle center, NOS
- 9691/3 Follicular lymphoma, grade 2
- 9695/3 Follicular lymphoma, grade 1
- 9698/3 Follicular lymphoma, grade 3
- 9700/3 Pagetoid reticulosis
- 9702/3 Mature T-cell lymphoma, NOS
 T-cell lymphoma, NOS
 Peripheral T-cell lymphoma, large cell
- 9709/3 Cutaneous T-cell lymphoma, NOS (C44. _)
- 9714/3 Anaplastic large cell lymphoma, T cell and Null cell type
 Anaplastic large cell lymphoma, NOS
 Anaplastic large cell lymphoma, CD30+
- 9731/3 Plasmacytoma of bone (C40. _, C41. _)
- 9762/3 Heavy chain disease, NOS
 Mu heavy chain disease
- 9765/1 Monoclonal gammopathy of undetermined significance
 MGUS
- 9801/3 Stem cell leukemia
- 9823/3 B-cell chronic lymphocytic leukemia/small lymphocytic lymphoma (*see also M-9670/3*)
 Chronic lymphocytic leukemia, B-cell type (includes all variants of BCLL)
- 9826/3 Burkitt cell leukemia (*see also M-9687/3*)
 B-ALL [obs]
 FAB L3 [obs]
 Acute lymphoblastic leukemia, mature B-cell type
- 9827/3 Adult T-cell leukemia/lymphoma (HTLV-1 positive) Includes all variants
- 9840/3 Acute myeloid leukemia, M6 type
 Acute erythroid leukemia
 M6A
 M6B
 FAB M6
 AML M6
- 9860/3 Non-lymphocytic leukemia, NOS
- 9861/3 Acute myeloid leukemia, NOS (FAB or WHO type not specified) (*see also M-9930/3*)
 Acute non-lymphocytic leukemia
- 9866/3 Acute promyelocytic leukemia, t(15;17)(q22;q11-12)
 Acute promyelocytic leukemia, PML/RAR-alpha
 Acute myeloid leukemia, t(15;17)(q22;q11-12)
 Acute myeloid leukemia, PML/RAR-alpha
 FAB M3 (includes all variants)
- 9867/3 FAB M4

Appendix 2: New Morphology Terms and Synonyms

9870/3	Acute basophilic leukemia
9891/3	FAB M5 (includes all variants)
9910/3	FAB M7
9930/3	Myeloid sarcoma (<i>see also M-9861/3</i>)
9931/3	Acute panmyelosis with myelofibrosis (C42.1)
	Acute myelosclerosis
	Malignant myelosclerosis [obs]
9940/3	Hairy cell leukemia variant
9950/3	Proliferative polycythemia
9961/3	Myelofibrosis as a result of myeloproliferative disease
	Chronic idiopathic myelofibrosis
	Agnogenic myeloid metaplasia
9982/3	Refractory anemia with ringed sideroblasts
	RARS
9983/3	RAEB
	RAEB I
	RAEB II
9984/3	RAEB-T

**APPENDIX 3: TERMS THAT CHANGED
MORPHOLOGY CODE**

ICDO, Second Edition	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
8241/1	Carcinoid tumor, argentaffin, NOS	8240/1
8241/1	Argentaffinoma, NOS [obs]	8240/1
8400/0	Nodular hidradenoma (C44.)	8402/0
8402/0	Eccrine poroma (C44.)	8409/0
8510/3	Parafollicular cell carcinoma (C73.9)	8345/3
8510/3	C cell carcinoma (C73.9)	8345/3
8511/3	Medullary carcinoma with amyloid stroma (C73.9)	8345/3
8580/3	Thymic carcinoma (C37.9)	8586/3
8724/0	Fibrous papule of nose (C44.3)	9160/0
8724/0	Involuting nevus (C44.)	9160/0
8803/3	Askin tumor	9365/3
8832/0	Histiocytoma, NOS	8831/0
8890/0	Myofibroma	8824/0
8930/3	Stromal sarcoma, NOS	8935/3
9126/0	Histiocytoid hemangioma	9125/0
9190/3	Parosteal osteosarcoma (C40. , C41.)	9192/3
9190/3	Juxtacortical osteosarcoma (C40. , C41.)	9192/3
9190/3	Periosteal osteosarcoma (C40. , C41.)	9193/3
9422/3	Spongioblastoma, NOS (C71.) [obs]	9421/1
9443/3	Primitive polar spongioblastoma (C71.) [obs]	9423/3
9481/3	Monstrocellular sarcoma (C71.) [obs]	9441/3
9490/0	Gangliocytoma	9492/0
9536/0	Hemangiopericytic meningioma (C70.) [obs]	9150/1
9592/3	Lymphosarcoma, NOS [obs]	9591/3
9592/3	Lymphosarcoma, diffuse [obs]	9591/3
9593/3	Reticulum cell sarcoma, NOS [obs]	9591/3
9593/3	Reticulum cell sarcoma, diffuse [obs]	9591/3
9593/3	Reticulosarcoma, NOS [obs]	9591/3
9593/3	Reticulosarcoma, diffuse [obs]	9591/3
9594/3	Microglioma (C71.) [obs]	9590/3
9595/3	Malignant lymphoma, diffuse, NOS	9591/3
9657/3	Hodgkin disease, lymphocyte predominance, NOS [obs]	9651/3
9657/3	Hodgkin disease, lymphocytic-histiocytic predominance [obs]	9651/3
9658/3	Hodgkin disease, lymphocyte predominance, diffuse [obs]	9651/3
9660/3	Hodgkin paragranuloma, NOS [obs]	9659/3
9660/3	Hodgkin paragranuloma, nodular [obs]	9659/3
9666/3	Hodgkin disease, nodular sclerosis, mixed cellularity	9665/3
9672/3	Malignant lymphoma, small cleaved cell, diffuse [obs]	9591/3
9672/3	Malignant lymphoma, lymphocytic, poorly differentiated, diffuse [obs]	9591/3
9672/3	Malignant lymphoma, small cleaved cell, NOS [obs]	9591/3
9672/3	Malignant lymphoma, cleaved cell, NOS [obs]	9591/3
9674/3	Malignant lymphoma, centrocytic [obs]	9673/3
9676/3	Malignant lymphoma, centroblastic-centrocytic, diffuse [obs]	9675/3
9676/3	Malignant lymphoma, centroblastic-centrocytic, NOS [obs]	9675/3
9677/3	Malignant lymphomatous polyposis [obs]	9673/3

Appendix 3: Terms That Changed Morphology Code

ICD-O, Second Edition	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
9681/3	Malignant lymphoma, large cell, cleaved, NOS	9680/3
9681/3	Malignant lymphoma, large cell, cleaved, diffuse	9680/3
9681/3	Malignant lymphoma, large cleaved cell, NOS	9680/3
9682/3	Malignant lymphoma, large cell, noncleaved, diffuse	9680/3
9682/3	Malignant lymphoma, large cell, noncleaved, NOS	9680/3
9682/3	Malignant lymphoma, noncleaved, diffuse, NOS	9680/3
9682/3	Malignant lymphoma, noncleaved, NOS	9680/3
9683/3	Malignant lymphoma, centroblastic, NOS	9680/3
9683/3	Malignant lymphoma, centroblastic, diffuse	9680/3
9685/3	Malignant lymphoma, lymphoblastic (<i>see also M-9821/3</i>)	9727/3
9685/3	Malignant lymphoma, convoluted cell [obs]	9727/3
9685/3	Lymphoblastoma [obs]	9727/3
9686/3	Malignant lymphoma, small cell, noncleaved, diffuse [obs]	9591/3
9686/3	Malignant lymphoma, undifferentiated cell, non-Burkitt [obs]	9591/3
9686/3	Malignant lymphoma, undifferentiated cell type, NOS [obs]	9591/3
9688/3 *	T-cell rich large B-cell lymphoma	9680/3
9692/3	Malignant lymphoma, centroblastic-centrocytic, follicular	9690/3
9693/3	Malignant lymphoma, lymphocytic, well differentiated, nodular [obs]	9698/3
9694/3	Malignant lymphoma, lymphocytic, intermediate differentiation, nodular [obs]	9591/3
9696/3	Malignant lymphoma, lymphocytic, poorly differentiated, nodular [obs]	9695/3
9697/3	Malignant lymphoma, centroblastic, follicular	9698/3
9703/3	T-zone lymphoma	9702/3
9704/3	Lymphoepithelioid lymphoma	9702/3
9704/3	Lennert lymphoma	9702/3
9706/3	Peripheral T-cell lymphoma, pleomorphic small cell	9702/3
9707/3	Peripheral T-cell lymphoma, pleomorphic medium and large cell	9702/3
9710/3 *	Marginal zone lymphoma, NOS	9699/3
9711/3	Monocytoid B-cell lymphoma	9699/3
9712/3	Angioendotheliomatosis	9680/3
9713/3	Angiocentric T-cell lymphoma [obs]	9719/3
9713/3	Malignant reticulosis, NOS [obs]	9719/3
9713/3	Malignant midline reticulosis [obs]	9719/3
9713/3	Polymorphic reticulosis [obs]	9719/3
9715/3 *	Mucosal-associated lymphoid tissue lymphoma	9699/3
9715/3 *	MALT lymphoma	9699/3
9720/3	Malignant histiocytosis	9750/3
9720/3	Histiocytic medullary reticulosis [obs]	9750/3
9722/3	Letterer-Siwe disease	9754/3
9722/3	Acute progressive histiocytosis X	9754/3
9722/3	Nonlipid reticuloendotheliosis [obs]	9754/3
9723/3	True histiocytic lymphoma [obs]	9755/3
9731/3	Plasmacytoma, extramedullary (not occurring in bone)	9734/3
9763/3	Gamma heavy chain disease	9762/3
9763/3	Franklin disease	9762/3
9802/3	Subacute leukemia, NOS [obs]	9800/3
9803/3	Chronic leukemia, NOS [obs]	9800/3
9804/3	Aleukemic leukemia, NOS [obs]	9800/3

Appendix 3: Terms That Changed Morphology Code

ICD-O, Second Edition	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
9821/3	Acute lymphocytic leukemia	9835/3
9821/3	Acute lymphoid leukemia	9835/3
9821/3	Acute lymphatic leukemia	9835/3
9821/3	Lymphoblastic leukemia, NOS	9835/3
9821/3 **	FAB L1	9835/3
9822/3	Subacute lymphoid leukemia [obs]	9820/3
9822/3	Subacute lymphocytic leukemia [obs]	9820/3
9822/3	Subacute lymphatic leukemia [obs]	9820/3
9824/3	Aleukemic lymphoid leukemia [obs]	9820/3
9824/3	Aleukemic lymphocytic leukemia [obs]	9820/3
9824/3	Aleukemic lymphatic leukemia [obs]	9820/3
9825/3	Prolymphocytic leukemia, NOS	9832/3
9828/3 **	Acute lymphoblastic leukemia, L2 type, NOS	9835/3
9828/3 **	FAB L2	9835/3
9830/3	Plasma cell leukemia (C42.1)	9733/3
9830/3	Plasmacytic leukemia (C42.1)	9733/3
9841/3	Acute erythremia [obs]	9840/3
9841/3	Di Guglielmo disease [obs]	9840/3
9841/3	Acute erythremic myelosis [obs]	9840/3
9842/3	Chronic erythremia [obs]	9950/3
9850/3	Lymphosarcoma cell leukemia [obs]	9820/3
9862/3	Subacute myeloid leukemia [obs]	9860/3
9862/3	Subacute granulocytic leukemia [obs]	9860/3
9862/3	Subacute myelogenous leukemia [obs]	9860/3
9864/3	Aleukemic myeloid leukemia [obs]	9860/3
9864/3	Aleukemic granulocytic leukemia [obs]	9860/3
9864/3	Aleukemic myelogenous leukemia [obs]	9860/3
9865/3 **	Acute myelocytic leukemia with maturation	9874/3
9865/3 **	FAB M2, NOS	9874/3
9868/3	Chronic myelomonocytic leukemia, NOS	9945/3
9869/3 **	Acute myeloblastic leukemia	9872/3
9869/3 **	FAB M0	9872/3
9880/3	Eosinophilic leukemia	9860/3
9890/3	Monocytic leukemia, NOS	9860/3
9892/3	Subacute monocytic leukemia [obs]	9860/3
9893/3	Chronic monocytic leukemia [obs]	9860/3
9894/3	Aleukemic monocytic leukemia [obs]	9860/3
9900/3	Mast cell leukemia (C42.1)	9742/3
9932/3	Acute myelofibrosis	9931/3
9941/3	Leukemic reticuloendotheliosis	9940/3
9960/1	Myeloproliferative disease, NOS	9975/1
9981/1	Refractory anemia without sideroblasts	9980/3

* code used in United States only (1995-2000)

**code used in United States only (1998-2000)

Appendix 4: Terms That Changed From Tumor-Like Lesions to Neoplasms
Appendix 5: Terms Deleted from ICD-O, Third Edition

**APPENDIX 4: TERMS THAT CHANGED
FROM TUMOR-LIKE LESIONS TO NEOPLASMS**

	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
M-----	Reticulohistiocytoma	8831/0
M-----	Lymphomatoid papulosis (C44.)	9718/3
M-----	Giant cell tumor of tendon sheath	9252/0
M-----	Histiocytosis X, NOS	9751/1
M-----	Eosinophilic granuloma	9752/1
M-----	Hand-Schuller-Christian disease	9753/1

**APPENDIX 5: TERMS DELETED
FROM ICD-O, THIRD EDITION**

ICD-O, Second Edition	
8077/2	Intraepithelial neoplasia, grade III of cervix, vulva and vagina (<i>replaced with</i> Squamous intraepithelial neoplasia, grade III; Cervical intraepithelial neoplasia, grade III; Vaginal intraepithelial neoplasia, grade III; Vulvar intraepithelial neoplasia, grade III)
8092/3	Basal cell carcinoma, morphea (<i>replaced with</i> Basal cell carcinoma, morpheic)
8152/0	Alpha cell adenoma (<i>replaced with</i> 8152/1 Alpha cell tumor, NOS)
8332/3	Wuchernde Struma Langhans (C73.9) [obs] (<i>deleted</i>)
8810/0	Fibroma durum (<i>deleted</i>)
8851/0	Fibroma molle (<i>deleted</i>)
8851/0	Soft fibroma (<i>deleted</i>)
9053/0	Mesothelioma, biphasic, benign (<i>deleted</i>)
9190/3	Juxtacortical osteogenic sarcoma (C40. , C41.) [obs] (<i>replaced with</i> 9192/3 Juxtacortical osteosarcoma)
9190/3	Periosteal osteogenic sarcoma (C40. , C41.) (<i>replaced with</i> 9193/3 Periosteal osteosarcoma)
9382/3	Mixed oligoastrocytoma (<i>replaced with</i> Oligoastrocytoma)
9531/0	Meningothelomatous meningioma (<i>replaced with</i> Meningothelial meningioma)
9560/0	Melanocytic schwannoma (<i>replaced with</i> Melanotic schwannoma)
9722/3	Acute differentiated progressive histiocytosis (<i>replaced with</i> 9754/3 Acute progressive histiocytosis X)

APPENDIX 6: TERMS THAT CHANGED BEHAVIOR CODE

Terms Changing from Borderline to Malignant

ICD-O, Second Edition	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
8931/1	Endometrial stromal sarcoma, low grade (C54.1)	8931/3
8931/1	Endolymphatic stromal myosis (C54.1)	8931/3
8931/1	Endometrial stromatosis (C54.1)	8931/3
8931/1	Stromal endometriosis (C54.1)	8931/3
8931/1	Stromal myosis, NOS (C54.1)	8931/3
9393/1	Papillary ependymoma (C71.)	9393/3
9538/1	Papillary meningioma	9538/3
9950/1	Polycythemia vera	9950/3
9950/1	Polycythemia rubra vera	9950/3
9960/1	Chronic myeloproliferative disease, NOS	9960/3
9960/1	Chronic myeloproliferative disorder	9960/3
9961/1	Myelosclerosis with myeloid metaplasia	9961/3
9961/1	Megakaryocytic myelosclerosis	9961/3
9961/1	Myelofibrosis with myeloid metaplasia	9961/3
9962/1	Idiopathic thrombocythemia	9962/3
9962/1	Essential thrombocythemia	9962/3
9962/1	Essential hemorrhagic thrombocythemia	9962/3
9962/1	Idiopathic hemorrhagic thrombocythemia	9962/3
9980/1	Refractory anemia, NOS	9980/3
9981/1	Refractory anemia without sideroblasts	9980/3
9982/1	Refractory anemia with sideroblasts	9982/3
9982/1	Refractory anemia with ringed sideroblasts	9982/3
9983/1	Refractory anemia with excess blasts	9983/3
9984/1	Refractory anemia with excess blasts in transformation	9984/3
9989/1	Myelodysplastic syndrome, NOS	9989/3
	Preleukemia	9989/3
	Preleukemic syndrome	9989/3

Appendix 6: Terms That Changed Behavior Code

Terms Changing from Malignant to Borderline

ICD-O, Second Edition	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
8442/3	Serous cystadenoma, borderline malignancy (C56.9)	8442/1
8442/3	Serous tumor, NOS, of low malignant potential (C56.9)	8442/1
8451/3	Papillary cystadenoma, borderline malignancy (C56.9)	8451/1
8462/3	Serous papillary cystic tumor of borderline malignancy (C56.9)	8462/1
8462/3	Papillary serous cystadenoma, borderline malignancy (C56.9)	8462/1
8462/3	Papillary serous tumor of low malignant potential (C56.9)	8462/1
8462/3	Atypical proliferative papillary serous tumor (C56.9)	8462/1
8472/3	Mucinous cystic tumor of borderline malignancy (C56.9)	8472/1
8472/3	Mucinous cystadenoma, borderline malignancy (C56.9)	8472/1
8472/3	Pseudomucinous cystadenoma, borderline malignancy (C56.9)	8472/1
8472/3	Mucinous tumor, NOS, of low malignant potential (C56.9)	8472/1
8473/3	Papillary mucinous cystadenoma, borderline malignancy (C56.9)	8473/1
8473/3	Papillary pseudomucinous cystadenoma, borderline malignancy (C56.9)	8473/1
8473/3	Papillary mucinous tumor of low malignant potential (C56.9)	8473/1
9421/3	Pilocytic astrocytoma (C71.)	9421/1
9421/3	Piloid astrocytoma (C71.)	9421/1
9421/3	Juvenile astrocytoma (C71.)	9421/1
9422/3	Spongioblastoma, NOS (C71.) [obs]	9421/1

Terms Changing from Benign to Borderline

ICD-O, Second Edition	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
8120/0	Transitional cell papilloma, NOS	8120/1
8152/0	Glucagonoma, NOS (C25.)	8152/1
8580/0	Thymoma, NOS (C37.9)	8580/1
8640/0	Sertoli cell tumor, NOS	8640/1
8640/0	Pick tubular adenoma	8640/1
8640/0	Sertoli cell adenoma	8640/1
8640/0	Tubular androblastoma, NOS	8640/1
8640/0	Testicular adenoma	8640/1
9506/0	Neurocytoma	9506/1

Terms Changing From Borderline to Benign

ICD-O, Second Edition	Term as it appears in ICD-O, Third Edition	ICD-O, Third Edition
8261/1	Villous adenoma, NOS	8261/0
8261/1	Villous papilloma	8261/0
8361/1	Juxtaglomerular tumor (C64.9)	8361/0
8361/1	Reninoma (C64.9)	8361/0
8823/1	Desmoplastic fibroma	8823/0
9080/1	Mature teratoma	9080/0