



Surveillance, Epidemiology, and End Results Program

Turning Cancer Data Into Discovery

[Home](#) ▶ [For Researchers](#) ▶ [Cause of Death Recode](#) ▶ SEER Cause of Death Recode 1969+ (9/17/2004)

SEER Cause of Death Recode 1969+ (9/17/2004)

The information provided in this table is also available in an [ASCII text file](http://seer.cancer.gov/index.txt) (<http://seer.cancer.gov/index.txt>) (semicolons are used as the delimiters).

To see how this variable is used in SEER publications and to read about other cause of death recode variables, please see [SEER Cause of Death Recode](http://seer.cancer.gov/codrecode/) (<http://seer.cancer.gov/codrecode/>).

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	153, 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
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 including 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, 206.8–206.9	C92.2–C92.3, C92.7, C92.9, C93.1–C93.2, C93.7, C93.9	35023
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

Non-Cancer Causes of Death

--	--	--	--

Non-Cancer Causes of Death	ICD-8 (1968-1978) #	ICD-9 (1979-1998) #	ICD-10 (1999+) #	Recode
In situ, benign or unknown behavior neoplasm	208-239	210-237, 238.0-238.5, 238.7-238.9, 239	D00-D48	38000
Tuberculosis	010-018	010-018	A15-A19	50000
Syphilis	090-097	090-097	A50-A53	50010
Human Immunodeficiency Virus (HIV) (1987+)	N/A	042-044	B20-B24	50040% %
Septicemia	038	038	A40-A41	50030
Other Infectious and Parasitic Diseases	001-009, 020-037, 039-043, 045-065, 067-076, 078-089, 098-130.1, 130.3-136	001-009, 020-037, 039-041, 045-088, 098-139	A00-A09, A20-A33, A35-A39, A42-A49, A54-B19, B25-B99	50040% %
Diabetes Mellitus	250	250	E10-E14	50050
Alzheimers (ICD-9 and 10 only)	N/A	331.0	G30	50051
Diseases of Heart	390-398, 402, 404, 410-429	390-398, 402, 404, 410-429	I00-I09, I11, I13, I20-I51	50060
Hypertension without Heart Disease	400-401, 403	401, 403	I10, I12	50070
Cerebrovascular Diseases	430-438	430-438	I60-I69	50080
Atherosclerosis	440	440	I70	50090
Aortic Aneurysm and Dissection	441	441	I71	50100
Other Diseases of Arteries, Arterioles, Capillaries	442-448	442-448	I72-I78	50110
Pneumonia and Influenza	470-474, 480-486	480-487	J09-J18	50120
Chronic Obstructive Pulmonary Disease and Allied Cond	490-493, 519.3	490-496	J40-J47	50130
Stomach and Duodenal Ulcers	531-533	531-533	K25-K28	50140
Chronic Liver Disease and Cirrhosis	571	571	K70, K73-K74	50150
Nephritis, Nephrotic Syndrome and Nephrosis	580-584, 593.0-593.3, 593.5	580-589	N00-N07, N17-N19, N25-N27	50160
Complications of Pregnancy, Childbirth, Puerperium	630-678	630-676	A34, O00-O95, O98-O99	50170
Congenital Anomalies	740-759	740-759	Q00-Q99	50180
Certain Conditions Originating in Perinatal Period	760-779	760-779	P00-P96	50190
Symptoms, Signs and	780-796	780-799	R00-R99	50200

III-Defined Conditions				
Accidents and Adverse Effects	800-949*	800-949*	V01-X59, Y85-Y86	50210
Suicide and Self-Inflicted Injury	950-959*	950-959*	U03, X60-X84, Y87.0	50220
Homicide and Legal Intervention	960-978*	960-978*	U01-U02, X85-Y09, Y35, Y87.1, Y89.0	50230
Other Cause of Death	--	--	--	50300

Codes Not Indicating Causes of Death[^]

Significance of Code	Recode
Alive	00000 [^]
State DC not available or state DC available but no COD	41000 [^]
Unknown/missing/invalid COD	99999 [^]

(<http://seer.cancer.gov>)

(<http://seer.cancer.gov>) # 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. The following documents contain an enumeration of valid [ICD-8](http://seer.cancer.govvalid.icd-8.txt) (<http://seer.cancer.govvalid.icd-8.txt>), [ICD-9](http://seer.cancer.govvalid.icd-9.txt) (<http://seer.cancer.govvalid.icd-9.txt>), and [ICD-10](http://seer.cancer.govvalid.icd-10.txt) (<http://seer.cancer.govvalid.icd-10.txt>) causes of death.

(<http://seer.cancer.gov>) + 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.

(<http://seer.cancer.gov>) \$ 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.

(<http://seer.cancer.gov>) * External causes of injury and poisoning.

(<http://seer.cancer.gov>) % For reasons of patient confidentiality, HIV and Other Infectious and Parasitic Diseases are combined into a single code (50040) in the SEER incidence data.

(<http://seer.cancer.gov>) ^ These codes are only applicable when representing cause of death in the SEER incidence data.

The SEER Website is a service of the [Surveillance Research Program, NCI](#)

NIH... Turning Discovery Into Health[®]