

Table J.1: SEER Site Groups for Primary Cancer Sites Based on *International Classification of Diseases for Oncology, Third Edition (ICD-O-3)*

Site Group	Primary Site	Histologic Type	
Oral Cavity and Pharynx			
Lip	C000-C009	excluding 9590-9989, and sometimes 9050-9055, 9140*	
Tongue	C019-C029		
Salivary gland	C079-C089		
Floor of mouth	C040-C049		
Gum and other mouth	C030-C039, C050-C059, C060-C069		
Nasopharynx	C110-C119		
Tonsil	C090-C099		
Oropharynx	C100-C109		
Hypopharynx	C129, C130-C139		
Other oral cavity and pharynx	C140, C142-C148		
Digestive System			
Esophagus	C150-C159	excluding 9590-9989, and sometimes 9050-9055, 9140*	
Stomach	C160-C169		
Small intestine	C170-C179		
Colon and rectum			
Colon excluding rectum		excluding 9590-9989, and sometimes 9050-9055, 9140*	
Cecum	C180		
Appendix	C181		
Ascending colon	C182		
Hepatic flexure	C183		
Transverse colon	C184		
Splenic flexure	C185		
Descending colon	C186		
Sigmoid colon	C187		
Large intestine, NOS	C188-C189, C260		
Rectum and rectosigmoid junction			
Rectosigmoid junction	C199	excluding 9590-9989, and sometimes 9050-9055, 9140*	
Rectum	C209		
Anus, anal canal, and anorectum	C210-C212, C218		
Liver and intrahepatic bile duct			
Liver	C220	excluding 9590-9989, and sometimes 9050-9055, 9140*	
Intrahepatic bile duct	C221		
Gallbladder	C239		
Other biliary	C240-C249		
Pancreas	C250-C259		
Retroperitoneum	C480		
Peritoneum, omentum, and mesentery	C481-C482		
Other digestive organs	C268-C269, C488		
Respiratory System			
Nose, nasal cavity, and middle ear	C300-C301, C310-C319		excluding 9590-9989, and sometimes 9050-9055, 9140*
Larynx	C320-C329		
Lung and bronchus	C340-C349		
Pleura	C384		
Trachea, mediastinum, and other respiratory organs	C339, C381-C383, C388, C390, C398, C399		
Bones and Joints	C400-C419	excluding 9590-9989, and sometimes 9050-9055, 9140*	

continued

Table J.1: SEER Site Groups for Primary Cancer Sites Based on *International Classification of Diseases for Oncology, Third Edition (ICD–O–3)* (continued)

Site Group	Primary Site	Histologic Type
Soft Tissue including Heart	C380, C470-C479, C490-C499	excluding 9590-9989, and sometimes 9050-9055, 9140*
Skin excluding Basal and Squamous		
Melanoma of the skin	C440-C449	8720-8790
Other non-epithelial skin	C440-C449	excluding 8000-8005, 8010-8045, 8050-8084, 8090-8110, 8720-8790, 9590-9989, and sometimes 9050-9055, 9140*
Breast	C500-C509	excluding 9590-9989, and sometimes 9050-9055, 9140*
Female Genital System		
Cervix uteri	C530-C539	excluding 9590-9989, and sometimes 9050-9055, 9140*
Corpus and uterus, NOS		
Corpus uteri	C540-C549	
Uterus, NOS	C559	
Ovary	C569	
Vagina	C529	
Vulva	C510-C519	
Other female genital organs	C570-C589	
Male Genital System		
Prostate	C619	excluding 9590-9989, and sometimes 9050-9055, 9140*
Testis	C620-C629	
Penis	C600-C609	
Other male genital organs	C630-C639	
Urinary System		
Urinary bladder	C670-C679	excluding 9590-9989, and sometimes 9050-9055, 9140*
Kidney and renal pelvis	C649, C659	
Ureter	C669	
Other urinary organs	C680-C689	
Eye and Orbit	C690-C699	excluding 9590-9989, and sometimes 9050-9055, 9140*
Brain and Other Nervous System		
Brain	C710-C719	excluding 9530-9539, 9590-9989, and sometimes 9050-9055, 9140*
Cranial nerves; other nervous system	C710-C719	9530-9539
	C700-C709, C720-C729	excluding 9590-9989, and sometimes 9050-9055, 9140*

continued

Table J.1: SEER Site Groups for Primary Cancer Sites Based on *International Classification of Diseases for Oncology, Third Edition (ICD-O-3)* (continued)

Site Group	Primary Site	Histologic Type
Endocrine System		
Thyroid	C739	excluding 9590-9989 and sometimes 9050-9055, 9140*
Other endocrine including thymus	C379, C740-C749, C750-C759	
Lymphoma		
Hodgkin lymphoma		
Hodgkin - nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9650-9667
Hodgkin - extranodal	All other sites	
Non-Hodgkin lymphoma (NHL)		
NHL - nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729, 9823, 9827
NHL - extranodal	All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729
	All sites except C024, C098-C099, C111, C142, C379, C420-C422, C424, C770-C779	9823, 9827
Myeloma		9731-9732, 9734
Leukemia		
Lymphocytic leukemia		
Acute lymphocytic leukemia		9826, 9835-9837
Chronic lymphocytic leukemia	C420, C421, C424	9823
Other lymphocytic leukemia		9820, 9832-9834, 9940
Myeloid and monocytic leukemia		
Acute myeloid leukemia		9840, 9861, 9866, 9867, 9871-9874, 9895-9897, 9910, 9920
Acute monocytic leukemia		9891
Chronic myeloid leukemia		9863, 9875, 9876, 9945, 9946
Other myeloid/monocytic leukemia		9860, 9930
Other leukemia		
Other acute leukemia		9801, 9805, 9931
Aleukemic, subleukemic, and NOS		9733, 9742, 9800, 9831, 9870, 9948, 9963, 9964
	C420, C421, C424	9827
Mesothelioma*		9050-9055

continued

Table J.1: SEER Site Groups for Primary Cancer Sites Based on *International Classification of Diseases for Oncology, Third Edition (ICD–O–3)* (continued)

Site Group	Primary Site	Histologic Type
Kaposi sarcoma*		9140
Miscellaneous		9740-9741, 9750-9758, 9750-9758, 9760-9769, 9950, 9960-9962, 9970, 9975, 9980, 9982-9987, 9989
	C420-C424, C760-C768, C770-C779, C809	excluding 9590-9989, and sometimes 9050-9055, 9140*
Invalid	Site or histology code not within valid range or site code not found in this table.	

* Mesothelioma (9050-9055) and Kaposi sarcoma (9140) can be listed separately or within site-specific groupings. The table contains both possibilities.

NOS = not otherwise specified.

SEER = Surveillance, Epidemiology, and End Results.

Source: <http://seer.cancer.gov/iccc/seericcc.html>.

Table J.2: SEER Modification of Site Groups for Primary Cancer Sites Based on International Classification of Childhood Cancer

Site Group	Histologic Type	Primary Site
I Leukemia		
(a) Lymphoid leukemia		
Acute lymphocytic leukemia (ALL)	9821, 9828	C000-C809
Lymphoid excluding ALL	9820, 9822-9827, 9850	C000-C809
(b) Acute non-lymphocytic leukemia	9840, 9841, 9861, 9864, 9866, 9867, 9871-9874, 9891, 9894, 9910	C000-C809
(c) Chronic myeloid leukemia	9863, 9868	C000-C809
(d) Other specified leukemia	9830, 9842, 9860, 9862, 9870, 9875-9890, 9892, 9893, 9900, 9930-9941	C000-C809
(e) Unspecified leukemia	9800-9804	C000-C809
II Lymphoma and Reticuloendothelial Neoplasms		
(a) Hodgkin lymphoma	9650-9667	C000-C809
(b) Non-Hodgkin lymphoma	9591-9595, 9670-9686, 9688, 9690-9717, 9723	C000-C809
(c) Burkitt lymphoma	9687	C000-C809
(d) Miscellaneous lymphoreticular neoplasms	9720, 9731-9764	C000-C809
(e) Unspecified lymphoma	9590	C000-C809
III Central Nervous System (CNS) and Miscellaneous Intracranial and Intraspinial Neoplasms		
(a) Ependymoma	9383, 9390-9394	C000-C809
(b) Astrocytoma	9380	C723
	9381, 9400-9441*	C700-C729, C751-C753, C692*
(c) Primitive neuroectodermal tumors	9470-9473*	C700-C729, C751-C753, C809*
	9500*	C710-C719, C751-C753*
	9362*	C000-C809*
(d) Other gliomas	9380	C700-C722, C724-C729
	9382, 9384	C000-C809
	9442-9460, 9481	C000-C809
(e) Miscellaneous intracranial and intraspinal neoplasms	8270-8281, 8300, 9350-9361, 9480, 9505, 9530-9539*	C000-C809*
(f) Unspecified intracranial and intraspinal neoplasms	8000-8004	C700-C729, C751-C753
IV Sympathetic Nervous System Tumors		
(a) Neuroblastoma and ganglioneuroblastoma	9490	C000-C809
	9500*	C000-C709, C720-C750, C754-C809*
(b) Other sympathetic nervous system tumors	8680, 8693-8710, 9501-9504, 9520-9523	C000-C809
V Retinoblastoma	9510-9512	C000-C809

continued

Table J.2: SEER Modification of Site Groups for Primary Cancer Sites Based on International Classification of Childhood Cancer (continued)

Site Group	Histologic Type	Primary Site
VI Renal Tumors		
(a) Wilms tumor, rhabdoid, and clear cell sarcoma	8963	C649, C809
	8960, 8964	C000-C809
(b) Renal carcinoma	8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8143, 8155, 8190-8201, 8210, 8211, 8221-8231, 8240, 8241, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8401, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8573	C649
	8312	C000-C809
(c) Unspecified malignant renal tumors	8000-8004	C649
VII Hepatic Tumors		
(a) Hepatoblastoma	8970	C000-C809
(b) Hepatic carcinoma	8010-8041, 8050-8075, 8082, 8120-8122, 8140, 8141, 8143, 8155, 8190-8201, 8210, 8211, 8230, 8231, 8240, 8241, 8244-8246, 8260-8263, 8310, 8320, 8323, 8401, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8573	C220, C221
	8160-8180	C000-C809
(c) Unspecified malignant hepatic tumors	8000-8004	C220, C221
VIII Malignant Bone Tumors		
(a) Osteosarcoma	9180-9200	C000-C809
(b) Chondrosarcoma	9220-9230	C000-C809
	9231, 9240	C400-C419
(c) Ewing sarcoma	9260	C400-C419, C809
	9363, 9364	C400-C419
	9473*	C400-C419*
(d) Other specified malignant bone tumors	8812, 9250, 9261-9330, 9370	C000-C809
(e) Unspecified malignant bone tumors	8000-8004, 8800, 8801, 8803, 8804	C400-C419
IX Soft-Tissue Sarcomas		
(a) Rhabdomyosarcoma and embryonal sarcoma	8900-8920, 8991	C000-C809
(b) Fibrosarcoma, neurofibrosarcoma, and other fibromatous neoplasms	8810, 8811, 8813-8833, 9540-9561	C000-C809
(c) Kaposi sarcoma	9140	C000-C809
(d) Other specified soft-tissue sarcomas		
Excludes misclassification from III(c) (Primitive neuroectodermal tumors [PNET])	8840-8896, 8982, 8990, 9040-9044, 9120-9134, 9150-9170, 9251, 9581	C000-C809
	8963	C000-C639, C659-C768
	9231, 9240, 9363, 9364	C000-C399, C440-C809
	9260	C000-C399, C470-C768

continued

Table J.2: SEER Modification of Site Groups for Primary Cancer Sites Based on International Classification of Childhood Cancer (continued)

Site Group	Histologic Type	Primary Site
PNET—not in brain/CNS/bone	9473*	C000-C399, C420-C699, C730-C750, C754-C808*
(e) Unspecified soft-tissue sarcomas	8800-8804	C000-C399, C440-C809
X Germ-Cell, Trophoblastic, and Other Gonadal Neoplasms		
(a) Intracranial and intraspinal germ-cell tumors	9060-9102	C700-C729, C751-C753
(b) Other and unspecified non-gonadal germ-cell tumors	9060-9102	C000-C559, C570-C619, C630-C699, C739-C750, C754-C809
(c) Gonadal germ-cell tumors	9060-9102	C569, C620-C629
(d) Gonadal carcinomas	8010-8041, 8050-8075, 8120-8122, 8130-8141, 8143, 8155, 8190-8201, 8210, 8211, 8221-8241, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8573	C569, C620-C629
(e) Other and unspecified malignant gonadal tumors	8380, 8381, 8441-8473	C000-C809
	8590-8670, 9000	C000-C809
	8000-8004	C569, C620-C629
XI Carcinomas and Other Malignant Epithelial Neoplasms		
(a) Adrenocortical carcinoma	8370-8375	C000-C809
(b) Thyroid carcinoma	8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8155, 8190, 8200, 8201, 8211, 8230, 8231, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8430, 8440, 8480, 8481, 8500-8573	C739
	8330-8350	C000-C809
(c) Nasopharyngeal carcinoma	8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8155, 8190, 8200, 8201, 8211, 8230, 8231, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8430, 8440, 8480, 8481, 8504, 8510, 8550, 8560-8573	C110-C119
(d) Malignant melanoma	8720-8780	C000-C809
(e) Skin carcinoma	8010-8041, 8050-8075, 8082, 8090-8110, 8140, 8143, 8147, 8190, 8200, 8240, 8246, 8247, 8260, 8310, 8320, 8323, 8390-8420, 8430, 8480, 8542, 8560, 8570-8573, 8940	C440-C449

continued

Table J.2: SEER Modification of Site Groups for Primary Cancer Sites Based on *International Classification of Childhood Cancer (continued)*

Site Group	Histologic Type	Primary Site
(f) Other and unspecified carcinomas	8010-8082, 8120-8155, 8190-8263, 8290, 8310, 8314-8323, 8430-8440, 8480-8580, 8940, 8941	C000-C109, C129-C218, C239-C399, C480-C488, C500-C559, C570-C619, C630-C639, C659-C729, C750-C809
XII Other and Unspecified Malignant Neoplasms		
(a) Other specified malignant tumors	8930, 8933, 8950, 8951, 8971-8981, 9020, 9050-9053, 9110, 9580	C000-C809
(b) Other unspecified malignant tumors	8000-8004	C000-C218, C239-C399, C420-C559, C570-C619, C630-C639, C659-C699, C739-C750, C754-C809
Not Classified by SEER	Site or histology code not found in this table.	

* ICD-O-2 histology and site definitions differ between International Agency for Research on Cancer (IARC) Technical Report No. 29 and the SEER modification.

ICD-O-2 = *International Classification of Diseases for Oncology, Second Edition*.

SEER = Surveillance, Epidemiology, and End Results.

Source: <http://seer.cancer.gov/iccc/seericcc.html>.

Table J.3: Death Recodes for Cancer Causes of Death, *International Classification of Diseases, Tenth Edition (ICD-10)*

Cancer Causes of Death	ICD-10 Codes
All Malignant Cancers	C00-C97
Oral Cavity and Pharynx	
Lip	C00
Tongue	C01-C02
Salivary gland	C07-C08
Floor of mouth	C04
Gum and other mouth	C03, C05-C06
Nasopharynx	C11
Tonsil	C09
Oropharynx	C10
Hypopharynx	C12-C13
Other oral cavity and pharynx	C14
Digestive System	
Esophagus	C15
Stomach	C16
Small intestine	C17
Colon and rectum	
Colon excluding rectum	C18, C26.0
Rectum and rectosigmoid junction	C19-C20
Anus, anal canal, and anorectum	C21
Liver and intrahepatic bile duct	
Liver	C22.0, C22.2-C22.4, C22.7, C22.9
Intrahepatic bile duct	C22.1
Gallbladder	C23
Other biliary	C24
Pancreas	C25
Retroperitoneum	C48.0
Peritoneum, omentum, and mesentery	C45.1*, C48.1-C48.2
Other digestive organs	C26.8-C26.9, C48.8
Respiratory System	
Nose, nasal cavity, and middle ear	C30-C31
Larynx	C32
Lung and bronchus	C34
Pleura	C38.4, C45.0*
Trachea, mediastinum, and other respiratory organs	C33, C38.1-C38.3, C38.8, C39
Bones and Joints	C40-C41
Soft Tissue including Heart	C47, C49, C38.0, C45.2*
Skin excluding Basal and Squamous	
Melanoma of the skin	C43
Other non-epithelial skin	C44, C46*
Breast	C50
Female Genital System	
Cervix uteri	C53
Corpus and uterus, NOS	
Corpus uteri	C54
Uterus, NOS	C55
Ovary	C56
Vagina	C52
Vulva	C51
Other female genital organs	C57-C58

continued

Table J.3: Death Recodes for Cancer Causes of Death, *International Classification of Diseases, Tenth Edition (ICD–10) (continued)*

Cancer Causes of Death	ICD–10 Codes
Male Genital System	
Prostate	C61
Testis	C62
Penis	C60
Other male genital organs	C63
Urinary System	
Urinary bladder	C67
Kidney and renal pelvis	C64-C65
Ureter	C66
Other urinary organs	C68
Eye and Orbit	C69
Brain and Other Nervous System	C70, C71, C72
Endocrine System	
Thyroid	C73
Other endocrine including thymus	C37, C74-C75
Lymphoma	
Hodgkin lymphoma	C81
Non-Hodgkin lymphoma	C82-C85, C96.3
Myeloma	C90.0, C90.2
Leukemia	
Lymphocytic leukemia	
Acute lymphocytic leukemia	C91.0
Chronic lymphocytic leukemia	C91.1
Other lymphocytic leukemia	C91.2-C91.4, C91.7, C91.9
Myeloid and monocytic leukemia	
Acute myeloid leukemia	C92.0, C92.4-C92.5, C94.0, C94.2
Acute monocytic leukemia	C93.0
Chronic myeloid leukemia	C92.1
Other myeloid/monocytic leukemia	C92.2-C92.3, C92.7, C92.9, C93.1-C93.2, C93.7, C93.9
Other leukemia	
Other acute leukemia	C94.4, C94.5, C95.0
Aleukemic, subleukemic, and NOS	C90.1, C91.5, C94.1, C94.3, C94.7, C95.1, C95.2, C95.7, C95.9
Mesothelioma	C45*
Kaposi Sarcoma	C46*
Miscellaneous Malignant Cancer	C26.1, C45.7*, C45.9*, C76-C80, C88, C96.0-C96.2, C96.7, C96.9, C97

* Mesothelioma (C45) and Kaposi sarcoma (C46) can be listed as separate recodes or within site-specific groupings. The table contains both possibilities.

NOS = not otherwise specified.

Source: http://seer.cancer.gov/codrecode/1969+_d09172004/index.html.

Table J.4: Brain and Other Nervous System Standard Histology Groupings*

Histology	ICD-O-3 Histology Code
Tumors of Neuroepithelial Tissue	
Pilocytic astrocytoma	9421
Diffuse astrocytoma	9410, 9420
Anaplastic astrocytoma	9401, 9411
Unique astrocytoma variants	9424
Astrocytoma, NOS	9400
Glioblastoma	9440, 9441, 9442
Oligodendroglioma	9450, 9451, 9460
Ependymoma	9391, 9392, 9393
Mixed glioma	9382
Glioma malignant, NOS	9380
Choroid plexus	9390
Neuroepithelial	9381, 9423, 9430
Neuronal/glial, neuronal	8680, 8693, 9490, 9500, 9505, 9522, 9523
Pineal parenchymal	9362
Embryonal/primitive/medulloblastoma	8963, 9364, 9470, 9471, 9472, 9473, 9474, 9501, 9502, 9503, 9508
Tumors of Cranial and Spinal Nerves	
Nerve sheath, malignant	9540, 9560, 9561, 9571
Tumors of Meninges	
Meningioma	9530, 9538, 9539
Other mesenchymal, malignant	8728, 8800, 8801, 8802, 8803, 8804, 8805, 8806, 8810, 8815, 8830, 8850, 8851, 8857, 8890, 8900, 8910, 8920, 8990, 9040, 9150, 9180, 9260, 9480
Lymphomas and Hemopoietic Neoplasms	
Lymphoma	9590, 9591, 9596, 9650, 9651, 9652, 9653, 9654, 9655, 9659, 9661, 9662, 9663, 9664, 9665, 9667, 9670, 9671, 9673, 9675, 9680, 9684, 9687, 9690, 9691, 9695, 9698, 9699, 9701, 9702, 9705, 9714, 9719, 9727, 9728, 9729, 9731, 9733, 9734, 9740, 9741, 9750, 9755, 9756, 9757, 9758, 9827, 9861, 9930
Germ Cell Tumors and Cysts	
Germ cell tumors, cysts, and heterotopias	8020, 9060, 9061, 9064, 9065, 9070, 9071, 9072, 9080, 9081, 9082, 9083, 9084, 9085, 9100
Tumors of Sellar Region	
	8022, 8140, 8246, 8260, 8270, 8272, 8280, 8281, 8290, 8300, 8323, 8333
Local Extensions from Regional Tumors	
Chordoma/chondrosarcoma	9220, 9231, 9240, 9370, 9371, 9372
Unclassified Tumors	
Hemangioma	9120, 9130, 9133, 9140
Neoplasm, unspecified	8000, 8001, 8002, 8003, 8004, 8005, 8010, 8013, 8021
All other	8720, 9580, 9754

* As determined by the Consensus Conference on Cancer Registration of Brain and Central Nervous System Tumors.

ICD-O-3 = *International Classification of Diseases for Oncology, Third Edition.*

NOS = not otherwise specified.