**Suppl 3.** Non-cancer and cancer causes of mortalities according to SEER Recode among patients with non-metastatic gastric adenocarcinoma undergoing *resection with/without chemotherapy*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Causes of mortality** | **SEER Recode** | **ICD-10 Code** | **Resection** | **Resection and chemotherapy** |
| ***Non-cancer causes of mortality*** |  |  |  |  |
| **Total** | 38000-50300 |  | 2464 (100.0) | 721 (100.0) |
| **In situ, benign or unknown behavior neoplasm** | 38000 | D00-D48 | 30 (1.2) | 16 (2.2) |
| **Tuberculosis** | 50000 | A15-A19 | 1 (<0.1) | 1 (0.1) |
| **Septicemia** | 50030 | A40-A41 | 97 (3.9) | 35 (4.9) |
| **Human Immunodeficiency Virus and Other Infectious and Parasitic Diseases** | 50040 | A00-A08, A20-A33, A35-A39, A42-A49, A54-B99 | 49 (2.0) | 15 (2.1) |
| **Diabetes Mellitus** | 50050 | E10-E14 | 94 (3.8) | 25 (3.5) |
| **Alzheimers** | 50051 | G30 | 62 (2.5) | 12 (1.7) |
| **Diseases of Heart** | 50060 | I00-I09, I11, I13, I20-I51 | 764 (31.0) | 160 (22.2) |
| **Hypertension without Heart Disease** | 50070 | I10, I12 | 44 (1.8) | 16 (2.2) |
| **Cerebrovascular Diseases** | 50080 | I60-I69 | 166 (6.7) | 53 (7.4) |
| **Atherosclerosis** | 50090 | I70 | 9 (0.4) | 0 (0.0) |
| **Aortic Aneurysm and Dissection** | 50100 | I71 | 10 (0.4) | 3 (0.4) |
| **Other Diseases of Arteries, Arterioles, Capillaries** | 50110 | I72-I78 | 9 (0.4) | 2 (0.3) |
| **Pneumonia and Influenza** | 50120 | J09-J18 | 101 (4.1) | 31 (4.3) |
| **Chronic Obstructive Pulmonary Disease and Allied Cond** | 50130 | J40-J47 | 172 (7.0) | 42 (5.8) |
| **Stomach and Duodenal Ulcers** | 50140 | K25-K28 | 13 (0.5) | 7 (1.0) |
| **Chronic Liver Disease and Cirrhosis** | 50150 | K70, K73-K74 | 36 (1.5) | 13 (1.8) |
| **Nephritis, Nephrotic Syndrome and Nephrosis** | 50160 | N00-N07, N17-N19, N25-N27 | 98 (4.0) | 23 (3.2) |
| **Complications of Pregnancy, Childbirth, Puerperium** | 50170 | A34, O00-O95, O98-O99 | 2 (0.1) | 2 (0.3) |
| **Congenital Anomalies** | 50180 | Q00-Q99 | 4 (0.2) | 3 (0.4) |
| **Symptoms, Signs and Ill-Defined Conditions** | 50200 | R00-R99 | 42 (1.7) | 19 (2.6) |
| **Accidents and Adverse Effects** | 50210 | V01-X59, Y85-Y86 | 94 (3.8) | 31 (4.3) |
| **Suicide and Self-Inflicted Injury** | 50220 | U03, X60-X84, Y87.0 | 21 (0.9) | 8 (1.1) |
| **Homicide and Legal Intervention** | 50230 | U01-U02, X85-Y09, Y35, Y87.1, Y89.0 | 1 (<0.1) | 1 (0.1) |
| **Other Cause of Death** | 50300 |  | 545 (22.1) | 203 (28.2) |
| ***Cancer causes of mortality*** |  |  |  |  |
| **Total** | 20010-37000 | C00-C97 | 8840 (100.0) | 5054 (100.0) |
| **Oral Cavity and Pharynx** |  |  |  |  |
| Tongue | 20020 | C01-C02 | 1 (<0.1) | 0 (0.0) |
| Other Oral Cavity and Pharynx | 20100 | C14 | 3 (<0.1) | 2 (<0.1) |
| **Digestive System** |  |  |  |  |
| Esophagus | 21010 | C15 | 1705 (19.3) | 1213 (24.0) |
| Stomach | 21020 | C16 | 6459 (73.1) | 3556 (70.4) |
| Small Intestine | 21030 | C17 | 6 (0.1) | 4 (0.1) |
| Colon excluding Rectum | 21040 | C18, C26.0 | 64 (0.7) | 26 (0.5) |
| Rectum and Rectosigmoid Junction | 21050 | C19-C20 | 5 (0.1) | 2 (<0.1) |
| Liver | 21071 | C22.0, C22.2-C22.4, C22.7, C22.9 | 28 (0.3) | 16 (0.3) |
| Intrahepatic Bile Duct | 21072 | C22.1 | 6 (0.1) | 2 (<0.1) |
| Gallbladder | 21080 | C23 | 3 (<0.1) | 1 (<0.1) |
| Other Biliary | 21090 | C24 | 3 (<0.1) | 1 (<0.1) |
| Pancreas | 21100 | C25 | 74 (0.8) | 27 (0.5) |
| Peritoneum, Omentum and Mesentery | 21120 | C45.1, C48.1-C48.2 | 1 (<0.1) | 0 (0.0) |
| Other Digestive Organs | 21130 | C26.8-C26.9, C48.8 | 49 (0.6) | 20 (0.4) |
| **Respiratory System** |  |  |  |  |
| Nose, Nasal Cavity and Middle Ear | 22010 | C30-C31 | 1 (<0.1) | 1 (<0.1) |
| Larynx | 22020 | C32 | 1 (<0.1) | 0 (0.0) |
| Lung and Bronchus | 22030 | C34 | 114 (1.3) | 44 (0.9) |
| **Bones and Joints** | 23000 | C40-C41 | 1 (<0.1) | 1 (<0.1) |
| **Soft Tissue including Heart** | 24000 | C47, C49, C38.0, C45.2 | 5 (0.1) | 0 (0.0) |
| **Skin** |  |  |  |  |
| Melanoma of the Skin | 25010 | C43 | 3 (<0.1) | 1 (<0.1) |
| Non-Melanoma Skin | 25020 | C44, C46 | 3 (<0.1) | 1 (<0.1) |
| **Breast** | 26000 | C50 | 17 (0.2) | 4 (0.1) |
| **Female Genital System** |  |  |  |  |
| Corpus Uteri | 27020 | C54 | 1 (<0.1) | 0 (0.0) |
| Uterus, NOS | 27030 | C55 | 8 (0.1) | 3 (0.1) |
| Ovary | 27040 | C56 | 8 (0.1) | 4 (0.1) |
| **Male Genital System** |  |  |  |  |
| Prostate | 28010 | C61 | 17 (0.2) | 2 (<0.1) |
| Testis | 28020 | C62 | 3 (<0.1) | 1 (<0.1) |
| **Urinary System** |  |  |  |  |
| Urinary Bladder | 29010 | C67 | 14 (0.2) | 8 (0.2) |
| Kidney and Renal Pelvis | 29020 | C64-C65 | 11 (0.1) | 3 (0.1) |
| Ureter | 29030 | C66 | 1 (<0.1) | 0 (0.0) |
| Other Urinary Organs | 29040 | C68 | 1 (<0.1) | 1 (<0.1) |
| **Brain and Other Nervous System** | 31010 | C70, C71, C72 | 11 (0.1) | 4 (0.1) |
| **Endocrine System** |  |  |  |  |
| Thyroid | 32010 | C73 | 1 (<0.1) | 1 (<0.1) |
| Other Endocrine including Thymus | 32020 | C37, C74-C75 | 1 (<0.1) | 1 (<0.1) |
| **Lymphoma** |  |  |  |  |
| Non-Hodgkin Lymphoma | 33040 | C82–86, C96.3 | 14 (0.2) | 5 (0.1) |
| **Myeloma** | 34000 | C90.0, C90.2, C90.3 | 5 (0.1) | 1 (<0.1) |
| **Leukemia** |  |  |  |  |
| Acute Lymphocytic Leukemia | 35011 | C91.0 | 3 (<0.1) | 0 (0.0) |
| Chronic Lymphocytic Leukemia | 35012 | C91.1 | 3 (<0.1) | 0 (0.0) |
| Acute myeloid | 35021 | C92.0, C92.4-C92.6, C92.8, C94.0, C94.2 | 9 (0.1) | 7 (0.1) |
| Chronic Myeloid Leukemia | 35022 | C92.1 | 2 (<0.1) | 1 (<0.1) |
| Other Myeloid/Monocytic Leukemia | 35023 | C92.2-C92.3, C92.7, C92.9, C93.1-C93.3, C93.7, C93.9 | 1 (<0.1) | 0 (0.0) |
| Other Acute Leukemia | 35041 | C94.4, C94.5, C95.0 | 6 (0.1) | 3 (0.1) |
| Aleukemic, subleukemic and NOS | 35043 | C90.1, C91.5, C94.1, C94.3, C94.7, C95.1, C95.2, C95.7, C95.9 | 3 (<0.1) | 2 (<0.1) |
| **Miscellaneous Malignant Cancer** | 37000 | C26.1, C45.7, C45.9, C76-C80, C88, C94.6, C96.0-C96.2, C96.4-C96.9, C97 | 165 (1.9) | 85 (1.7) |

NOS, not otherwise specified.