

Table A.2

Standard Errors of Incidence Rates, 2010-2014

By Primary Cancer Site, Race and Sex
18 SEER Geographic Areas

| Site | All Races | | | Whites | | | Blacks | | |
|--------------------------|------------|-------|---------|------------|-------|---------|------------|-------|---------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Oral Cavity & Pharynx | 0.05 | 0.09 | 0.05 | 0.06 | 0.10 | 0.06 | 0.14 | 0.27 | 0.14 |
| Esophagus | 0.03 | 0.06 | 0.03 | 0.04 | 0.07 | 0.03 | 0.10 | 0.20 | 0.09 |
| Stomach | 0.04 | 0.07 | 0.05 | 0.04 | 0.08 | 0.05 | 0.16 | 0.29 | 0.18 |
| Colon & Rectum | 0.09 | 0.15 | 0.12 | 0.11 | 0.17 | 0.13 | 0.34 | 0.57 | 0.41 |
| Colon | 0.08 | 0.13 | 0.10 | 0.09 | 0.14 | 0.11 | 0.29 | 0.50 | 0.36 |
| Rectum | 0.05 | 0.08 | 0.06 | 0.06 | 0.09 | 0.07 | 0.17 | 0.29 | 0.20 |
| Liver & IBD ^a | 0.04 | 0.08 | 0.04 | 0.05 | 0.08 | 0.05 | 0.14 | 0.28 | 0.14 |
| Pancreas | 0.05 | 0.09 | 0.07 | 0.06 | 0.09 | 0.07 | 0.19 | 0.32 | 0.24 |
| Larynx | 0.03 | 0.05 | 0.02 | 0.03 | 0.06 | 0.02 | 0.10 | 0.22 | 0.08 |
| Lung & Bronchus | 0.11 | 0.18 | 0.14 | 0.13 | 0.20 | 0.16 | 0.39 | 0.72 | 0.45 |
| Melanoma of the skin | 0.07 | 0.12 | 0.09 | 0.09 | 0.15 | 0.11 | 0.05 | 0.08 | 0.06 |
| Breast | 0.12 | 0.02 | 0.23 | 0.14 | 0.03 | 0.26 | 0.40 | 0.11 | 0.69 |
| Cervix uteri | 0.03 | - | 0.06 | 0.03 | - | 0.07 | 0.10 | - | 0.18 |
| Corpus & Uterus, NOS | 0.05 | - | 0.10 | 0.06 | - | 0.12 | 0.18 | - | 0.31 |
| Ovary ^b | 0.04 | - | 0.07 | 0.04 | - | 0.08 | 0.11 | - | 0.19 |
| Prostate | 0.11 | 0.24 | - | 0.12 | 0.26 | - | 0.42 | 1.01 | - |
| Testis | 0.03 | 0.05 | - | 0.03 | 0.07 | - | 0.04 | 0.08 | - |
| Urinary bladder | 0.07 | 0.14 | 0.06 | 0.08 | 0.16 | 0.07 | 0.18 | 0.38 | 0.17 |
| Kidney & Renal pelvis | 0.06 | 0.10 | 0.07 | 0.07 | 0.12 | 0.08 | 0.20 | 0.36 | 0.22 |
| Brain & ONS ^a | 0.04 | 0.06 | 0.05 | 0.05 | 0.07 | 0.06 | 0.09 | 0.15 | 0.11 |
| Thyroid | 0.06 | 0.06 | 0.10 | 0.07 | 0.07 | 0.12 | 0.13 | 0.13 | 0.22 |
| Hodgkin lymphoma | 0.02 | 0.04 | 0.03 | 0.03 | 0.04 | 0.04 | 0.07 | 0.11 | 0.09 |
| Non-Hodgkin lymphoma | 0.07 | 0.11 | 0.08 | 0.08 | 0.12 | 0.09 | 0.18 | 0.31 | 0.22 |
| Myeloma | 0.04 | 0.07 | 0.05 | 0.04 | 0.07 | 0.05 | 0.18 | 0.31 | 0.21 |
| Leukemia | 0.06 | 0.09 | 0.07 | 0.06 | 0.11 | 0.08 | 0.16 | 0.29 | 0.19 |
| Acute lymphocytic | 0.02 | 0.03 | 0.03 | 0.02 | 0.04 | 0.03 | 0.04 | 0.06 | 0.06 |
| Chronic lymphocytic | 0.03 | 0.06 | 0.04 | 0.04 | 0.07 | 0.04 | 0.09 | 0.18 | 0.10 |
| Acute myeloid | 0.03 | 0.05 | 0.04 | 0.04 | 0.06 | 0.04 | 0.09 | 0.16 | 0.11 |
| Chronic myeloid | 0.02 | 0.03 | 0.02 | 0.02 | 0.04 | 0.03 | 0.06 | 0.10 | 0.07 |
| All others | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.05 | 0.09 | 0.06 |
| Kaposi Sarcoma | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.05 | 0.09 | 0.02 |
| Mesothelioma | 0.01 | 0.03 | 0.01 | 0.02 | 0.04 | 0.02 | 0.04 | 0.08 | 0.03 |
| All Sites | 0.31 | 0.49 | 0.41 | 0.36 | 0.55 | 0.48 | 1.02 | 1.76 | 1.24 |

Source: SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

^b Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table A.2

Standard Errors of Incidence Rates, 2010-2014

By Primary Cancer Site, Race and Sex
18 SEER Geographic Areas

| Site | Asian/Pacific Islander | | | American Indian/Alaska Native ^a | | | Hispanic ^b | | |
|--------------------------|------------------------|-------|---------|--|-------|---------|-----------------------|-------|---------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Oral Cavity & Pharynx | 0.13 | 0.24 | 0.14 | 0.58 | 1.07 | 0.61 | 0.11 | 0.20 | 0.11 |
| Esophagus | 0.07 | 0.14 | 0.06 | 0.34 | 0.69 | 0.31 | 0.07 | 0.15 | 0.06 |
| Stomach | 0.16 | 0.28 | 0.18 | 0.69 | 1.22 | 0.80 | 0.14 | 0.25 | 0.17 |
| Colon & Rectum | 0.28 | 0.46 | 0.34 | 1.32 | 2.12 | 1.69 | 0.25 | 0.42 | 0.31 |
| Colon | 0.23 | 0.37 | 0.29 | 1.13 | 1.79 | 1.47 | 0.21 | 0.35 | 0.27 |
| Rectum | 0.16 | 0.28 | 0.19 | 0.68 | 1.12 | 0.83 | 0.14 | 0.24 | 0.16 |
| Liver & IBD ^c | 0.17 | 0.32 | 0.18 | 0.73 | 1.27 | 0.82 | 0.16 | 0.28 | 0.16 |
| Pancreas | 0.15 | 0.25 | 0.20 | 0.65 | 1.09 | 0.81 | 0.15 | 0.24 | 0.19 |
| Larynx | 0.05 | 0.11 | 0.03 | 0.27 | 0.55 | - | 0.06 | 0.14 | 0.04 |
| Lung & Bronchus | 0.29 | 0.51 | 0.34 | 1.31 | 2.30 | 1.55 | 0.25 | 0.43 | 0.30 |
| Melanoma of the skin | 0.06 | 0.09 | 0.07 | 0.42 | 0.64 | 0.58 | 0.09 | 0.15 | 0.12 |
| Breast | 0.34 | 0.05 | 0.62 | 1.28 | - | 2.34 | 0.29 | 0.06 | 0.53 |
| Cervix uteri | 0.08 | - | 0.16 | 0.36 | - | 0.69 | 0.08 | - | 0.16 |
| Corpus & Uterus, NOS | 0.15 | - | 0.28 | 0.61 | - | 1.13 | 0.14 | - | 0.25 |
| Ovary ^d | 0.11 | - | 0.20 | 0.45 | - | 0.81 | 0.10 | - | 0.18 |
| Prostate | 0.25 | 0.58 | - | 1.06 | 2.47 | - | 0.29 | 0.66 | - |
| Testis | 0.05 | 0.10 | - | 0.27 | 0.53 | - | 0.05 | 0.10 | - |
| Urinary bladder | 0.15 | 0.30 | 0.13 | 0.64 | 1.36 | 0.56 | 0.15 | 0.32 | 0.13 |
| Kidney & Renal pelvis | 0.14 | 0.25 | 0.15 | 0.80 | 1.43 | 0.91 | 0.16 | 0.29 | 0.19 |
| Brain & ONS ^c | 0.09 | 0.15 | 0.11 | 0.32 | 0.55 | 0.38 | 0.09 | 0.14 | 0.11 |
| Thyroid | 0.17 | 0.18 | 0.28 | 0.57 | 0.58 | 0.94 | 0.13 | 0.13 | 0.22 |
| Hodgkin lymphoma | 0.05 | 0.09 | 0.07 | 0.23 | 0.34 | 0.31 | 0.05 | 0.09 | 0.07 |
| Non-Hodgkin lymphoma | 0.18 | 0.30 | 0.21 | 0.71 | 1.14 | 0.91 | 0.18 | 0.30 | 0.23 |
| Myeloma | 0.09 | 0.16 | 0.11 | 0.48 | 0.74 | 0.64 | 0.11 | 0.19 | 0.13 |
| Leukemia | 0.13 | 0.23 | 0.16 | 0.55 | 0.93 | 0.67 | 0.13 | 0.22 | 0.16 |
| Acute lymphocytic | 0.06 | 0.08 | 0.07 | 0.19 | 0.25 | 0.28 | 0.05 | 0.08 | 0.07 |
| Chronic lymphocytic | 0.05 | 0.09 | 0.05 | 0.24 | 0.40 | 0.31 | 0.07 | 0.11 | 0.08 |
| Acute myeloid | 0.09 | 0.15 | 0.11 | 0.32 | 0.55 | 0.38 | 0.08 | 0.13 | 0.10 |
| Chronic myeloid | 0.05 | 0.09 | 0.06 | 0.22 | 0.38 | 0.27 | 0.05 | 0.09 | 0.06 |
| All others | 0.04 | 0.07 | 0.05 | 0.23 | 0.44 | - | 0.04 | 0.08 | 0.05 |
| Kaposi Sarcoma | 0.02 | 0.04 | - | - | - | - | 0.03 | 0.06 | 0.03 |
| Mesothelioma | 0.03 | 0.06 | 0.03 | - | - | - | 0.04 | 0.09 | 0.04 |
| All Sites | 0.82 | 1.29 | 1.09 | 3.59 | 5.74 | 4.69 | 0.79 | 1.29 | 1.00 |

Source: SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG).

^a Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

^c Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

^d IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

- Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table A.4
Standard Errors of Death Rates, 2010-2014
By Primary Cancer Site, Race and Sex
United States

| Site | All Races | | | Whites | | | Blacks | | |
|--------------------------|------------|-------|---------|------------|-------|---------|------------|-------|---------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Oral Cavity & Pharynx | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.04 | 0.08 | 0.04 |
| Esophagus | 0.02 | 0.03 | 0.01 | 0.02 | 0.03 | 0.01 | 0.05 | 0.10 | 0.04 |
| Stomach | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.06 | 0.12 | 0.07 |
| Colon & Rectum | 0.03 | 0.05 | 0.04 | 0.03 | 0.05 | 0.04 | 0.11 | 0.20 | 0.13 |
| Liver & IBD ^a | 0.02 | 0.03 | 0.02 | 0.02 | 0.04 | 0.02 | 0.07 | 0.13 | 0.07 |
| Pancreas | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.09 | 0.15 | 0.11 |
| Larynx | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.07 | 0.02 |
| Lung & Bronchus | 0.05 | 0.09 | 0.06 | 0.06 | 0.09 | 0.07 | 0.17 | 0.33 | 0.19 |
| Melanoma of the skin | 0.01 | 0.02 | 0.01 | 0.01 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 |
| Breast | 0.03 | 0.01 | 0.05 | 0.03 | 0.01 | 0.05 | 0.10 | 0.03 | 0.17 |
| Cervix uteri | 0.01 | - | 0.02 | 0.01 | - | 0.02 | 0.03 | - | 0.06 |
| Corpus & Uterus, NOS | 0.01 | - | 0.02 | 0.01 | - | 0.02 | 0.05 | - | 0.09 |
| Ovary | 0.02 | - | 0.03 | 0.02 | - | 0.03 | 0.05 | - | 0.08 |
| Prostate | 0.02 | 0.05 | - | 0.02 | 0.06 | - | 0.10 | 0.29 | - |
| Testis | 0.00 | 0.01 | - | 0.00 | 0.01 | - | 0.01 | 0.01 | - |
| Urinary bladder | 0.02 | 0.03 | 0.01 | 0.02 | 0.04 | 0.02 | 0.05 | 0.10 | 0.05 |
| Kidney & Renal pelvis | 0.01 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.05 | 0.09 | 0.05 |
| Brain & ONS ^a | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.04 | 0.07 | 0.05 |
| Thyroid | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 |
| Hodgkin lymphoma | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| Non-Hodgkin lymphoma | 0.02 | 0.03 | 0.02 | 0.02 | 0.04 | 0.02 | 0.05 | 0.09 | 0.06 |
| Myeloma | 0.01 | 0.02 | 0.02 | 0.01 | 0.03 | 0.02 | 0.06 | 0.11 | 0.08 |
| Leukemia | 0.02 | 0.04 | 0.02 | 0.02 | 0.04 | 0.03 | 0.06 | 0.11 | 0.07 |
| Acute lymphocytic | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| Chronic lymphocytic | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.06 | 0.03 |
| Acute myeloid | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.04 | 0.07 | 0.04 |
| Chronic myeloid | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.03 | 0.02 |
| All others | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.06 | 0.04 |
| All Sites | 0.10 | 0.17 | 0.12 | 0.11 | 0.18 | 0.13 | 0.35 | 0.64 | 0.41 |

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table A.4
Standard Errors of Death Rates, 2010-2014
By Primary Cancer Site, Race and Sex
United States

| Site | Asian/Pacific Islander | | | American Indian/Alaska Native ^a | | | Hispanic ^b | | |
|--------------------------|------------------------|-------|---------|--|-------|---------|-----------------------|-------|---------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Oral Cavity & Pharynx | 0.05 | 0.09 | 0.05 | 0.18 | 0.37 | 0.17 | 0.03 | 0.06 | 0.03 |
| Esophagus | 0.05 | 0.10 | 0.04 | 0.24 | 0.47 | 0.22 | 0.04 | 0.08 | 0.03 |
| Stomach | 0.09 | 0.16 | 0.10 | 0.30 | 0.55 | 0.33 | 0.06 | 0.11 | 0.07 |
| Colon & Rectum | 0.12 | 0.21 | 0.15 | 0.52 | 0.87 | 0.63 | 0.09 | 0.17 | 0.11 |
| Liver & IBD ^c | 0.12 | 0.21 | 0.12 | 0.40 | 0.72 | 0.44 | 0.08 | 0.15 | 0.09 |
| Pancreas | 0.11 | 0.17 | 0.14 | 0.38 | 0.61 | 0.48 | 0.08 | 0.13 | 0.10 |
| Larynx | 0.02 | 0.05 | 0.01 | 0.11 | 0.25 | - | 0.02 | 0.05 | 0.01 |
| Lung & Bronchus | 0.19 | 0.33 | 0.21 | 0.79 | 1.36 | 0.94 | 0.12 | 0.23 | 0.14 |
| Melanoma of the skin | 0.02 | 0.04 | 0.03 | 0.12 | 0.23 | 0.12 | 0.02 | 0.04 | 0.03 |
| Breast | 0.09 | 0.02 | 0.16 | 0.35 | - | 0.61 | 0.07 | 0.02 | 0.13 |
| Cervix uteri | 0.03 | - | 0.06 | 0.14 | - | 0.26 | 0.03 | - | 0.05 |
| Corpus & Uterus, NOS | 0.05 | - | 0.08 | 0.18 | - | 0.32 | 0.04 | - | 0.07 |
| Ovary | 0.06 | - | 0.10 | 0.23 | - | 0.41 | 0.05 | - | 0.08 |
| Prostate | 0.08 | 0.19 | - | 0.39 | 0.99 | - | 0.08 | 0.19 | - |
| Testis | 0.01 | 0.01 | - | 0.04 | 0.08 | - | 0.01 | 0.02 | - |
| Urinary bladder | 0.05 | 0.11 | 0.05 | 0.20 | 0.41 | 0.20 | 0.04 | 0.09 | 0.04 |
| Kidney & Renal pelvis | 0.05 | 0.10 | 0.05 | 0.32 | 0.57 | 0.35 | 0.05 | 0.09 | 0.06 |
| Brain & ONS ^c | 0.05 | 0.08 | 0.06 | 0.18 | 0.29 | 0.22 | 0.04 | 0.07 | 0.05 |
| Thyroid | 0.03 | 0.04 | 0.04 | 0.09 | - | 0.11 | 0.02 | 0.03 | 0.03 |
| Hodgkin lymphoma | 0.01 | 0.03 | 0.01 | - | - | - | 0.02 | 0.03 | 0.02 |
| Non-Hodgkin lymphoma | 0.08 | 0.13 | 0.09 | 0.27 | 0.49 | 0.31 | 0.06 | 0.11 | 0.07 |
| Myeloma | 0.05 | 0.09 | 0.06 | 0.22 | 0.37 | 0.28 | 0.05 | 0.08 | 0.06 |
| Leukemia | 0.07 | 0.13 | 0.09 | 0.27 | 0.49 | 0.30 | 0.06 | 0.10 | 0.07 |
| Acute lymphocytic | 0.02 | 0.03 | 0.03 | 0.07 | 0.11 | 0.09 | 0.02 | 0.03 | 0.02 |
| Chronic lymphocytic | 0.02 | 0.04 | 0.02 | 0.11 | 0.24 | - | 0.02 | 0.04 | 0.02 |
| Acute myeloid | 0.05 | 0.09 | 0.06 | 0.17 | 0.29 | 0.22 | 0.04 | 0.07 | 0.04 |
| Chronic myeloid | 0.02 | 0.03 | 0.02 | - | - | - | 0.01 | 0.02 | 0.02 |
| All others | 0.04 | 0.07 | 0.04 | 0.15 | 0.27 | 0.16 | 0.03 | 0.06 | 0.04 |
| All Sites | 0.38 | 0.65 | 0.47 | 1.58 | 2.73 | 1.91 | 0.30 | 0.52 | 0.36 |

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^a Mortality data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

^c IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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