

Table 1.5
Age-Adjusted SEER Incidence and U.S. Death Rates and 5-Year Relative Survival (Percent)
By Primary Cancer Site, Sex and Time Period

| Site | Whites | | | | | | | | |
|---------------------------------------|---------------------------------------|-------|---------|--|-------|---------|--|-------|---------|
| | Incidence ^a (2012-2016) | | | US Mortality ^b (2012-2016) | | | Survival ^c (%) (2009-2015) | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Sites | 451.7 | 486.0 | 430.9 | 161.5 | 193.0 | 138.3 | 67.5 | 66.5 | 68.6 |
| Oral Cavity & Pharynx: | 11.9 | 17.9 | 6.6 | 2.5 | 3.8 | 1.3 | 66.7 | 66.4 | 67.7 |
| Lip | 0.7 | 1.2 | 0.4 | 0.0 | 0.0 | 0.0 | 89.6 | 89.9 | 88.7 |
| Tongue | 3.8 | 5.8 | 2.0 | 0.7 | 1.0 | 0.4 | 68.1 | 68.6 | 66.5 |
| Salivary gland | 1.3 | 1.8 | 1.0 | 0.3 | 0.4 | 0.2 | 69.0 | 61.5 | 80.1 |
| Floor of mouth | 0.5 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 53.1 | 50.8 | 57.7 |
| Gum & other oral cavity | 1.6 | 1.9 | 1.3 | 0.4 | 0.5 | 0.3 | 58.9 | 55.5 | 63.0 |
| Nasopharynx | 0.4 | 0.6 | 0.2 | 0.1 | 0.2 | 0.1 | 58.3 | 57.0 | 61.5 |
| Tonsil | 2.2 | 3.8 | 0.7 | 0.3 | 0.4 | 0.1 | 75.6 | 76.0 | 73.0 |
| Oropharynx | 0.5 | 0.8 | 0.2 | 0.3 | 0.4 | 0.1 | 50.6 | 52.0 | 44.7 |
| Hypopharynx | 0.6 | 1.0 | 0.2 | 0.1 | 0.2 | 0.0 | 37.7 | 37.3 | 39.2 |
| Other oral cavity & pharynx | 0.3 | 0.5 | 0.1 | 0.4 | 0.7 | 0.2 | 49.8 | 52.9 | 37.9 |
| Digestive System: | 79.1 | 95.9 | 64.8 | 40.1 | 51.4 | 30.6 | 43.7 | 41.4 | 46.7 |
| Esophagus | 4.6 | 7.9 | 1.8 | 4.2 | 7.5 | 1.5 | 20.7 | 20.4 | 21.9 |
| Stomach | 6.6 | 8.9 | 4.6 | 2.7 | 3.7 | 2.0 | 30.1 | 27.4 | 34.7 |
| Small intestine | 2.3 | 2.7 | 2.0 | 0.4 | 0.5 | 0.3 | 68.6 | 68.0 | 69.2 |
| Colon & Rectum: | 38.1 | 43.4 | 33.6 | 13.8 | 16.5 | 11.7 | 64.9 | 64.5 | 65.3 |
| Colon | 26.8 | 29.4 | 24.6 | - | - | - | 64.3 | 64.1 | 64.4 |
| Rectum | 11.3 | 14.0 | 8.9 | - | - | - | 66.4 | 65.4 | 67.7 |
| Anus, anal canal & anorectum | 2.0 | 1.6 | 2.5 | 0.3 | 0.2 | 0.3 | 69.3 | 63.0 | 72.7 |
| Liver & intrahepatic bile duct | 8.0 | 12.2 | 4.3 | 6.1 | 8.9 | 3.7 | 17.7 | 17.5 | 18.3 |
| Gallbladder | 1.1 | 0.8 | 1.4 | 0.6 | 0.4 | 0.7 | 18.2 | 19.2 | 17.8 |
| Other biliary | 1.8 | 2.3 | 1.5 | 0.4 | 0.5 | 0.4 | 17.8 | 19.6 | 15.6 |
| Pancreas | 13.0 | 14.8 | 11.4 | 10.9 | 12.6 | 9.4 | 9.2 | 9.5 | 9.0 |
| Retroperitoneum | 0.4 | 0.4 | 0.4 | 0.1 | 0.1 | 0.1 | 54.2 | 53.4 | 55.0 |
| Peritoneum, omentum & mesentery | 0.5 | 0.1 | 0.9 | 0.3 | 0.1 | 0.4 | 31.6 | 30.3 | 31.7 |
| Other digestive system | 0.7 | 0.8 | 0.6 | 0.3 | 0.4 | 0.3 | 7.8 | 7.0 | 8.8 |
| Respiratory System: | 60.7 | 70.0 | 53.6 | 43.9 | 53.8 | 36.2 | 22.5 | 20.9 | 24.3 |
| Nose, nasal cavity & middle ear | 0.7 | 0.9 | 0.5 | 0.1 | 0.2 | 0.1 | 59.1 | 60.5 | 56.9 |
| Larynx | 3.0 | 5.2 | 1.2 | 1.0 | 1.7 | 0.4 | 61.5 | 62.1 | 59.2 |
| Lung & bronchus | 56.7 | 63.5 | 51.8 | 42.7 | 51.7 | 35.6 | 19.5 | 16.2 | 23.0 |
| Pleura ^d | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 23.4 | 23.8 | 22.0 |
| Trachea & other respiratory organs | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.0 | 53.7 | 52.2 | 57.9 |
| Bones & joints | 1.0 | 1.2 | 0.9 | 0.5 | 0.6 | 0.4 | 66.0 | 63.7 | 69.2 |
| Soft tissue (including heart) | 3.5 | 4.3 | 2.9 | 1.3 | 1.6 | 1.1 | 65.5 | 64.9 | 66.3 |
| Skin (excl. basal & squamous): | 28.8 | 37.0 | 22.8 | 4.0 | 6.2 | 2.3 | 90.9 | 88.9 | 93.6 |
| Melanoma of the skin | 26.6 | 33.9 | 21.3 | 2.9 | 4.3 | 1.8 | 91.6 | 89.6 | 94.2 |
| Other non-epithelial skin | 2.1 | 3.0 | 1.5 | 1.1 | 1.9 | 0.5 | 81.6 | 79.4 | 84.8 |
| Breast | 69.2 | 1.2 | 130.5 | 11.1 | 0.3 | 20.1 | 90.8 | 85.9 | 90.8 |
| Breast (<i>in situ</i>) | 17.2 | 0.1 | 33.1 | - | - | - | 100.0 | 99.9 | 100.0 |

Note: Incidence and death rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

^b US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^c SEER 18 areas. Based on follow-up of patients into 2016. [Expected survival rates](#) are derived from life tables by socio-economic status, geography and race developed by the SEER program.

^d Mesotheliomas of the Pleura are included in the separate group Mesothelioma for incidence but are included in the Pleura grouping for mortality.

- Statistic could not be calculated due to less than 16 cases in the time interval.

Table 1.5 - continued
 Age-Adjusted SEER Incidence and U.S. Death Rates and 5-Year Relative Survival (Percent)
 By Primary Cancer Site, Sex and Time Period

| Site | Whites | | | | | | | | |
|---------------------------------------|---------------------------------------|-------|---------|--|-------|---------|--|-------|---------|
| | Incidence ^a (2012-2016) | | | US Mortality ^b (2012-2016) | | | Survival ^c (%) (2009-2015) | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| Female Genital System: | 27.4 | - | 52.2 | 8.1 | - | 15.0 | 70.8 | - | 70.8 |
| Cervix uteri | 3.6 | - | 7.2 | 1.1 | - | 2.2 | 67.2 | - | 67.2 |
| Corpus uteri | 14.4 | - | 27.4 | 1.1 | - | 2.0 | 84.8 | - | 84.8 |
| Uterus, NOS | 0.4 | - | 0.7 | 1.3 | - | 2.4 | 31.6 | - | 31.6 |
| Ovary ^d | 6.3 | - | 11.9 | 4.0 | - | 7.3 | 47.6 | - | 47.6 |
| Vagina | 0.4 | - | 0.7 | 0.1 | - | 0.2 | 46.5 | - | 46.5 |
| Vulva | 1.5 | - | 2.8 | 0.3 | - | 0.6 | 70.7 | - | 70.7 |
| Other female genital system | 0.8 | - | 1.6 | 0.2 | - | 0.3 | 50.6 | - | 50.6 |
| Male Genital System: | 51.1 | 110.0 | - | 7.6 | 18.5 | - | 97.8 | 97.8 | - |
| Prostate | 47.0 | 101.9 | - | 7.4 | 18.0 | - | 98.1 | 98.1 | - |
| Testis | 3.5 | 7.0 | - | 0.1 | 0.3 | - | 95.3 | 95.3 | - |
| Penis | 0.4 | 0.9 | - | 0.1 | 0.2 | - | 66.5 | 66.5 | - |
| Other male genital system | 0.1 | 0.3 | - | 0.0 | 0.0 | - | 83.4 | 83.4 | - |
| Urinary System: | 39.8 | 62.8 | 21.4 | 8.7 | 14.1 | 4.8 | 75.8 | 76.3 | 74.5 |
| Urinary bladder | 22.2 | 38.5 | 9.5 | 4.6 | 8.0 | 2.2 | 77.5 | 78.5 | 74.3 |
| Kidney & renal pelvis | 16.6 | 22.8 | 11.3 | 3.9 | 5.7 | 2.4 | 74.8 | 74.0 | 76.0 |
| Ureter | 0.6 | 0.8 | 0.4 | 0.1 | 0.2 | 0.1 | 47.6 | 48.6 | 46.3 |
| Other urinary system | 0.4 | 0.6 | 0.2 | 0.1 | 0.2 | 0.1 | 48.2 | 52.4 | 39.6 |
| Eye & Orbit | 1.0 | 1.2 | 0.9 | 0.1 | 0.1 | 0.1 | 82.5 | 82.2 | 82.8 |
| Brain & Nervous System: ^e | 7.0 | 8.3 | 6.0 | 4.8 | 5.8 | 3.9 | 31.7 | 30.4 | 33.4 |
| Brain | 6.6 | 7.8 | 5.6 | - | - | - | 28.6 | 27.8 | 29.6 |
| Cranial nerves & other nervous system | 0.4 | 0.5 | 0.4 | - | - | - | 80.7 | 77.1 | 84.3 |
| Endocrine System: | 17.3 | 9.4 | 25.2 | 0.8 | 0.8 | 0.7 | 96.9 | 93.1 | 98.2 |
| Thyroid | 16.5 | 8.6 | 24.5 | 0.5 | 0.5 | 0.5 | 98.4 | 96.1 | 99.0 |
| Other endocrine & thymus | 0.7 | 0.8 | 0.7 | 0.3 | 0.3 | 0.3 | 65.0 | 64.9 | 65.1 |
| Lymphoma: | 23.4 | 28.1 | 19.5 | 6.2 | 8.0 | 4.8 | 74.3 | 73.0 | 75.8 |
| Hodgkin lymphoma | 2.8 | 3.1 | 2.5 | 0.3 | 0.4 | 0.3 | 86.8 | 85.9 | 87.9 |
| Non-Hodgkin lymphoma | 20.6 | 25.0 | 17.0 | 5.9 | 7.6 | 4.5 | 72.4 | 71.1 | 74.0 |
| Myeloma | 6.3 | 8.1 | 4.9 | 3.1 | 4.0 | 2.4 | 51.3 | 51.3 | 51.3 |
| Leukemia: | 14.9 | 19.1 | 11.5 | 6.8 | 9.1 | 5.1 | 63.0 | 63.7 | 62.1 |
| Lymphocytic: | 7.7 | 10.1 | 5.6 | 1.9 | 2.6 | 1.3 | 80.7 | 80.8 | 80.5 |
| Acute lymphocytic | 1.9 | 2.1 | 1.6 | 0.5 | 0.6 | 0.4 | 68.5 | 67.7 | 69.6 |
| Chronic lymphocytic | 5.4 | 7.3 | 3.8 | 1.3 | 1.9 | 0.8 | 85.0 | 84.7 | 85.4 |
| Other lymphocytic | 0.5 | 0.7 | 0.2 | 0.1 | 0.2 | 0.1 | 83.2 | 86.4 | 72.5 |
| Myeloid & Monocytic: | 6.7 | 8.4 | 5.4 | 3.5 | 4.5 | 2.7 | 40.9 | 40.6 | 41.4 |
| Acute myeloid | 4.4 | 5.4 | 3.6 | 2.9 | 3.7 | 2.2 | 27.9 | 27.0 | 29.0 |
| Chronic myeloid | 1.9 | 2.5 | 1.5 | 0.3 | 0.4 | 0.2 | 68.1 | 67.1 | 69.5 |
| Acute monocytic | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 23.5 | 20.2 | 27.5 |
| Other myeloid & monocytic | 0.2 | 0.2 | 0.1 | 0.2 | 0.4 | 0.2 | 33.6 | 33.9 | 33.0 |
| Other leukemia: | 0.5 | 0.6 | 0.4 | 1.5 | 2.0 | 1.1 | 32.5 | 31.8 | 33.1 |
| Other acute leukemia | 0.2 | 0.3 | 0.2 | 0.5 | 0.6 | 0.4 | 24.9 | 25.2 | 24.3 |
| Aleukemic, subleukemic & NOS | 0.3 | 0.3 | 0.2 | 1.0 | 1.3 | 0.7 | 38.7 | 37.4 | 39.8 |
| Kaposi Sarcoma ^f | 0.4 | 0.8 | 0.1 | - | - | - | 77.5 | 76.2 | 83.4 |
| Mesothelioma ^f | 1.0 | 1.8 | 0.5 | - | - | - | 9.7 | 7.8 | 15.7 |
| Ill-defined & unspecified | 7.8 | 9.1 | 6.8 | 11.9 | 15.0 | 9.5 | 19.3 | 23.1 | 15.3 |

Note: Incidence and death rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

^b US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^c SEER 18 areas. Based on follow-up of patients into 2016. [Expected survival rates](#) are derived from life tables by socio-economic status, geography and race developed by the SEER program.

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

^e Due to coding changes, Brain & Nervous System mortality are no longer shown separately.

^f Rate not shown for mortality. Category did not exist in mortality coding until 1999.

- Statistic could not be calculated due to less than 16 cases in the time interval.