APPENDIX B
SEER Site Groups for Mortality Data Based on ICD-9 and ICD-10

Ranges that changed between this and the previous version are shown in bold text.

For ICD-8 (1968-1978), All Malignant Cancers is defined as 140-207. Individual ICD-8 cancer codes are converted to ICD-9 prior to creating this variable.

Cancer Causes of Death

Cancer Causes of Death	ICD-9 (1979-1998)#	ICD-10 (1999+)#	Recode
All Malignant Cancers	140-208, 238.6	C00-C97	--
Oral Cavity and Pharynx			
Lip	140	C00	20010
Tongue	141	C01-C02	20020
Salivary Gland	142	C07-C08	20030
Floor of Mouth	144	C04	20040
Gum and Other Mouth	143, 145	C03, C05-C06	20050
Nasopharynx	147	C11	20060
Tonsil	146.0-146.2	C09	20070
Oropharynx	146.3-146.9	C10	20080
Hypopharynx	148	C12-C13	20090
Other Oral Cavity and Pharynx	149	C14	20100
Digestive System			
Esophagus	150	C15	21010
Stomach	151	C16	21020
Small Intestine	152	C17	21030
Colon and Rectum			
Colon Excluding Rectum	53, 159.0	C18, C26.0	21040
Rectum and Rectosigmoid Junction	154.0-154.1	C19-C20	21050
Anus, Anal Canal and Anorectum	154.2-154.3, 154.8	C21	21060
Liver and Intrahepatic Bile Duct			
Liver	155.0, 155.2	C22.0, C22.2-C22.4, C22.7, C22.9	21071
Intrahepatic Bile Duct	155.1	C22.1	21072
Gallbladder	156.0	C23	21080
Other Biliary	156.1-156.2, 156.8-156.9	C24	21090
Pancreas	157	C25	21100
Retroperitoneum	158.0	C48.0	21110
Peritoneum, Omentum and Mesentery	158.8-158.9	C45.1+, C48.1-C48.2	21120
Other Digestive Organs	159.8-159.9	C26.8-C26.9, C48.8	21130
Respiratory System			
Nose, Nasal Cavity and Middle Ear	160	C30-C31	22010
Larynx	161	C32	22020
Lung and Bronchus	162.2-162.5, 162.8-162.9	C34	22030
Pleura	163	C38.4, C45.0+	22050
Trachea, Mediastinum and Other Respiratory Organs	162.0, 164.2-164.3, 164.8-164.9, 165	C33, C38.1-C38.3, C38.8, C39	22060

Cancer Causes of Death	ICD-9 (1979-1998)#	ICD-10 (1999+)#	Recode
Bones and Joints	170	C40-C41	23000
Soft Tissue Including Heart$	164.1, 171	C47, C49, C38.0, C45.2+	24000
Skin Excluding Basal and Squamous			
Melanoma of the Skin	172	C43	25010
Other Non-Epithelial Skin	173	C44, C46+	25020
Breast	174-175	C50	26000
Female Genital System			
Cervix Uteri	180	C53	27010
Corpus and Uterus, NOS			
Corpus Uteri	182	C54	27020
Uterus, NOS	179	C55	27030
Ovary	183.0	C56	27040
Vagina	184.0	C52	27050
Vulva	184.1-184.4	C51	27060
Other Female Genital Organs	181, 183.2-183.5, 183.8-183.9, 184.8-184.9	C57-C58	27070
Male Genital System			
Prostate	185	C61	28010
Testis	186	C62	28020
Penis	187.1-187.4	C60	28030
Other Male Genital Organs	187.5-187.9	C63	28040
Urinary System			
Urinary Bladder	188	C67	29010
Kidney and Renal Pelvis	189.0-189.1	C64-C65	29020
Ureter	189.2	C66	29030
Other Urinary Organs	189.3-189.4, 189.8-189.9	C68	29040
Eye and Orbit	190	C69	30000
Brain and Other Nervous System	191, 192	C70, C71, C72	31010
Endocrine System			
Thyroid	193	C73	32010
Other Endocrine iIncluding Thymus$	164.0, 194	C37, C74-C75	32020
Lymphoma			
Hodgkin Lymphoma	201	C81	33010
Non-Hodgkin Lymphoma	200, 202.0-202.2, 202.8-202.9	C82-C85, C96.3	33040
Myeloma	203.0, 238.6	C90.0, C90.2	34000
Leukemia			
Lymphocytic Leukemia			
Acute Lymphocytic Leukemia	204.0	C91.0	35011
Chronic Lymphocytic Leukemia	204.1	C91.1	35012
Other Lymphocytic Leukemia	202.4, 204.2, 204.8-204.9	C91.2-C91.4, C91.7, C91.9	35013
Myeloid and Monocytic Leukemia			
Acute Myeloid	205.0, 207.0, 207.2	C92.0, C92.4-C92.5, C94.0, C94.2	35021
Acute Monocytic Leukemia	206.0	C93.0	35031
Chronic Myeloid Leukemia	205.1	C92.1	35022
Other Myeloid/Monocytic Leukemia	205.2-205.3, 205.8-205.9, 206.1-206.2,	C92.2-C92.3, C92.7, C92.9, C93.1-C93.2,	35023

Cancer Causes of Death	ICD-9 (1979-1998)#	ICD-10 (1999+)#	Recode
	206.8-206.9	C93.7, C93.9	
Other Leukemia			
Other Acute Leukemia	208.0	C94.4, C94.5, C95.0	35041
Aleukemic, Subleukemic and NOS	203.1, 207.1, 207.8, 208.1-208.2, 208.8-208.9	C90.1, C91.5, C94.1, C94.3, C94.7, C95.1, C95.2, C95.7, C95.9	35043
Mesothelioma (ICD-10 only)+	N/A	C45+	36010
Kaposi Sarcoma (ICD-10 only)+	N/A	C46+	36020
Miscellaneous Malignant Cancer	159.1, 195-199, 202.3, 202.5-202.6, 203.8	C26.1, C45.7+, C45.9+, C76-C80, C88, C96.0-C96.2, C96.7, C96.9, C97	37000

All ICD codes are tested for validity prior to generating this variable. Those deemed invalid are classified as Unknown/Missing/Invalid COD. Those deemed valid but not meeting the definition of any above grouping are classified as Other Cause of Death.

+ This variable can be created with or without Mesothelioma (C45) and Kaposi Sarcoma (C46) as separate groupings. The table above documents both possibilities. Note that this is only possible with ICD-10.

$ ICD-8 code 192.5 is coded to Other Endocrine Including Thymus for age at death <20 years and Soft Tissue Including Heart for age at death 20+ years.