

Table A.8

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

| Cancer Causes of Death | ICD-9 (1979-1998) # | ICD-10 (1999+) # |
|---|--|-------------------------------------|
| All Malignant Cancers | 140-208, 238.6 | C00-C97 |
| Oral Cavity and Pharynx | | |
| Lip | 140 | C00 |
| Tongue | 141 | C01-C02 |
| Salivary Gland | 142 | C07-C08 |
| Floor of Mouth | 144 | C04 |
| Gum and Other Mouth | 143, 145 | C03, C05-C06 |
| Nasopharynx | 147 | C11 |
| Tonsil | 146.0-146.2 | C09 |
| Oropharynx | 146.3-146.9 | C10 |
| Hypopharynx | 148 | C12-C13 |
| Other Oral Cavity and Pharynx | 149 | C14 |
| Digestive System | | |
| Esophagus | 150 | C15 |
| Stomach | 151 | C16 |
| Small Intestine | 152 | C17 |
| Colon and Rectum | | |
| Colon excluding Rectum | 153, 159.0 | C18, C26.0 |
| Rectum and Rectosigmoid Junction | 154.0-154.1 | C19-C20 |
| Anus, Anal Canal and Anorectum | 154.2-154.3, 154.8 | C21 |
| Liver and Intrahepatic Bile Duct | | |
| Liver | 155.0, 155.2 | C22.0, C22.2-C22.4, C22.7, C22.9 |
| Intrahepatic Bile Duct | 155.1 | C22.1 |
| Gallbladder | 156.0 | C23 |
| Other Biliary | 156.1-156.2, 156.8-156.9 | C24 |
| Pancreas | 157 | C25 |
| Retroperitoneum | 158.0 | C48.0 |
| Peritoneum, Omentum and Mesentery | 158.8-158.9 | C45.1 ⁺ , C48.1-C48.2 |
| Other Digestive Organs | 159.8-159.9 | C26.8-C26.9, C48.8 |
| Respiratory System | | |
| Nose, Nasal Cavity and Middle Ear | 160 | C30-C31 |
| Larynx | 161 | C32 |
| Lung and Bronchus | 162.2-162.5, 162.8-162.9 | C34 |
| Pleura | 163 | C38.4, C45.0 ⁺ |
| 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 |
| Bones and Joints | 170 | C40-C41 |
| Soft Tissue including Heart § | 164.1, 171 | C47, C49, C38.0, C45.2 ⁺ |
| Skin excluding Basal and Squamous | | |
| Melanoma of the Skin | 172 | C43 |
| Other Non-Epithelial Skin | 173 | C44, C46 ⁺ |
| Breast | 174-175 | C50 |
| Female Genital System | | |
| Cervix Uteri | 180 | C53 |
| Corpus and Uterus, NOS | | |
| Corpus Uteri | 182 | C54 |
| Uterus, NOS | 179 | C55 |
| Ovary | 183.0 | C56 |
| Vagina | 184.0 | C52 |
| Vulva | 184.1-184.4 | C51 |
| Other Female Genital Organs | 181, 183.2-183.5, 183.8-183.9, 184.8-184.9 | C57-C58 |
| Male Genital System | | |
| Prostate | 185 | C61 |
| Testis | 186 | C62 |
| Penis | 187.1-187.4 | C60 |
| Other Male Genital Organs | 187.5-187.9 | C63 |
| Urinary System | | |
| Urinary Bladder | 188 | C67 |
| Kidney and Renal Pelvis | 189.0-189.1 | C64-C65 |
| Ureter | 189.2 | C66 |
| Other Urinary Organs | 189.3-189.4, 189.8-189.9 | C68 |
| Eye and Orbit | 190 | C69 |
| Brain and Other Nervous System | 191, 192 | C70, C71, C72 |
| Endocrine System | | |
| Thyroid | 193 | C73 |
| Other Endocrine including Thymus [§] | 164.0, 194 | C37, C74-C75 |
| Lymphoma | | |
| Hodgkin Lymphoma | 201 | C81 |
| Non-Hodgkin Lymphoma | 200, 202.0-202.2, 202.8-202.9 | C82-C85, C96.3 |

Table A.8 - continued

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

| Cancer Causes of Death | ICD-9 (1979-1998) # | ICD-10 (1999+) # |
|---------------------------------------|--|---|
| Myeloma | 203.0, 238.6 | C90.0, C90.2 |
| Leukemia | | |
| Lymphocytic Leukemia | | |
| Acute Lymphocytic Leukemia | 204.0 | C91.0 |
| Chronic Lymphocytic Leukemia | 204.1 | C91.1 |
| Other Lymphocytic Leukemia | 202.4, 204.2, 204.8-204.9 | C91.2-C91.4, C91.7, C91.9 |
| Myeloid and Monocytic Leukemia | | |
| Acute Myeloid Leukemia | 205.0, 207.0, 207.2 | C92.0, C92.4-C92.5, C94.0, C94.2 |
| Acute Monocytic Leukemia | 206.0 | C93.0 |
| Chronic Myeloid Leukemia | 205.1 | C92.1 |
| 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 |
| Other Leukemia | | |
| Other Acute Leukemia | 208.0 | C94.4, C94.5, C95.0 |
| 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 |
| Mesothelioma (ICD-10 only) * | N/A | C45* |
| Kaposi Sarcoma (ICD-10 only) * | N/A | C46* |
| Miscellaneous | 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 |

| Non-Cancer Causes of Death | ICD-8 (1968-1978) # | ICD-9 (1979-1998) # | ICD-10 (1999+) # |
|---|--|---|--|
| In situ, benign or unknown behavior neoplasm | 208-239 | 210-237, 238.0-238.5, 238.7-238.9, 239 | D00-D48 |
| Tuberculosis | 010-018 | 010-018 | A15-A19 |
| Syphilis | 090-097 | 090-097 | A50-A53 |
| Human Immunodeficiency Virus (1987+) | N/A | 042-044 | B20-B24 |
| Septicemia | 038 | 038 | A40-A41 |
| 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 |
| Diabetes Mellitus | 250 | 250 | E10-E14 |
| Alzheimers (ICD-9 and 10 only) | N/A | 331.0 | G30 |
| Diseases of Heart | 390-398, 402, 404, 410-429 | 390-398, 402, 404, 410-429 | I00-I09, I11, I13, I20-I51 |
| Hypertension without Heart Disease | 400-401, 403 | 401, 403 | I10, I12 |
| Cerebrovascular Diseases | 430-438 | 430-438 | I60-I69 |
| Atherosclerosis | 440 | 440 | I70 |
| Aortic Aneurysm and Dissection | 441 | 441 | I71 |
| Other Diseases of Arteries, Arterioles, Capillaries | 442-448 | 442-448 | I72-I78 |
| Pneumonia and Influenza | 470-474, 480-486 | 480-487 | J10-J18 |
| Chronic Obstructive Pulmonary Disease and Allied Cond | 490-493, 519.3 | 490-496 | J40-J47 |
| Stomach and Duodenal Ulcers | 531-533 | 531-533 | K25-K28 |
| Chronic Liver Disease and Cirrhosis | 571 | 571 | K70, K73-K74 |
| Nephritis, Nephrotic Syndrome and Nephrosis | 580-584, 593.0-593.3, 593.5 | 580-589 | N00-N07, N17-N19, N25-N27 |
| Complications of Pregnancy, Childbirth, Puerperium | 630-678 | 630-676 | A34, O00-O95, O98-O99 |
| Congenital Anomalies | 740-759 | 740-759 | Q00-Q99 |
| Certain Conditions Originating in Perinatal Period | 760-779 | 760-779 | P00-P96 |
| Symptoms, Signs and Ill-Defined Conditions | 780-796 | 780-799 | R00-R99 |
| Accidents and Adverse Effects | 800-949* | 800-949* | V01-X59, Y85-Y86 |
| Suicide and Self-Inflicted Injury | 950-959* | 950-959* | U03, X60-X84, Y87.0 |
| Homicide and Legal Intervention | 960-978* | 960-978* | U01-U02, X85-Y09, Y35, Y87.1, Y89.0 |

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 this is only possible with ICD-10.

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

* External causes of injury and poisoning.