

Table A-1

NUMBER OF INCIDENCE CASES, 2001-2005By Primary Cancer Site, Race and Sex
17 SEER Geographic Areas

| Site | All Races | | | Whites | | | Blacks | | |
|--------------------------|------------|---------|---------|------------|---------|---------|------------|--------|---------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Oral Cavity & Pharynx | 38,053 | 25,852 | 12,201 | 31,415 | 21,482 | 9,933 | 3,575 | 2,474 | 1,101 |
| Esophagus | 16,293 | 12,344 | 3,949 | 13,661 | 10,448 | 3,213 | 1,787 | 1,273 | 514 |
| Stomach | 28,511 | 17,326 | 11,185 | 20,684 | 12,817 | 7,867 | 3,523 | 2,020 | 1,503 |
| Colon & Rectum | 180,196 | 91,442 | 88,754 | 148,263 | 75,602 | 72,661 | 17,926 | 8,579 | 9,347 |
| Colon | 129,847 | 62,933 | 66,914 | 106,987 | 52,079 | 54,908 | 13,576 | 6,306 | 7,270 |
| Rectum | 50,349 | 28,509 | 21,840 | 41,276 | 23,523 | 17,753 | 4,350 | 2,273 | 2,077 |
| Liver & IBD ^a | 23,246 | 16,237 | 7,009 | 15,986 | 11,135 | 4,851 | 2,579 | 1,870 | 709 |
| Pancreas | 40,780 | 19,986 | 20,794 | 33,580 | 16,628 | 16,952 | 4,357 | 1,968 | 2,389 |
| Larynx | 12,943 | 10,353 | 2,590 | 10,596 | 8,432 | 2,164 | 1,826 | 1,468 | 358 |
| Lung & Bronchus | 225,358 | 121,494 | 103,864 | 190,431 | 101,123 | 89,308 | 22,329 | 12,979 | 9,350 |
| Melanoma of the skin | 70,840 | 40,286 | 30,554 | 67,102 | 38,353 | 28,749 | 304 | 139 | 165 |
| Breast | 250,090 | 1,815 | 248,275 | 209,377 | 1,516 | 207,861 | 22,125 | 206 | 21,919 |
| Cervix uteri | 16,257 | - | 16,257 | 12,399 | - | 12,399 | 2,130 | - | 2,130 |
| Corpus & Uterus, NOS | 46,054 | - | 46,054 | 38,926 | - | 38,926 | 3,595 | - | 3,595 |
| Ovary ^b | 26,407 | - | 26,407 | 22,591 | - | 22,591 | 1,839 | - | 1,839 |
| Prostate | 255,212 | 255,212 | - | 204,256 | 204,256 | - | 30,834 | 30,834 | - |
| Testis | 10,369 | 10,369 | - | 9,555 | 9,555 | - | 284 | 284 | - |
| Urinary bladder | 74,680 | 55,697 | 18,983 | 67,602 | 50,756 | 16,846 | 3,575 | 2,307 | 1,268 |
| Kidney & Renal pelvis | 47,760 | 29,670 | 18,090 | 40,441 | 25,170 | 15,271 | 4,692 | 2,891 | 1,801 |
| Brain & ONS ^a | 23,765 | 13,106 | 10,659 | 20,919 | 11,610 | 9,309 | 1,464 | 755 | 709 |
| Thyroid | 33,924 | 8,172 | 25,752 | 28,210 | 7,010 | 21,200 | 2,023 | 411 | 1,612 |
| Hodgkin lymphoma | 10,373 | 5,627 | 4,746 | 8,750 | 4,754 | 3,996 | 1,030 | 535 | 495 |
| Non-Hodgkin lymphoma | 70,214 | 37,648 | 32,566 | 60,031 | 32,143 | 27,888 | 4,980 | 2,736 | 2,244 |
| Myeloma | 20,008 | 10,829 | 9,179 | 15,331 | 8,455 | 6,876 | 3,399 | 1,726 | 1,673 |
| Leukemia | 44,469 | 25,489 | 18,980 | 37,960 | 21,863 | 16,097 | 3,228 | 1,770 | 1,458 |
| Acute lymphocytic | 6,020 | 3,427 | 2,593 | 5,036 | 2,893 | 2,143 | 400 | 212 | 188 |
| Chronic lymphocytic | 14,320 | 8,536 | 5,784 | 12,653 | 7,560 | 5,093 | 861 | 506 | 355 |
| Acute myeloid | 12,884 | 7,063 | 5,821 | 10,845 | 5,986 | 4,859 | 995 | 517 | 478 |
| Chronic myeloid | 5,400 | 3,105 | 2,295 | 4,460 | 2,555 | 1,905 | 478 | 275 | 203 |
| All others | 5,845 | 3,358 | 2,487 | 4,966 | 2,869 | 2,097 | 494 | 260 | 234 |
| Kaposi Sarcoma | 2,477 | 2,250 | 227 | 1,740 | 1,566 | 174 | 538 | 501 | 37 |
| Mesothelioma | 3,840 | 2,987 | 853 | 3,539 | 2,761 | 778 | 174 | 134 | 40 |
| All Sites | 1,679,468 | 864,569 | 814,899 | 1,403,083 | 719,567 | 683,516 | 154,039 | 82,386 | 71,653 |

Source: SEER 17 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 and New Jersey).

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^b Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

- Count not shown due to fewer than 16 cases during the time period.

Table A-1

NUMBER OF INCIDENCE CASES, 2001-2005

By Primary Cancer Site, Race and Sex
17 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 | 2,474 | 1,536 | 938 | 151 | 98 | 53 | 2,601 | 1,798 | 803 |
| Esophagus | 694 | 510 | 184 | 74 | 56 | 18 | 1,076 | 855 | 221 |
| Stomach | 3,948 | 2,269 | 1,679 | 199 | 125 | 74 | 4,486 | 2,516 | 1,970 |
| Colon & Rectum | 11,917 | 6,167 | 5,750 | 780 | 379 | 401 | 14,401 | 7,753 | 6,648 |
| Colon | 7,932 | 3,877 | 4,055 | 546 | 241 | 305 | 9,721 | 4,966 | 4,755 |
| Rectum | 3,985 | 2,290 | 1,695 | 234 | 138 | 96 | 4,680 | 2,787 | 1,893 |
| Liver & IBD ^c | 4,324 | 2,987 | 1,337 | 192 | 131 | 61 | 3,923 | 2,775 | 1,148 |
| Pancreas | 2,529 | 1,233 | 1,296 | 157 | 82 | 75 | 3,657 | 1,696 | 1,961 |
| Larynx | 399 | 350 | 49 | 34 | 25 | - | 966 | 835 | 131 |
| Lung & Bronchus | 11,117 | 6,602 | 4,515 | 772 | 403 | 369 | 11,319 | 6,391 | 4,928 |
| Melanoma of the skin | 455 | 217 | 238 | 64 | 35 | 29 | 2,204 | 908 | 1,296 |
| Breast | 15,996 | 73 | 15,923 | 848 | - | 845 | 21,661 | 99 | 21,562 |
| Cervix uteri | 1,441 | - | 1,441 | 85 | - | 85 | 3,751 | - | 3,751 |
| Corpus & Uterus, NOS | 2,955 | - | 2,955 | 173 | - | 173 | 4,172 | - | 4,172 |
| Ovary ^d | 1,723 | - | 1,723 | 118 | - | 118 | 2,763 | - | 2,763 |
| Prostate | 11,521 | 11,521 | - | 555 | 555 | - | 20,966 | 20,966 | - |
| Testis | 323 | 323 | - | 67 | 67 | - | 1,846 | 1,846 | - |
| Urinary bladder | 2,561 | 1,922 | 639 | 121 | 92 | 29 | 3,930 | 2,879 | 1,051 |
| Kidney & Renal pelvis | 1,995 | 1,232 | 763 | 308 | 175 | 133 | 5,332 | 3,212 | 2,120 |
| Brain & ONS ^c | 1,141 | 601 | 540 | 82 | 43 | 39 | 3,018 | 1,659 | 1,359 |
| Thyroid | 3,137 | 636 | 2,501 | 148 | 30 | 118 | 4,669 | 870 | 3,799 |
| Hodgkin lymphoma | 441 | 239 | 202 | 28 | 19 | - | 1,482 | 854 | 628 |
| Non-Hodgkin lymphoma | 3,967 | 2,119 | 1,848 | 213 | 117 | 96 | 7,001 | 3,813 | 3,188 |
| Myeloma | 951 | 480 | 471 | 90 | 41 | 49 | 2,062 | 1,080 | 982 |
| Leukemia | 2,270 | 1,277 | 993 | 172 | 88 | 84 | 5,205 | 2,936 | 2,269 |
| Acute lymphocytic | 487 | 270 | 217 | 51 | 31 | 20 | 1,969 | 1,121 | 848 |
| Chronic lymphocytic | 244 | 147 | 97 | 31 | 17 | - | 655 | 383 | 272 |
| Acute myeloid | 934 | 504 | 430 | 46 | 19 | 27 | 1,470 | 794 | 676 |
| Chronic myeloid | 313 | 185 | 128 | 26 | - | - | 588 | 343 | 245 |
| All others | 292 | 171 | 121 | 18 | - | - | 523 | 295 | 228 |
| Kaposi Sarcoma | 73 | 67 | - | - | - | - | 572 | 530 | 42 |
| Mesothelioma | 99 | 75 | 24 | - | - | - | 370 | 268 | 102 |
| All Sites | 94,485 | 45,329 | 49,156 | 5,920 | 2,801 | 3,119 | 144,929 | 71,775 | 73,154 |

Source: SEER 17 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 and New Jersey).

- Count not shown due to fewer than 16 cases during the time period.

^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.

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

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

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

Table A-2

STANDARD ERRORS OF INCIDENCE RATES, 2001-2005By Primary Cancer Site, Race and Sex
17 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 | 0.10 | 0.06 | 0.06 | 0.11 | 0.06 | 0.19 | 0.36 | 0.18 |
| Esophagus | 0.04 | 0.07 | 0.03 | 0.04 | 0.08 | 0.03 | 0.14 | 0.29 | 0.13 |
| Stomach | 0.05 | 0.09 | 0.05 | 0.05 | 0.09 | 0.05 | 0.21 | 0.41 | 0.23 |
| Colon & Rectum | 0.12 | 0.20 | 0.15 | 0.13 | 0.22 | 0.16 | 0.47 | 0.81 | 0.57 |
| Colon | 0.10 | 0.17 | 0.13 | 0.11 | 0.18 | 0.14 | 0.41 | 0.72 | 0.51 |
| Rectum | 0.06 | 0.11 | 0.07 | 0.07 | 0.12 | 0.08 | 0.22 | 0.39 | 0.26 |
| Liver & IBD ^a | 0.04 | 0.08 | 0.04 | 0.04 | 0.08 | 0.04 | 0.16 | 0.32 | 0.15 |
| Pancreas | 0.06 | 0.09 | 0.07 | 0.06 | 0.10 | 0.08 | 0.24 | 0.38 | 0.30 |
| Larynx | 0.03 | 0.06 | 0.03 | 0.03 | 0.07 | 0.03 | 0.14 | 0.30 | 0.11 |
| Lung & Bronchus | 0.13 | 0.23 | 0.16 | 0.15 | 0.25 | 0.18 | 0.52 | 0.99 | 0.57 |
| Melanoma of the skin | 0.07 | 0.12 | 0.09 | 0.09 | 0.15 | 0.11 | 0.06 | 0.10 | 0.07 |
| Breast | 0.14 | 0.03 | 0.25 | 0.15 | 0.03 | 0.29 | 0.47 | 0.12 | 0.80 |
| Cervix uteri | 0.03 | - | 0.07 | 0.04 | - | 0.07 | 0.13 | - | 0.24 |
| Corpus & Uterus, NOS | 0.06 | - | 0.11 | 0.07 | - | 0.12 | 0.20 | - | 0.34 |
| Ovary ^b | 0.04 | - | 0.08 | 0.05 | - | 0.09 | 0.14 | - | 0.24 |
| Prostate | 0.14 | 0.33 | - | 0.15 | 0.35 | - | 0.60 | 1.48 | - |
| Testis | 0.03 | 0.05 | - | 0.03 | 0.06 | - | 0.04 | 0.08 | - |
| Urinary bladder | 0.08 | 0.16 | 0.07 | 0.09 | 0.18 | 0.08 | 0.22 | 0.45 | 0.22 |
| Kidney & Renal pelvis | 0.06 | 0.11 | 0.07 | 0.07 | 0.12 | 0.08 | 0.22 | 0.42 | 0.24 |
| Brain & ONS ^a | 0.04 | 0.07 | 0.05 | 0.05 | 0.08 | 0.06 | 0.11 | 0.19 | 0.14 |
| Thyroid | 0.05 | 0.05 | 0.08 | 0.06 | 0.06 | 0.10 | 0.13 | 0.14 | 0.20 |
| Hodgkin lymphoma | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.04 | 0.08 | 0.13 | 0.10 |
| Non-Hodgkin lymphoma | 0.07 | 0.12 | 0.09 | 0.08 | 0.14 | 0.10 | 0.22 | 0.38 | 0.26 |
| Myeloma | 0.04 | 0.07 | 0.05 | 0.04 | 0.07 | 0.05 | 0.20 | 0.37 | 0.24 |
| Leukemia | 0.06 | 0.10 | 0.07 | 0.07 | 0.11 | 0.08 | 0.18 | 0.34 | 0.21 |
| Acute lymphocytic | 0.02 | 0.03 | 0.03 | 0.02 | 0.04 | 0.03 | 0.05 | 0.07 | 0.06 |
| Chronic lymphocytic | 0.03 | 0.06 | 0.04 | 0.04 | 0.07 | 0.04 | 0.11 | 0.20 | 0.12 |
| Acute myeloid | 0.03 | 0.05 | 0.04 | 0.04 | 0.06 | 0.04 | 0.10 | 0.18 | 0.12 |
| Chronic myeloid | 0.02 | 0.04 | 0.02 | 0.02 | 0.04 | 0.03 | 0.07 | 0.13 | 0.08 |
| All others | 0.02 | 0.04 | 0.02 | 0.02 | 0.04 | 0.03 | 0.07 | 0.13 | 0.09 |
| Kaposi Sarcoma | 0.01 | 0.03 | 0.01 | 0.01 | 0.03 | 0.01 | 0.06 | 0.12 | 0.03 |
| Mesothelioma | 0.02 | 0.04 | 0.01 | 0.02 | 0.04 | 0.02 | 0.05 | 0.11 | 0.04 |
| All Sites | 0.36 | 0.60 | 0.46 | 0.40 | 0.66 | 0.52 | 1.31 | 2.40 | 1.51 |

Source: SEER 17 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 and New Jersey).

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^b Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

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17 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 | 0.16 | 0.28 | 0.18 | 0.60 | 1.02 | 0.69 | 0.13 | 0.25 | 0.13 |
| Esophagus | 0.09 | 0.18 | 0.09 | 0.53 | 1.01 | 0.50 | 0.10 | 0.20 | 0.08 |
| Stomach | 0.23 | 0.40 | 0.26 | 0.87 | 1.63 | 0.93 | 0.19 | 0.34 | 0.22 |
| Colon & Rectum | 0.38 | 0.63 | 0.47 | 1.64 | 2.54 | 2.14 | 0.34 | 0.59 | 0.42 |
| Colon | 0.32 | 0.51 | 0.40 | 1.41 | 2.10 | 1.89 | 0.29 | 0.48 | 0.36 |
| Rectum | 0.21 | 0.36 | 0.25 | 0.84 | 1.42 | 0.99 | 0.19 | 0.33 | 0.21 |
| Liver & IBD ^c | 0.22 | 0.41 | 0.23 | 0.76 | 1.37 | 0.83 | 0.17 | 0.31 | 0.18 |
| Pancreas | 0.18 | 0.29 | 0.23 | 0.78 | 1.29 | 0.98 | 0.18 | 0.28 | 0.24 |
| Larynx | 0.07 | 0.15 | 0.04 | 0.31 | 0.57 | - | 0.09 | 0.19 | 0.06 |
| Lung & Bronchus | 0.38 | 0.68 | 0.42 | 1.72 | 2.87 | 2.13 | 0.32 | 0.59 | 0.37 |
| Melanoma of the skin | 0.07 | 0.11 | 0.09 | 0.42 | 0.73 | 0.50 | 0.11 | 0.18 | 0.14 |
| Breast | 0.39 | 0.06 | 0.72 | 1.46 | - | 2.67 | 0.35 | 0.07 | 0.64 |
| Cervix uteri | 0.11 | - | 0.21 | 0.42 | - | 0.78 | 0.12 | - | 0.23 |
| Corpus & Uterus, NOS | 0.17 | - | 0.31 | 0.65 | - | 1.20 | 0.16 | - | 0.29 |
| Ovary ^d | 0.13 | - | 0.24 | 0.61 | - | 1.09 | 0.13 | - | 0.23 |
| Prostate | 0.38 | 0.89 | - | 1.43 | 3.31 | - | 0.43 | 1.00 | - |
| Testis | 0.05 | 0.10 | - | 0.27 | 0.54 | - | 0.05 | 0.09 | - |
| Urinary bladder | 0.19 | 0.38 | 0.16 | 0.68 | 1.39 | 0.59 | 0.19 | 0.41 | 0.17 |
| Kidney & Renal pelvis | 0.15 | 0.27 | 0.17 | 0.95 | 1.58 | 1.15 | 0.19 | 0.34 | 0.22 |
| Brain & ONS ^c | 0.10 | 0.17 | 0.13 | 0.39 | 0.68 | 0.47 | 0.11 | 0.18 | 0.14 |
| Thyroid | 0.16 | 0.17 | 0.27 | 0.51 | 0.58 | 0.83 | 0.13 | 0.14 | 0.21 |
| Hodgkin lymphoma | 0.06 | 0.09 | 0.08 | 0.21 | 0.35 | - | 0.07 | 0.12 | 0.08 |
| Non-Hodgkin lymphoma | 0.21 | 0.36 | 0.26 | 0.80 | 1.35 | 0.99 | 0.22 | 0.36 | 0.27 |
| Myeloma | 0.11 | 0.18 | 0.13 | 0.54 | 0.78 | 0.75 | 0.13 | 0.22 | 0.16 |
| Leukemia | 0.16 | 0.26 | 0.19 | 0.63 | 0.94 | 0.81 | 0.15 | 0.27 | 0.19 |
| Acute lymphocytic | 0.07 | 0.10 | 0.09 | 0.22 | 0.37 | 0.27 | 0.06 | 0.08 | 0.08 |
| Chronic lymphocytic | 0.06 | 0.10 | 0.06 | 0.32 | 0.49 | - | 0.08 | 0.15 | 0.09 |
| Acute myeloid | 0.10 | 0.17 | 0.12 | 0.35 | 0.49 | 0.49 | 0.09 | 0.15 | 0.11 |
| Chronic myeloid | 0.06 | 0.10 | 0.07 | 0.25 | - | - | 0.06 | 0.10 | 0.07 |
| All others | 0.06 | 0.10 | 0.07 | 0.24 | - | - | 0.06 | 0.10 | 0.07 |
| Kaposi Sarcoma | 0.03 | 0.05 | - | - | - | - | 0.05 | 0.10 | 0.04 |
| Mesothelioma | 0.03 | 0.07 | 0.03 | - | - | - | 0.06 | 0.12 | 0.05 |
| All Sites | 1.04 | 1.71 | 1.31 | 4.30 | 6.90 | 5.53 | 1.01 | 1.73 | 1.23 |

Source: SEER 17 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 and New Jersey).

⁻ Statistic could not be calculated due to fewer than 16 cases during the time period.^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 and Kentucky.^c IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^d Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

Table A-3

NUMBER OF DEATHS, 2001-2005

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 | 38,814 | 26,221 | 12,593 | 32,061 | 21,237 | 10,824 | 5,444 | 4,099 | 1,345 |
| Esophagus | 64,611 | 50,008 | 14,603 | 55,625 | 43,526 | 12,099 | 7,863 | 5,632 | 2,231 |
| Stomach | 60,000 | 35,089 | 24,911 | 45,880 | 26,977 | 18,903 | 10,246 | 5,920 | 4,326 |
| Colon & Rectum | 275,779 | 138,352 | 137,427 | 235,122 | 118,498 | 116,624 | 34,146 | 16,442 | 17,704 |
| Colon | 232,840 | 114,412 | 118,428 | 198,005 | 97,764 | 100,241 | 29,566 | 13,951 | 15,615 |
| Rectum | 42,939 | 23,940 | 18,999 | 37,117 | 20,734 | 16,383 | 4,580 | 2,491 | 2,089 |
| Liver & IBD ^a | 73,500 | 47,356 | 26,144 | 58,453 | 37,349 | 21,104 | 9,412 | 6,279 | 3,133 |
| Pancreas | 155,372 | 76,325 | 79,047 | 133,536 | 66,162 | 67,374 | 17,960 | 8,307 | 9,653 |
| Larynx | 18,774 | 14,876 | 3,898 | 15,156 | 11,935 | 3,221 | 3,363 | 2,731 | 632 |
| Lung & Bronchus | 788,812 | 450,104 | 338,708 | 692,181 | 391,226 | 300,955 | 81,692 | 50,038 | 31,654 |
| Melanoma of the skin | 39,170 | 24,859 | 14,311 | 38,350 | 24,465 | 13,885 | 570 | 253 | 317 |
| Breast | 208,497 | 1,900 | 206,597 | 175,583 | 1,581 | 174,002 | 28,408 | 292 | 28,116 |
| Cervix uteri | 19,737 | - | 19,737 | 14,937 | - | 14,937 | 3,982 | - | 3,982 |
| Corpus & Uterus, NOS | 34,621 | - | 34,621 | 28,269 | - | 28,269 | 5,566 | - | 5,566 |
| Ovary | 73,256 | - | 73,256 | 65,601 | - | 65,601 | 5,985 | - | 5,985 |
| Prostate | 148,626 | 148,626 | - | 121,539 | 121,539 | - | 24,942 | 24,942 | - |
| Testis | 1,788 | 1,788 | - | 1,606 | 1,606 | - | 131 | 131 | - |
| Urinary bladder | 63,618 | 43,607 | 20,011 | 58,157 | 40,582 | 17,575 | 4,605 | 2,454 | 2,151 |
| Kidney & Renal pelvis | 61,359 | 38,201 | 23,158 | 54,585 | 34,065 | 20,520 | 5,544 | 3,363 | 2,181 |
| Brain & ONS ^a | 64,321 | 35,653 | 28,668 | 59,153 | 32,818 | 26,335 | 3,891 | 2,087 | 1,804 |
| Thyroid | 6,904 | 2,864 | 4,040 | 6,029 | 2,591 | 3,438 | 600 | 185 | 415 |
| Hodgkin lymphoma | 6,570 | 3,615 | 2,955 | 5,768 | 3,166 | 2,602 | 667 | 379 | 288 |
| Non-Hodgkin lymphoma | 107,501 | 56,834 | 50,667 | 97,935 | 51,787 | 46,148 | 7,147 | 3,757 | 3,390 |
| Myeloma | 53,772 | 27,914 | 25,858 | 43,879 | 23,191 | 20,688 | 8,893 | 4,226 | 4,667 |
| Leukemia | 107,909 | 60,380 | 47,529 | 96,681 | 54,388 | 42,293 | 8,949 | 4,706 | 4,243 |
| Acute lymphocytic | 7,125 | 4,032 | 3,093 | 6,199 | 3,504 | 2,695 | 625 | 361 | 264 |
| Chronic lymphocytic | 22,038 | 12,851 | 9,187 | 20,113 | 11,741 | 8,372 | 1,774 | 1,014 | 760 |
| Acute myeloid | 40,270 | 22,277 | 17,993 | 36,199 | 20,194 | 16,005 | 3,061 | 1,528 | 1,533 |
| Chronic myeloid | 6,480 | 3,552 | 2,928 | 5,551 | 3,024 | 2,527 | 755 | 421 | 334 |
| All others | 31,996 | 17,668 | 14,328 | 28,619 | 15,925 | 12,694 | 2,734 | 1,382 | 1,352 |
| All Sites | 2,781,097 | 1,441,054 | 1,340,043 | 2,403,924 | 1,244,972 | 1,158,952 | 313,098 | 162,908 | 150,190 |

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

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

- Count not shown due to fewer than 16 cases during the time period.

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NUMBER OF DEATHS, 2001-2005

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 | 1,116 | 746 | 370 | 128 | 91 | 37 | 1,555 | 1,141 | 414 |
| Esophagus | 848 | 640 | 208 | 199 | 155 | 44 | 2,149 | 1,702 | 447 |
| Stomach | 3,457 | 1,948 | 1,509 | 346 | 202 | 144 | 6,244 | 3,566 | 2,678 |
| Colon & Rectum | 5,408 | 2,811 | 2,597 | 814 | 431 | 383 | 12,006 | 6,497 | 5,509 |
| Colon | 4,393 | 2,241 | 2,152 | 652 | 333 | 319 | 10,047 | 5,298 | 4,749 |
| Rectum | 1,015 | 570 | 445 | 162 | 98 | 64 | 1,959 | 1,199 | 760 |
| Liver & IBD ^c | 5,065 | 3,376 | 1,689 | 419 | 245 | 174 | 7,482 | 4,905 | 2,577 |
| Pancreas | 3,300 | 1,573 | 1,727 | 382 | 190 | 192 | 7,483 | 3,704 | 3,779 |
| Larynx | 168 | 143 | 25 | 58 | 47 | - | 860 | 768 | 92 |
| Lung & Bronchus | 11,931 | 7,208 | 4,723 | 1,988 | 1,070 | 918 | 20,637 | 13,297 | 7,340 |
| Melanoma of the skin | 178 | 96 | 82 | 58 | 38 | 20 | 753 | 429 | 324 |
| Breast | 3,747 | 24 | 3,723 | 506 | - | 505 | 9,233 | 58 | 9,175 |
| Cervix uteri | 656 | - | 656 | 122 | - | 122 | 2,065 | - | 2,065 |
| Corpus & Uterus, NOS | 675 | - | 675 | 86 | - | 86 | 1,688 | - | 1,688 |
| Ovary | 1,378 | - | 1,378 | 218 | - | 218 | 3,287 | - | 3,287 |
| Prostate | 1,656 | 1,656 | - | 332 | 332 | - | 6,178 | 6,178 | - |
| Testis | 39 | 39 | - | - | - | - | 247 | 247 | - |
| Urinary bladder | 719 | 489 | 230 | 84 | 52 | 32 | 1,941 | 1,306 | 635 |
| Kidney & Renal pelvis | 788 | 491 | 297 | 336 | 209 | 127 | 3,531 | 2,260 | 1,271 |
| Brain & ONS ^c | 1,070 | 621 | 449 | 130 | 85 | 45 | 3,366 | 1,852 | 1,514 |
| Thyroid | 248 | 78 | 170 | 21 | - | - | 534 | 221 | 313 |
| Hodgkin lymphoma | 115 | 60 | 55 | - | - | - | 506 | 303 | 203 |
| Non-Hodgkin lymphoma | 2,054 | 1,101 | 953 | 272 | 138 | 134 | 5,298 | 2,886 | 2,412 |
| Myeloma | 742 | 370 | 372 | 195 | 96 | 99 | 2,708 | 1,404 | 1,304 |
| Leukemia | 1,901 | 1,081 | 820 | 270 | 148 | 122 | 5,780 | 3,304 | 2,476 |
| Acute lymphocytic | 229 | 121 | 108 | 52 | 34 | 18 | 1,288 | 747 | 541 |
| Chronic lymphocytic | 107 | 72 | 35 | 27 | 16 | - | 422 | 251 | 171 |
| Acute myeloid | 875 | 488 | 387 | 98 | 45 | 53 | 2,043 | 1,140 | 903 |
| Chronic myeloid | 145 | 87 | 58 | 21 | - | - | 410 | 243 | 167 |
| All others | 545 | 313 | 232 | 72 | 38 | 34 | 1,617 | 923 | 694 |
| All Sites | 52,734 | 27,360 | 25,374 | 8,001 | 4,043 | 3,958 | 119,967 | 63,464 | 56,503 |

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

- Count not shown due to fewer than 16 cases during the time period.

^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.

Mortality data for Hispanics are based on NHIA and exclude cases from Minnesota, New Hampshire and North Dakota.

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

Table A-4

STANDARD ERRORS OF DEATH RATES, 2001-2005By 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 | 0.03 | 0.01 | 0.01 | 0.03 | 0.01 | 0.05 | 0.11 | 0.04 |
| Esophagus | 0.02 | 0.04 | 0.01 | 0.02 | 0.04 | 0.02 | 0.07 | 0.14 | 0.06 |
| Stomach | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.08 | 0.16 | 0.08 |
| Colon & Rectum | 0.04 | 0.06 | 0.04 | 0.04 | 0.06 | 0.05 | 0.14 | 0.26 | 0.17 |
| Colon | 0.03 | 0.06 | 0.04 | 0.03 | 0.06 | 0.04 | 0.13 | 0.24 | 0.16 |
| Rectum | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.05 | 0.10 | 0.06 |
| Liver & IBD ^a | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.07 | 0.14 | 0.07 |
| Pancreas | 0.03 | 0.04 | 0.03 | 0.03 | 0.05 | 0.04 | 0.10 | 0.18 | 0.13 |
| Larynx | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.04 | 0.10 | 0.03 |
| Lung & Bronchus | 0.06 | 0.11 | 0.07 | 0.07 | 0.11 | 0.08 | 0.22 | 0.43 | 0.23 |
| Melanoma of the skin | 0.01 | 0.03 | 0.01 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 |
| Breast | 0.03 | 0.01 | 0.06 | 0.03 | 0.01 | 0.06 | 0.12 | 0.03 | 0.20 |
| Cervix uteri | 0.01 | - | 0.02 | 0.01 | - | 0.02 | 0.04 | - | 0.07 |
| Corpus & Uterus, NOS | 0.01 | - | 0.02 | 0.01 | - | 0.02 | 0.06 | - | 0.10 |
| Ovary | 0.02 | - | 0.03 | 0.02 | - | 0.04 | 0.06 | - | 0.10 |
| Prostate | 0.03 | 0.07 | - | 0.03 | 0.07 | - | 0.13 | 0.39 | - |
| Testis | 0.00 | 0.01 | - | 0.00 | 0.01 | - | 0.01 | 0.02 | - |
| Urinary bladder | 0.02 | 0.04 | 0.02 | 0.02 | 0.04 | 0.02 | 0.06 | 0.11 | 0.06 |
| Kidney & Renal pelvis | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.06 | 0.11 | 0.06 |
| 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 | 0.03 |
| Hodgkin lymphoma | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 |
| Non-Hodgkin lymphoma | 0.02 | 0.04 | 0.03 | 0.02 | 0.04 | 0.03 | 0.06 | 0.11 | 0.07 |
| Myeloma | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.07 | 0.13 | 0.09 |
| Leukemia | 0.02 | 0.04 | 0.03 | 0.02 | 0.04 | 0.03 | 0.07 | 0.13 | 0.08 |
| Acute lymphocytic | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.03 | 0.02 |
| Chronic lymphocytic | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.07 | 0.04 |
| Acute myeloid | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.04 | 0.07 | 0.05 |
| Chronic myeloid | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.04 | 0.02 |
| All others | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.02 | 0.04 | 0.08 | 0.05 |
| All Sites | 0.11 | 0.20 | 0.14 | 0.12 | 0.21 | 0.15 | 0.43 | 0.82 | 0.49 |

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, 2001-2005By 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 | 0.07 | 0.13 | 0.07 | 0.22 | 0.43 | 0.23 | 0.04 | 0.08 | 0.04 |
| Esophagus | 0.06 | 0.13 | 0.06 | 0.29 | 0.61 | 0.25 | 0.05 | 0.11 | 0.04 |
| Stomach | 0.13 | 0.24 | 0.15 | 0.40 | 0.76 | 0.44 | 0.09 | 0.16 | 0.10 |
| Colon & Rectum | 0.17 | 0.29 | 0.21 | 0.62 | 1.07 | 0.75 | 0.13 | 0.22 | 0.15 |
| Colon | 0.15 | 0.26 | 0.19 | 0.56 | 0.96 | 0.69 | 0.12 | 0.20 | 0.14 |
| Rectum | 0.07 | 0.12 | 0.08 | 0.26 | 0.47 | 0.29 | 0.05 | 0.09 | 0.05 |
| Liver & IBD ^c | 0.15 | 0.28 | 0.16 | 0.43 | 0.73 | 0.51 | 0.09 | 0.17 | 0.10 |
| Pancreas | 0.13 | 0.21 | 0.17 | 0.41 | 0.68 | 0.53 | 0.10 | 0.16 | 0.13 |
| Larynx | 0.03 | 0.07 | 0.02 | 0.16 | 0.34 | - | 0.03 | 0.07 | 0.02 |
| Lung & Bronchus | 0.25 | 0.46 | 0.27 | 0.95 | 1.64 | 1.14 | 0.17 | 0.32 | 0.17 |
| Melanoma of the skin | 0.03 | 0.05 | 0.03 | 0.15 | 0.27 | 0.17 | 0.03 | 0.05 | 0.03 |
| Breast | 0.12 | 0.03 | 0.21 | 0.45 | - | 0.79 | 0.10 | 0.02 | 0.17 |
| Cervix uteri | 0.05 | - | 0.09 | 0.19 | - | 0.34 | 0.04 | - | 0.07 |
| Corpus & Uterus, NOS | 0.05 | - | 0.09 | 0.20 | - | 0.34 | 0.05 | - | 0.08 |
| Ovary | 0.08 | - | 0.14 | 0.30 | - | 0.52 | 0.06 | - | 0.11 |
| Prostate | 0.11 | 0.28 | - | 0.46 | 1.21 | - | 0.10 | 0.27 | - |
| Testis | 0.01 | 0.02 | - | - | - | - | 0.01 | 0.02 | - |
| Urinary bladder | 0.07 | 0.14 | 0.07 | 0.21 | 0.44 | 0.21 | 0.06 | 0.12 | 0.05 |
| Kidney & Renal pelvis | 0.06 | 0.11 | 0.07 | 0.37 | 0.69 | 0.40 | 0.06 | 0.12 | 0.07 |
| Brain & ONS ^c | 0.06 | 0.11 | 0.07 | 0.19 | 0.34 | 0.22 | 0.05 | 0.09 | 0.07 |
| Thyroid | 0.04 | 0.05 | 0.05 | 0.10 | - | - | 0.03 | 0.04 | 0.03 |
| Hodgkin lymphoma | 0.02 | 0.04 | 0.03 | - | - | - | 0.02 | 0.04 | 0.02 |
| Non-Hodgkin lymphoma | 0.10 | 0.18 | 0.13 | 0.34 | 0.54 | 0.43 | 0.08 | 0.14 | 0.10 |
| Myeloma | 0.06 | 0.10 | 0.08 | 0.29 | 0.50 | 0.37 | 0.06 | 0.10 | 0.07 |
| Leukemia | 0.09 | 0.16 | 0.11 | 0.32 | 0.53 | 0.39 | 0.07 | 0.13 | 0.09 |
| Acute lymphocytic | 0.03 | 0.04 | 0.03 | 0.10 | 0.16 | 0.12 | 0.02 | 0.03 | 0.03 |
| Chronic lymphocytic | 0.03 | 0.05 | 0.03 | 0.13 | 0.23 | - | 0.03 | 0.05 | 0.03 |
| Acute myeloid | 0.06 | 0.11 | 0.07 | 0.20 | 0.30 | 0.25 | 0.04 | 0.08 | 0.05 |
| Chronic myeloid | 0.02 | 0.04 | 0.03 | 0.09 | - | - | 0.02 | 0.03 | 0.02 |
| All others | 0.05 | 0.10 | 0.06 | 0.17 | 0.29 | 0.21 | 0.04 | 0.08 | 0.05 |
| All Sites | 0.51 | 0.89 | 0.62 | 1.89 | 3.24 | 2.32 | 0.39 | 0.69 | 0.46 |

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

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

^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.

Mortality data for Hispanics are based on NHIA and exclude cases from Minnesota, New Hampshire and North Dakota.

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

Table A-5

SEER Site Recode ICD-O-3 (1/27/2003) Definition

| Site Group | ICD-O-3 Site | ICD-O-3 Histology (Type) | Recode |
|--|---|---|--------|
| Oral Cavity and Pharynx | | | |
| Lip | C000-C009 | | 20010 |
| Tongue | C019-C029 | | 20020 |
| Salivary Gland | C079-C089 | | 20030 |
| Floor of Mouth | C040-C049 | | 20040 |
| Gum and Other Mouth | C030-C039, C050-C059, C060-C069 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 20050 |
| Nasopharynx | C110-C119 | | 20060 |
| Tonsil | C090-C099 | | 20070 |
| Oropharynx | C100-C109 | | 20080 |
| Hypopharynx | C129, C130-C139 | | 20090 |
| Other Oral Cavity and Pharynx | C140, C142-C148 | | 20100 |
| Digestive System | | | |
| Esophagus | C150-C159 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 21010 |
| Stomach | C160-C169 | | 21020 |
| Small Intestine | C170-C179 | | 21030 |
| Colon and Rectum | | | |
| Colon excluding Rectum | | | |
| Cecum | C180 | | 21041 |
| Appendix | C181 | | 21042 |
| Ascending Colon | C182 | | 21043 |
| Hepatic Flexure | C183 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 21044 |
| Transverse Colon | C184 | | 21045 |
| Splenic Flexure | C185 | | 21046 |
| Descending Colon | C186 | | 21047 |
| Sigmoid Colon | C187 | | 21048 |
| Large Intestine, NOS | C188-C189, C260 | | 21049 |
| Rectum and Rectosigmoid Junction | | | |
| Rectosigmoid Junction | C199 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 21051 |
| Rectum | C209 | | 21052 |
| Anus, Anal Canal and Anorectum | C210-C212, C218 | | 21060 |
| Liver and Intrahepatic Bile Duct | | | |
| Liver | C220 | | 21071 |
| Intrahepatic Bile Duct | C221 | | 21072 |
| Gallbladder | C239 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 21080 |
| Other Biliary | C240-C249 | | 21090 |
| Pancreas | C250-C259 | | 21100 |
| Retroperitoneum | C480 | | 21110 |
| Peritoneum, Omentum and Mesentery | C481-C482 | | 21120 |
| Other Digestive Organs | C268-C269, C488 | | 21130 |
| Respiratory System | | | |
| Nose, Nasal Cavity and Middle Ear | C300-C301, C310-C319 | | 22010 |
| Larynx | C320-C329 | | 22020 |
| Lung and Bronchus | C340-C349 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 22030 |
| Pleura | C384 | | 22050 |
| Trachea, Mediastinum and Other Respiratory Organs | C339, C381-C383, C388 C390, C398, C399 | | 22060 |
| Bones and Joints | C400-C419 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 23000 |
| Soft Tissue including Heart | C380, C470-C479, C490-C499 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 24000 |
| Skin excluding Basal and Squamous | | | |
| Melanoma of the Skin | C440-C449 | 8720-8790 | 25010 |
| Other Non-Epithelial Skin | C440-C449 | excluding 8000-8005, 8010-8045, 8050-8084, 8090-8110, 8720-8790, 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 25020 |
| Breast | C500-C509 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 26000 |
| Female Genital System | | | |
| Cervix Uteri | C530-C539 | | 27010 |
| Corpus and Uterus, NOS | | | |
| Corpus Uteri | C540-C549 | | 27020 |
| Uterus, NOS | C559 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 27030 |
| Ovary | C569 | | 27040 |
| Vagina | C529 | | 27050 |
| Vulva | C510-C519 | | 27060 |
| Other Female Genital Organs | C570-C589 | | 27070 |

Table A-5 - continued

SEER Site Recode ICD-O-3 (1/27/2003) Definition

| Site Group | ICD-O-3 Site | ICD-O-3 Histology (Type) | Recode |
|--|---|---|--------|
| Male Genital System | | | |
| Prostate | C619 | | 28010 |
| Testis | C620-C629 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 28020 |
| Penis | C600-C609 | | 28030 |
| Other Male Genital Organs | C630-C639 | | 28040 |
| Urinary System | | | |
| Urinary Bladder | C670-C679 | | 29010 |
| Kidney and Renal Pelvis | C649, C659 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 29020 |
| Ureter | C669 | | 29030 |
| Other Urinary Organs | C680-C689 | | 29040 |
| Eye and Orbit | C690-C699 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 30000 |
| Brain and Other Nervous System | | | |
| Brain | C710-C719 | excluding 9530-9539, 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 31010 |
| Cranial Nerves Other Nervous System | C710-C719 C700-C709, C720-C729 | 9530-9539 excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 31040 |
| Endocrine System | | | |
| Thyroid | C739 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | 32010 |
| Other Endocrine including Thymus | C379, C740-C749, C750-C759 | | 32020 |
| Lymphoma | | | |
| Hodgkin Lymphoma | | | |
| Hodgkin - Nodal | C024, C098-C099, C111, C142, C379, C422, C770-C779 | 9650-9667 | 33011 |
| Hodgkin - Extranodal | All other sites | | 33012 |
| Non-Hodgkin Lymphoma | | | |
| NHL - Nodal | C024, C098-C099, C111, C142, C379, C422, C770-C779 | 9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729, 9823, 9827 | 33041 |
| NHL - Extranodal | All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779 | 9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729 | 33042 |
| | All sites except C024, C098- C099, C111, C142, C379, C420-C422, C424, C770-C779 | 9823, 9827 | |
| Myeloma | | 9731-9732, 9734 | 34000 |
| Leukemia | | | |
| Lymphocytic Leukemia | | | |
| Acute Lymphocytic Leukemia | | 9826, 9835-9837 | 35011 |
| Chronic Lymphocytic Leukemia | C420-C421, C424 | 9823 | 35012 |
| Other Lymphocytic Leukemia | | 9820, 9832-9834, 9940 | 35013 |
| Myeloid and Monocytic Leukemia | | | |
| Acute Myeloid Leukemia | | 9840, 9861, 9866, 9867, 9871-9874, 9895-9897, 9910, 9920 | 35021 |
| Acute Monocytic Leukemia | | 9891 | 35031 |
| Chronic Myeloid Leukemia | | 9863, 9875, 9876, 9945, 9946 | 35022 |
| Other Myeloid/Monocytic Leukemia | | 9860, 9930 | 35023 |
| Other Leukemia | | | |
| Other Acute Leukemia | | 9801, 9805, 9931 | 35041 |
| Aleukemic, Subleukemic and NOS | | 9733, 9742, 9800, 9831, 9870, 9948, 9963, 9964 | 35043 |
| | C420, C421, C424 | 9827 | |
| Mesothelioma ⁺ | | 9050-9055 | 36010 |
| Kaposi Sarcoma ⁺ | | 9140 | 36020 |
| Miscellaneous | | 9740-9741, 9750-9758, 9760-9769, 9950, 9960-9962, 9970, 9975, 9980, 9982-9987, 9989 | 37000 |
| | C420-C424, C760-C768 C770-C779, C809 | excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺ | |
| Invalid | Site or histology code not within valid range or site code not found in this table | | 99999 |

⁺ The Site Recode variable can be created with or without Mesothelioma (9050-9055) and Kaposi Sarcoma (9140) as separate groupings. The table above documents both possibilities.

Table A-6

International Classification of Childhood Cancer (ICCC)^a Definition

| Site Group | ICD-0-3 Morphology | ICD-0-3 Topography |
|--|---|--|
| I. Leukemias, myeloproliferative diseases, and myelodysplastic diseases | | |
| a. Lymphoid leukemias | 9820, 9823, 9826, 9827, 9831-9837, 9940, 9948 | |
| b. Acute myeloid leukemias | 9840, 9861, 9866, 9867, 9870-9874, 9891, 9895-9897, 9910, 9920, 9931 | |
| c. Chronic myeloproliferative diseases | 9863, 9875, 9876, 9950, 9960-9964 | |
| d. Myelodysplastic syndrome and other myeloproliferative diseases | 9945, 9946, 9975, 9980, 9982-9987, 9989 | |
| e. Unspecified and other specified leukemias | 9800, 9801, 9805, 9860, 9930 | |
| II. Lymphomas and reticuloendothelial neoplasms | | |
| a. Hodgkin lymphomas | 9650-9655, 9659, 9661-9665, 9667 | |
| b. Non-Hodgkin lymphomas (except Burkitt lymphoma) | 9591, 9670, 9671, 9673, 9675, 9678-9680, 9684, 9689-9691, 9695, 9698-9702, 9705, 9708, 9709, 9714, 9716-9719, 9727-9729, 9731-9734, 9760-9762, 9764-9769, 9970 | |
| c. Burkitt lymphoma | 9687 | |
| d. Miscellaneous lymphoreticular neoplasms | 9740-9742, 9750, 9754-9758 | |
| e. Unspecified lymphomas | 9590, 9596 | |
| III. CNS and miscellaneous intracranial and intraspinal neoplasms | | |
| a. Ependymomas and choroid plexus tumor | 9383, 9390-9394b | |
| b. Astrocytomas | 9380 ^b 9384, 9400-9411, 9420, 9421-9424, 9440-9442 ^b | C72.3 |
| c. Intracranial and intraspinal embryonal tumors | 9470-9474, 9480, 9508 ^b 9501-9504 ^b | C70.0-C72.9 |
| d. Other gliomas | 9380 ^b 9381, 9382, 9430, 9444, 9450, 9451, 9460 ^b | C70.0-C72.2, C72.4-C72.9, C75.1, C75.3 |
| e. Other specified intracranial and intraspinal neoplasms | 8270-8281, 8300, 9350-9352, 9360-9362, 9412, 9413, 9492, 9493, 9505-9507, 9530-9539, 9582 ^b | |
| f. Unspecified intracranial and intraspinal neoplasms | 8000-8005 ^b | C70.0-C72.9, C75.1-C75.3 |
| IV. Neuroblastoma and other peripheral nervous cell tumors | | |
| a. Neuroblastoma and ganglioneuroblastoma | 9490, 9500 | |
| b. Other peripheral nervous cell tumors | 8680-8683, 8690-8693, 8700, 9520-9523 9501-9504 | C00.0-C69.9, C73.9-C76.8, C80.9 |
| V. Retinoblastoma | 9510-9514 | |
| VI. Renal tumors | | |
| a. Nephroblastoma and other nonepithelial renal tumors | 8959, 8960, 8964-8967 8963, 9364 | C64.9 |
| b. Renal carcinomas | 8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8143, 8155, 8190-8201, 8210, 8211, 8221-8231, 8240, 8241, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8401, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8576 8311, 8312, 8316-8319, 8361 | C64.9 |
| c. Unspecified malignant renal tumors | 8000-8005 | C64.9 |
| VII. Hepatic tumors | | |
| a. Hepatoblastoma | 8970 | |
| b. Hepatic carcinomas | 8010-8041, 8050-8075, 8082, 8120-8122, 8140, 8141, 8143, 8155, 8190-8201, 8210, 8211, 8230, 8231, 8240, 8241, 8244-8246, 8260-8264, 8310, 8320, 8323, 8401, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8576 8160-8180 | C22.0, C22.1 |
| c. Unspecified malignant hepatic tumors | 8000-8005 | C22.0, C22.1 |

^a International Classification of Childhood Cancer is based on ICD-0-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

^b Tumors with nonmalignant behavior are included for all morphology codes on the line. CNS: central nervous system.

Table A-6 - continued

International Classification of Childhood Cancer (ICCC)^a Definition

| Site Group | ICD-0-3 Morphology | ICD-0-3 Topography |
|---|---|---|
| VIII. Malignant bone tumors | | |
| a. Osteosarcomas | 9180-9187, 9191-9195, 9200 | C40.0-C41.9, C76.0-C76.8, C80.9 |
| b. Chondrosarcomas | 9210, 9220, 9240 | C40.0-C41.9, C76.0-C76.8, C80.9 |
| | 9221, 9230, 9241-9243 | |
| c. Ewing tumor and related sarcomas of bone | 9260 | C40.0-C41.9, C76.0-C76.8, C80.9 |
| | 9363-9365 | C40.0-C41.9 |
| d. Other specified malignant bone tumors | 8810, 8811, 8823, 8830 8812, 9250, 9261, 9262, 9270-9275, 9280-9282, 9290, 9300-9302, 9310-9312, 9320-9322, 9330, 9340-9342, 9370-9372 | C40.0-C41.9 |
| e. Unspecified malignant bone tumors | 8000-8005, 8800, 8801, 8803-8805 | C40.0-C41.9 |
| IX. Soft tissue and <STYLE> other extraosseous sarcomas | | |
| a. Rhabdomyosarcomas | 8900-8905, 8910, 8912, 8920, 8991 | |
| b. Fibrosarcomas, peripheral nerve sheath tumors, and other fibrous neoplasms | 8810, 8811, 8813-8815, 8821, 8823, 8834-8835 | C00.0-C39.9, C44.0-C76.8, C80.9 |
| | 8820, 8822, 8824-8827, 9150, 9160, 9491, 9540-9571, 9580 | |
| c. Kaposi sarcoma | 9140 | |
| d. Other specified soft tissue sarcomas | 8587, 8710-8713, 8806, 8831-8833, 8836, 8840-8842, 8850-8858, 8860-8862, 8870, 8880, 8881, 8890-8898, 8921, 8982, 8990, 9040-9044, 9120-9125, 9130-9133, 9135, 9136, 9141, 9142, 9161, 9170-9175, 9231, 9251, 9252, 9373, 9581 | |
| | 8830 | C00.0-C39.9, C44.0-C76.8, C80.9 |
| | 8963 | C00.0-C63.9, C65.9- C69.9, C73.9-C76.8, C80.9 |
| | 9180, 9210, 9220, 9240 | C49.0-C49.9 |
| | 9260 | C00.0-C39.9, C47.0-C75.9 |
| | 9364 | C00.0-C39.9, C47.0- C63.9, C65.9-C69.9, C73.9-C76.8, C80.9 |
| | 9365 | C00.0-C39.9, C47.0- C63.9, C65.9-C76.8, C80.9 |
| e. Unspecified soft tissue sarcomas | 8800-8805 | C00.0-C39.9, C44.0-C76.8 |
| X. Germ cell tumors, trophoblastic tumors, and neoplasms of gonads | | |
| a. Intracranial and intraspinal germ cell tumors | 9060-9065, 9070-9072, 9080-9085, 9100, 9101 ^b | C70.0-C72.9, C75.1-C75.3 |
| b. Malignant extracranial and extragonadal germ cell tumors | 9060-9065, 9070-9072, 9080-9085, 9100-9105 | C00.0-C55.9, C57.0- C61.9, C63.0-C69.9, C73.9-C75.0, C75.4- C76.8, C80.9 |
| c. Malignant gonadal germ cell tumors | 9060-9065, 9070-9073, 9080-9085, 9090, 9091, 9100, 9101 | C56.9, C62.0-C62.9 |
| d. Gonadal carcinomas | 8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8143, 8190-8201, 8210, 8211, 8221-8241, 8244-8246, 8260-8263, 8290, 8310, 8313, 8320, 8323, 8380-8384, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8573, 9000, 9014, 9015 | C56.9, C62.0-C62.9 |
| | 8441-8444, 8450, 8451, 8460-8473 | |
| e. Other and unspecified malignant gonadal tumors | 8590-8671 8000-8005 | C56.9, C62.0-C62.9 |

^a International Classification of Childhood Cancer is based on ICD-0-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

^b Tumors with nonmalignant behavior are included for all morphology codes on the line. CNS: central nervous system.

Table A-6 - continued

International Classification of Childhood Cancer (ICCC)^a Definition

| Site Group | ICD-0-3 Morphology | ICD-0-3 Topography |
|---|---|--|
| XI. Other malignant epithelial neoplasms and malignant melanomas | | |
| a. Adrenocortical carcinomas | 8370-8375 | |
| b. Thyroid carcinomas | 8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8190, 8200, 8201, 8211, 8230, 8231, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8430, 8440, 8480, 8481, 8510, 8560-8573 | C73.9 |
| c. Nasopharyngeal carcinomas | 8330-8337, 8340-8347, 8350 | |
| d. Malignant melanomas | 8010-8041, 8050-8075, 8082, 8083, 8120-8122, 8130-8141, 8190, 8200, 8201, 8211, 8230, 8231, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8430, 8440, 8480, 8481, 8500-8576 | C11.0-C11.9 |
| e. Skin carcinomas | 8720-8780, 8790 | |
| f. Other and unspecified carcinomas | 8010-8041, 8050-8075, 8078, 8082, 8090-8110, 8140, 8143, 8147, 8190, 8200, 8240, 8246, 8247, 8260, 8310, 8320, 8323, 8390-8420, 8430, 8480, 8542, 8560, 8570-8573, 8940, 8941 | C44.0-C44.9 |
| | 8010-8084, 8120-8157, 8190-8264, 8290, 8310, 8313-8315, 8320-8325, 8360, 8380-8384, 8430-8440, 8452-8454, 8480-8586, 8588-8589, 8940, 8941, 8983, 9000, 9010-9016, 9020, 9030 | C00.0-C10.9, C12.9-C21.8, C23.9-C39.9, C48.0-C48.8, C50.0-C55.9, C57.0-C61.9, C63.0-C63.9, C65.9-C72.9, C75.0-C76.8, C80.9 |
| XII. Other and unspecified malignant neoplasms | | |
| a. Other specified malignant tumors | 8930-8936, 8950, 8951, 8971-8981, 9050-9055, 9110 | |
| | 9363 | C00.0-C39.9, C47.0-C75.9 |
| b. Other unspecified malignant tumors | 8000-8005 | C00.0-C21.8, C23.9-C39.9, C42.0-C55.9, C57.0-C61.9, C63.0-C63.9, C65.9-C69.9, C73.9-C75.0, C75.4-C80.9 |

^a International Classification of Childhood Cancer is based on ICD-0-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

^b Tumors with nonmalignant behavior are included for all morphology codes on the line. CNS: central nervous system.

Table A-7

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-7 - 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.

Table A-8

ANNUAL POPULATIONS AVERAGED OVER 2001-2005

By State, Race/Ethnicity and Sex

| State | All Races | | | Whites | | | Blacks | | |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Total U.S. | 290,858,700 | 143,010,011 | 147,848,689 | 236,323,415 | 116,821,466 | 119,501,949 | 38,133,239 | 18,173,071 | 19,960,168 |
| CHSDA counties ^a | - | - | - | - | - | - | - | - | - |
| Non-CHSDA counties ^a | - | - | - | - | - | - | - | - | - |
| Alabama | 4,500,118 | 2,176,824 | 2,323,294 | 3,243,100 | 1,589,970 | 1,653,130 | 1,191,143 | 554,373 | 636,770 |
| Alaska | 648,124 | 334,117 | 314,007 | 473,724 | 246,881 | 226,843 | 29,291 | 15,289 | 14,002 |
| Arizona | 5,605,326 | 2,801,991 | 2,803,336 | 4,961,570 | 2,482,513 | 2,479,058 | 213,825 | 110,888 | 102,937 |
| Arkansas | 2,728,808 | 1,334,599 | 1,394,209 | 2,242,793 | 1,103,968 | 1,138,824 | 435,846 | 206,204 | 229,642 |
| California | 35,407,350 | 17,671,517 | 17,735,832 | 27,801,595 | 13,970,807 | 13,830,788 | 2,576,392 | 1,264,213 | 1,312,179 |
| Colorado | 4,547,289 | 2,290,770 | 2,256,519 | 4,152,619 | 2,092,173 | 2,060,446 | 204,029 | 105,768 | 98,261 |
| Connecticut | 3,473,610 | 1,687,632 | 1,785,978 | 2,986,479 | 1,452,752 | 1,533,727 | 363,358 | 173,520 | 189,838 |
| Delaware | 817,681 | 397,063 | 420,618 | 623,278 | 304,613 | 318,665 | 169,306 | 80,228 | 89,079 |
| Dist. of Columbia | 579,102 | 271,966 | 307,136 | 212,521 | 106,550 | 105,971 | 345,278 | 155,861 | 189,416 |
| Florida | 17,030,712 | 8,337,328 | 8,693,384 | 13,890,311 | 6,823,733 | 7,066,578 | 2,684,357 | 1,293,735 | 1,390,622 |
| Georgia | 8,767,985 | 4,315,668 | 4,452,316 | 5,897,922 | 2,951,960 | 2,945,962 | 2,603,267 | 1,230,819 | 1,372,448 |
| Hawaii | 1,246,570 | 623,727 | 622,843 | 304,183 | 162,426 | 141,757 | 36,291 | 20,683 | 15,609 |
| Idaho | 1,371,406 | 689,394 | 682,013 | 1,322,238 | 664,647 | 657,590 | 10,157 | 5,666 | 4,491 |
| Illinois | 12,649,684 | 6,211,880 | 6,437,803 | 10,127,438 | 5,014,672 | 5,112,766 | 1,956,986 | 918,829 | 1,038,157 |
| Indiana | 6,192,432 | 3,044,089 | 3,148,343 | 5,531,712 | 2,724,625 | 2,807,087 | 560,613 | 269,237 | 291,377 |
| Iowa | 2,945,744 | 1,450,138 | 1,495,606 | 2,813,024 | 1,382,486 | 1,430,538 | 76,617 | 39,761 | 36,856 |
| Kansas | 2,726,162 | 1,350,123 | 1,376,039 | 2,460,484 | 1,216,937 | 1,243,547 | 174,040 | 87,611 | 86,429 |
| Kentucky | 4,116,829 | 2,015,201 | 2,101,628 | 3,747,566 | 1,834,467 | 1,913,099 | 318,983 | 155,925 | 163,059 |
| Louisiana | 4,455,260 | 2,160,338 | 2,294,922 | 2,890,660 | 1,419,444 | 1,471,216 | 1,470,762 | 693,591 | 777,171 |
| Maine | 1,304,506 | 636,371 | 668,135 | 1,273,377 | 620,739 | 652,639 | 11,164 | 6,285 | 4,879 |
| Maryland | 5,494,135 | 2,654,914 | 2,839,221 | 3,591,905 | 1,761,261 | 1,830,645 | 1,616,780 | 755,917 | 860,864 |
| Massachusetts | 6,429,386 | 3,106,693 | 3,322,692 | 5,656,223 | 2,730,487 | 2,925,736 | 451,711 | 218,213 | 233,498 |
| Michigan | 10,060,790 | 4,944,321 | 5,116,469 | 8,269,059 | 4,086,868 | 4,182,191 | 1,488,834 | 706,213 | 782,620 |
| Minnesota | 5,058,097 | 2,510,453 | 2,547,644 | 4,593,157 | 2,275,234 | 2,317,924 | 225,980 | 116,893 | 109,087 |
| Mississippi | 2,873,496 | 1,390,328 | 1,483,167 | 1,776,130 | 873,652 | 902,478 | 1,060,967 | 499,012 | 561,955 |

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a American Indian/Alaska Native statistics are reported based on the CHSDA (Contract Health Service Delivery Area) counties. All other race/ethnicities are not shown for these areas.

Table A-8 - continued

ANNUAL POPULATIONS AVERAGED OVER 2001-2005

By State, Race/Ethnicity and Sex

| State | All Races | | | Whites | | | Blacks | | |
|----------------|------------|------------|------------|------------|-----------|-----------|------------|-----------|-----------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Missouri | 5,717,282 | 2,786,702 | 2,930,580 | 4,927,236 | 2,412,798 | 2,514,438 | 673,684 | 316,672 | 357,011 |
| Montana | 918,956 | 458,906 | 460,050 | 845,566 | 422,525 | 423,041 | 5,258 | 2,994 | 2,263 |
| Nebraska | 1,737,703 | 859,324 | 878,379 | 1,611,623 | 796,980 | 814,643 | 79,781 | 39,575 | 40,206 |
| Nevada | 2,250,187 | 1,143,948 | 1,106,239 | 1,893,962 | 970,387 | 923,576 | 178,950 | 89,922 | 89,028 |
| New Hampshire | 1,284,615 | 632,706 | 651,909 | 1,243,984 | 611,783 | 632,202 | 14,157 | 7,733 | 6,425 |
| New Jersey | 8,619,122 | 4,197,676 | 4,421,447 | 6,706,518 | 3,277,133 | 3,429,385 | 1,278,516 | 605,917 | 672,599 |
| New Mexico | 1,878,468 | 925,701 | 952,767 | 1,608,509 | 793,572 | 814,936 | 49,000 | 25,610 | 23,389 |
| New York | 19,221,741 | 9,291,244 | 9,930,496 | 14,353,220 | 6,992,400 | 7,360,820 | 3,461,166 | 1,602,190 | 1,858,976 |
| North Carolina | 8,426,449 | 4,129,739 | 4,296,709 | 6,300,624 | 3,123,136 | 3,177,488 | 1,861,363 | 876,727 | 984,636 |
| North Dakota | 634,614 | 317,780 | 316,834 | 590,285 | 295,508 | 294,777 | 5,867 | 3,374 | 2,493 |
| Ohio | 11,435,304 | 5,564,824 | 5,870,480 | 9,828,529 | 4,798,212 | 5,030,317 | 1,402,139 | 665,768 | 736,372 |
| Oklahoma | 3,505,150 | 1,725,569 | 1,779,581 | 2,835,323 | 1,396,081 | 1,439,241 | 290,837 | 143,644 | 147,192 |
| Oregon | 3,557,381 | 1,766,660 | 1,790,721 | 3,281,544 | 1,629,625 | 1,651,919 | 77,041 | 40,652 | 36,389 |
| Pennsylvania | 12,350,337 | 5,984,323 | 6,366,014 | 10,715,550 | 5,202,977 | 5,512,573 | 1,335,496 | 633,558 | 701,937 |
| Rhode Island | 1,070,874 | 516,376 | 554,498 | 962,867 | 463,171 | 499,695 | 70,363 | 34,977 | 35,386 |
| South Carolina | 4,149,167 | 2,016,955 | 2,132,211 | 2,852,199 | 1,407,301 | 1,444,898 | 1,232,233 | 578,021 | 654,211 |
| South Dakota | 765,476 | 381,031 | 384,445 | 684,608 | 340,422 | 344,185 | 7,999 | 4,757 | 3,243 |
| Tennessee | 5,842,102 | 2,850,041 | 2,992,061 | 4,756,599 | 2,336,153 | 2,420,446 | 991,627 | 467,584 | 524,042 |
| Texas | 22,139,125 | 11,016,494 | 11,122,631 | 18,592,256 | 9,289,722 | 9,302,534 | 2,634,587 | 1,272,914 | 1,361,673 |
| Utah | 2,376,383 | 1,192,692 | 1,183,690 | 2,246,826 | 1,127,286 | 1,119,540 | 27,752 | 15,303 | 12,449 |
| Vermont | 618,183 | 303,709 | 314,474 | 603,895 | 296,451 | 307,444 | 4,825 | 2,713 | 2,112 |
| Virginia | 7,378,209 | 3,619,339 | 3,758,870 | 5,509,653 | 2,723,725 | 2,785,928 | 1,499,616 | 717,549 | 782,067 |
| Washington | 6,138,666 | 3,058,183 | 3,080,483 | 5,336,046 | 2,662,606 | 2,673,439 | 251,322 | 132,823 | 118,499 |
| West Virginia | 1,807,841 | 882,502 | 925,339 | 1,729,889 | 842,913 | 886,976 | 62,138 | 31,663 | 30,475 |
| Wisconsin | 5,467,328 | 2,709,742 | 2,757,586 | 4,965,281 | 2,463,707 | 2,501,574 | 339,312 | 164,883 | 174,429 |
| Wyoming | 501,772 | 253,334 | 248,439 | 479,684 | 242,135 | 237,550 | 5,504 | 3,064 | 2,440 |

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

Table A-8 - continued

ANNUAL POPULATIONS AVERAGED OVER 2001-2005

By State, Race/Ethnicity and Sex

| State | Asian/Pacific Islander | | | American Indian/Alaska Native | | | Hispanic ^a | | |
|---------------------------------|------------------------|-----------|-----------|-------------------------------|-----------|-----------|-----------------------|------------|------------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Total U.S. | 13,318,138 | 6,476,293 | 6,841,846 | 3,083,907 | 1,539,182 | 1,544,726 | 39,995,465 | 20,643,997 | 19,351,468 |
| CHSDA counties ^b | - | - | - | 1,731,825 | 854,552 | 877,273 | - | - | - |
| Non-CHSDA counties ^b | - | - | - | 1,351,938 | 684,558 | 667,380 | - | - | - |
| Alabama | 40,883 | 19,916 | 20,967 | 24,990 | 12,565 | 12,426 | 93,415 | 52,613 | 40,802 |
| Alaska | 35,856 | 17,080 | 18,776 | 109,253 | 54,868 | 54,386 | 32,035 | 16,727 | 15,308 |
| Arizona | 139,789 | 66,865 | 72,924 | 290,142 | 141,725 | 148,417 | 1,537,240 | 796,863 | 740,377 |
| Arkansas | 28,779 | 13,815 | 14,964 | 21,390 | 10,612 | 10,778 | 112,503 | 62,309 | 50,194 |
| California | 4,544,947 | 2,191,965 | 2,352,982 | 484,416 | 244,532 | 239,883 | 12,125,530 | 6,223,146 | 5,902,385 |
| Colorado | 130,682 | 62,283 | 68,399 | 59,958 | 30,545 | 29,413 | 844,875 | 443,054 | 401,821 |
| Connecticut | 110,063 | 54,360 | 55,703 | 13,709 | 7,000 | 6,710 | 359,592 | 180,937 | 178,655 |
| Delaware | 21,571 | 10,458 | 11,113 | 3,526 | 1,765 | 1,761 | 45,530 | 24,295 | 21,234 |
| Dist. of Columbia | 18,811 | 8,360 | 10,450 | 2,492 | 1,194 | 1,298 | 47,937 | 25,217 | 22,720 |
| Florida | 378,748 | 179,492 | 199,255 | 77,296 | 40,367 | 36,929 | 3,165,110 | 1,593,487 | 1,571,623 |
| Georgia | 237,219 | 117,013 | 120,206 | 29,577 | 15,876 | 13,701 | 565,977 | 328,601 | 237,376 |
| Hawaii | 900,388 | 437,573 | 462,815 | 5,709 | 3,046 | 2,663 | 87,520 | 44,945 | 42,575 |
| Idaho | 17,453 | 8,253 | 9,200 | 21,559 | 10,827 | 10,732 | 118,849 | 63,789 | 55,061 |
| Illinois | 519,841 | 255,347 | 264,494 | 45,418 | 23,032 | 22,386 | 1,723,717 | 912,954 | 810,763 |
| Indiana | 80,257 | 39,968 | 40,289 | 19,850 | 10,259 | 9,591 | 256,672 | 140,281 | 116,391 |
| Iowa | 45,119 | 22,445 | 22,674 | 10,984 | 5,446 | 5,538 | 99,207 | 53,796 | 45,411 |
| Kansas | 61,008 | 30,130 | 30,877 | 30,630 | 15,445 | 15,185 | 213,655 | 114,125 | 99,530 |
| Kentucky | 40,470 | 19,712 | 20,758 | 9,810 | 5,098 | 4,712 | 72,764 | 42,312 | 30,451 |
| Louisiana | 65,215 | 32,879 | 32,336 | 28,622 | 14,423 | 14,199 | 119,811 | 61,760 | 58,051 |
| Maine | 11,613 | 5,281 | 6,332 | 8,351 | 4,067 | 4,284 | 11,611 | 5,893 | 5,718 |
| Maryland | 264,909 | 127,563 | 137,346 | 20,541 | 10,173 | 10,367 | 281,643 | 147,184 | 134,459 |
| Massachusetts | 299,834 | 147,272 | 152,562 | 21,616 | 10,721 | 10,896 | 475,680 | 236,121 | 239,559 |
| Michigan | 230,111 | 115,127 | 114,985 | 72,786 | 36,113 | 36,673 | 364,219 | 192,692 | 171,527 |
| Minnesota | 175,388 | 86,658 | 88,730 | 63,572 | 31,669 | 31,903 | 172,013 | 93,361 | 78,652 |
| Mississippi | 23,203 | 11,167 | 12,036 | 13,196 | 6,497 | 6,699 | 46,410 | 26,715 | 19,695 |

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

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

^b American Indian/Alaska Native statistics are reported based on the CHSDA (Contract Health Service Delivery Area) counties. All other race/ethnicities are not shown for these areas.

Table A-8 - continued

ANNUAL POPULATIONS AVERAGED OVER 2001-2005

By State, Race/Ethnicity and Sex

| State | Asian/Pacific Islander | | | American Indian/Alaska Native | | | Hispanic ^a | | |
|----------------|------------------------|---------|---------|-------------------------------|---------|---------|-----------------------|-----------|-----------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Missouri | 84,120 | 40,985 | 43,135 | 32,242 | 16,247 | 15,995 | 141,485 | 74,661 | 66,824 |
| Montana | 6,411 | 2,793 | 3,618 | 61,721 | 30,593 | 31,128 | 21,068 | 10,668 | 10,401 |
| Nebraska | 29,065 | 14,314 | 14,751 | 17,234 | 8,454 | 8,780 | 114,070 | 61,873 | 52,196 |
| Nevada | 142,067 | 65,955 | 76,112 | 35,207 | 17,683 | 17,524 | 498,381 | 264,702 | 233,680 |
| New Hampshire | 22,612 | 11,176 | 11,437 | 3,861 | 2,015 | 1,846 | 25,826 | 13,309 | 12,517 |
| New Jersey | 602,871 | 298,575 | 304,296 | 31,218 | 16,051 | 15,167 | 1,254,816 | 638,163 | 616,653 |
| New Mexico | 28,246 | 13,197 | 15,049 | 192,713 | 93,322 | 99,392 | 812,748 | 404,539 | 408,209 |
| New York | 1,284,513 | 635,973 | 648,540 | 122,842 | 60,682 | 62,160 | 3,036,429 | 1,499,680 | 1,536,749 |
| North Carolina | 154,375 | 75,360 | 79,015 | 110,086 | 54,516 | 55,570 | 483,349 | 281,846 | 201,503 |
| North Dakota | 4,905 | 2,437 | 2,468 | 33,557 | 16,462 | 17,095 | 9,266 | 4,902 | 4,364 |
| Ohio | 172,066 | 84,501 | 87,565 | 32,570 | 16,344 | 16,226 | 244,413 | 127,173 | 117,241 |
| Oklahoma | 62,514 | 30,700 | 31,814 | 316,477 | 155,143 | 161,334 | 213,596 | 115,032 | 98,564 |
| Oregon | 140,544 | 67,235 | 73,309 | 58,252 | 29,148 | 29,104 | 327,218 | 179,701 | 147,517 |
| Pennsylvania | 274,244 | 135,497 | 138,747 | 25,047 | 12,290 | 12,757 | 455,539 | 234,396 | 221,143 |
| Rhode Island | 30,582 | 14,809 | 15,773 | 7,062 | 3,419 | 3,643 | 106,836 | 53,003 | 53,833 |
| South Carolina | 48,353 | 23,287 | 25,066 | 16,382 | 8,346 | 8,036 | 121,930 | 71,205 | 50,725 |
| South Dakota | 5,989 | 2,925 | 3,064 | 66,880 | 32,927 | 33,953 | 13,965 | 7,461 | 6,504 |
| Tennessee | 75,602 | 36,715 | 38,887 | 18,274 | 9,588 | 8,686 | 156,915 | 91,238 | 65,677 |
| Texas | 748,064 | 370,157 | 377,907 | 164,218 | 83,701 | 80,517 | 7,543,519 | 3,857,167 | 3,686,351 |
| Utah | 67,658 | 32,977 | 34,681 | 34,148 | 17,127 | 17,021 | 242,626 | 129,861 | 112,764 |
| Vermont | 6,574 | 3,083 | 3,492 | 2,889 | 1,462 | 1,427 | 6,395 | 3,239 | 3,156 |
| Virginia | 342,154 | 164,475 | 177,680 | 26,786 | 13,591 | 13,195 | 404,866 | 216,218 | 188,648 |
| Washington | 436,936 | 205,746 | 231,190 | 114,362 | 57,008 | 57,354 | 510,652 | 272,233 | 238,419 |
| West Virginia | 11,899 | 5,920 | 5,978 | 3,916 | 2,006 | 1,909 | 14,189 | 7,414 | 6,775 |
| Wisconsin | 108,953 | 54,379 | 54,574 | 53,782 | 26,772 | 27,010 | 227,330 | 123,151 | 104,179 |
| Wyoming | 3,945 | 1,786 | 2,158 | 12,640 | 6,348 | 6,291 | 33,529 | 17,484 | 16,044 |

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

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

Table A-9

ANNUAL POPULATIONS AVERAGED OVER 2001-2005

By SEER Registry, Race/Ethnicity and Sex

| Area | All Races | | | Whites | | | Blacks | | |
|-----------------------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Atlanta & Rural GA | 3,282,764 | 1,620,685 | 1,662,079 | 1,868,859 | 950,095 | 918,764 | 1,238,371 | 581,964 | 656,407 |
| Metropolitan Atlanta | 3,160,470 | 1,561,777 | 1,598,692 | 1,800,112 | 916,132 | 883,980 | 1,185,539 | 557,379 | 628,160 |
| Rural Georgia | 122,294 | 58,907 | 63,387 | 68,748 | 33,964 | 34,784 | 52,832 | 24,585 | 28,247 |
| California | 35,407,350 | 17,671,517 | 17,735,832 | 27,801,595 | 13,970,807 | 13,830,788 | 2,576,392 | 1,264,213 | 1,312,179 |
| Greater Bay Area | 6,571,474 | 3,291,072 | 3,280,402 | 4,521,255 | 2,291,253 | 2,230,002 | 493,847 | 240,481 | 253,366 |
| San Francisco-Oakland, SMSA | 4,162,681 | 2,063,421 | 2,099,260 | 2,768,269 | 1,395,413 | 1,372,856 | 418,068 | 199,208 | 218,860 |
| San Jose-Monterey | 2,408,793 | 1,227,652 | 1,181,141 | 1,752,986 | 895,840 | 857,146 | 75,779 | 41,273 | 34,506 |
| Los Angeles | 9,832,066 | 4,865,600 | 4,966,466 | 7,383,322 | 3,703,446 | 3,679,876 | 1,008,354 | 471,313 | 537,041 |
| Greater California | 19,003,810 | 9,514,845 | 9,488,965 | 15,897,019 | 7,976,108 | 7,920,910 | 1,074,192 | 552,420 | 521,772 |
| Connecticut | 3,473,610 | 1,687,632 | 1,785,978 | 2,986,479 | 1,452,752 | 1,533,727 | 363,358 | 173,520 | 189,838 |
| Metropolitan Detroit | 4,045,446 | 1,965,882 | 2,079,564 | 2,851,160 | 1,407,565 | 1,443,595 | 1,042,683 | 482,306 | 560,377 |
| Hawaii | 1,246,570 | 623,727 | 622,843 | 304,183 | 162,426 | 141,757 | 36,291 | 20,683 | 15,609 |
| Iowa | 2,945,744 | 1,450,138 | 1,495,606 | 2,813,024 | 1,382,486 | 1,430,538 | 76,617 | 39,761 | 36,856 |
| Kentucky | 4,116,829 | 2,015,201 | 2,101,628 | 3,747,566 | 1,834,467 | 1,913,099 | 318,983 | 155,925 | 163,059 |
| Louisiana | 4,455,260 | 2,160,338 | 2,294,922 | 2,890,660 | 1,419,444 | 1,471,216 | 1,470,762 | 693,591 | 777,171 |
| New Jersey | 8,619,122 | 4,197,676 | 4,421,447 | 6,706,518 | 3,277,133 | 3,429,385 | 1,278,516 | 605,917 | 672,599 |
| New Mexico | 1,878,468 | 925,701 | 952,767 | 1,608,509 | 793,572 | 814,936 | 49,000 | 25,610 | 23,389 |
| Seattle-Puget Sound | 4,202,559 | 2,094,695 | 2,107,864 | 3,524,537 | 1,761,208 | 1,763,329 | 218,865 | 114,945 | 103,920 |
| Utah | 2,376,383 | 1,192,692 | 1,183,690 | 2,246,826 | 1,127,286 | 1,119,540 | 27,752 | 15,303 | 12,449 |
| 9 SEER areas ^a | 27,491,930 | 13,565,665 | 13,926,265 | 20,903,097 | 10,398,839 | 10,504,258 | 3,418,173 | 1,628,714 | 1,789,458 |
| 11 SEER areas ^a | 39,732,789 | 19,658,917 | 20,073,872 | 30,039,405 | 14,998,125 | 15,041,280 | 4,502,305 | 2,141,300 | 2,361,005 |
| 13 SEER areas ^a | 40,503,207 | 20,051,942 | 20,451,266 | 30,581,876 | 15,278,970 | 15,302,907 | 4,584,428 | 2,181,173 | 2,403,255 |
| 17 SEER areas ^a | 76,698,229 | 37,940,001 | 38,758,228 | 59,823,639 | 29,786,122 | 30,037,517 | 8,726,881 | 4,189,025 | 4,537,856 |

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.
The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.
The SEER 17 areas comprise the SEER 13 areas plus Greater California(California excluding SF/SJM/LA), Kentucky, Louisiana and New Jersey

Table A-9 - continued

ANNUAL POPULATIONS AVERAGED OVER 2001-2005

By SEER Registry, Race/Ethnicity and Sex

| Area | Asian/Pacific Islander | | | Hispanic ^a | | |
|-----------------------------|------------------------|-----------|-----------|-----------------------|-----------|-----------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Atlanta & Rural GA | 163,729 | 82,186 | 81,543 | 308,086 | 180,375 | 127,711 |
| Metropolitan Atlanta | 163,249 | 81,940 | 81,309 | 305,761 | 178,991 | 126,771 |
| Rural Georgia | 481 | 246 | 235 | 2,324 | 1,384 | 940 |
| California | 4,544,947 | 2,191,965 | 2,352,982 | 12,125,530 | 6,223,146 | 5,902,385 |
| Greater Bay Area | 1,496,936 | 728,745 | 768,191 | 1,508,007 | 790,463 | 717,544 |
| San Francisco-Oakland, SMSA | 943,124 | 451,736 | 491,388 | 791,142 | 412,908 | 378,234 |
| San Jose-Monterey | 553,812 | 277,009 | 276,803 | 716,865 | 377,555 | 339,310 |
| Los Angeles | 1,325,262 | 632,089 | 693,173 | 4,546,596 | 2,297,033 | 2,249,563 |
| Greater California | 1,722,749 | 831,131 | 891,618 | 6,070,927 | 3,135,649 | 2,935,278 |
| Connecticut | 110,063 | 54,360 | 55,703 | 359,592 | 180,937 | 178,655 |
| Metropolitan Detroit | 133,744 | 67,342 | 66,402 | 134,604 | 71,005 | 63,599 |
| Hawaii | 900,388 | 437,573 | 462,815 | 87,520 | 44,945 | 42,575 |
| Iowa | 45,119 | 22,445 | 22,674 | 99,207 | 53,796 | 45,411 |
| Kentucky | 40,470 | 19,712 | 20,758 | 72,764 | 42,312 | 30,451 |
| Louisiana | 65,215 | 32,879 | 32,336 | 119,811 | 61,760 | 58,051 |
| New Jersey | 602,871 | 298,575 | 304,296 | 1,254,816 | 638,163 | 616,653 |
| New Mexico | 28,246 | 13,197 | 15,049 | 812,748 | 404,539 | 408,209 |
| Seattle-Puget Sound | 388,330 | 183,135 | 205,195 | 254,164 | 136,535 | 117,629 |
| Utah | 67,658 | 32,977 | 34,681 | 242,626 | 129,861 | 112,764 |
| 9 SEER areas ^b | 2,779,921 | 1,344,705 | 1,435,216 | 3,087,364 | 1,613,517 | 1,473,848 |
| 11 SEER areas ^b | 4,658,995 | 2,253,802 | 2,405,192 | 8,350,825 | 4,288,105 | 4,062,720 |
| 13 SEER areas ^b | 4,695,331 | 2,271,128 | 2,424,203 | 8,385,184 | 4,306,216 | 4,078,968 |
| 17 SEER areas ^b | 7,126,636 | 3,453,426 | 3,673,210 | 15,903,503 | 8,184,101 | 7,719,401 |

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

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

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus Greater California(California excluding SF/SJM/LA), Kentucky, Louisiana and New Jersey

Table A-9 - continued

ANNUAL POPULATIONS AVERAGED OVER 2001-2005

American Indian/Alaska Native By SEER Registry, CHSDA County Status and Sex

| Area | American Indian/Alaska Native Total U.S. | | | American Indian/Alaska Native CHSDA | | | American Indian/Alaska Native Non-CHSDA | | |
|---------------------------------|---|---------|---------|--|---------|---------|--|---------|---------|
| | Both Sexes | Males | Females | Both Sexes | Males | Females | Both Sexes | Males | Females |
| Atlanta & Rural GA | 11,804 | 6,439 | 5,365 | 0 | 0 | 0 | 11,804 | 6,439 | 5,365 |
| Metropolitan Atlanta | 11,570 | 6,326 | 5,244 | 0 | 0 | 0 | 11,570 | 6,326 | 5,244 |
| Rural Georgia | 234 | 113 | 121 | 0 | 0 | 0 | 234 | 113 | 121 |
| Alaska | 109,253 | 54,868 | 54,386 | 109,253 | 54,868 | 54,386 | 0 | 0 | 0 |
| California | 484,416 | 244,532 | 239,883 | 203,805 | 101,806 | 101,999 | 280,611 | 142,726 | 137,885 |
| Greater Bay Area | 59,437 | 30,594 | 28,843 | 0 | 0 | 0 | 59,437 | 30,594 | 28,843 |
| San Francisco- Oakland, SMSA | 33,220 | 17,064 | 16,156 | 0 | 0 | 0 | 33,220 | 17,064 | 16,156 |
| San Jose-Monterey | 26,217 | 13,530 | 12,687 | 0 | 0 | 0 | 26,217 | 13,530 | 12,687 |
| Los Angeles | 115,129 | 58,753 | 56,376 | 0 | 0 | 0 | 115,129 | 58,753 | 56,376 |
| Greater California | 309,850 | 155,185 | 154,665 | 203,805 | 101,806 | 101,999 | 106,045 | 53,379 | 52,666 |
| Connecticut | 13,709 | 7,000 | 6,710 | 13,709 | 7,000 | 6,710 | 0 | 0 | 0 |
| Metropolitan Detroit | 17,859 | 8,670 | 9,189 | 0 | 0 | 0 | 17,859 | 8,670 | 9,189 |
| Hawaii | 5,709 | 3,046 | 2,663 | 0 | 0 | 0 | 5,709 | 3,046 | 2,663 |
| Iowa | 10,984 | 5,446 | 5,538 | 3,655 | 1,757 | 1,897 | 7,329 | 3,689 | 3,640 |
| Kentucky | 9,810 | 5,098 | 4,712 | 0 | 0 | 0 | 9,810 | 5,098 | 4,712 |
| Louisiana | 28,622 | 14,423 | 14,199 | 3,055 | 1,514 | 1,541 | 25,567 | 12,909 | 12,658 |
| New Jersey | 31,218 | 16,051 | 15,167 | 0 | 0 | 0 | 31,218 | 16,051 | 15,167 |
| New Mexico | 192,713 | 93,322 | 99,392 | 183,629 | 88,704 | 94,925 | 9,085 | 4,618 | 4,467 |
| Seattle-Puget Sound | 70,827 | 35,407 | 35,420 | 70,669 | 35,321 | 35,348 | 158 | 86 | 72 |
| Utah | 34,148 | 17,127 | 17,021 | 16,966 | 8,284 | 8,682 | 17,182 | 8,843 | 8,339 |
| 9 SEER areas ^a | 390,740 | 193,407 | 197,332 | 288,628 | 141,066 | 147,562 | 102,112 | 52,341 | 49,770 |
| 11 SEER areas ^a | 532,085 | 265,691 | 266,395 | 288,628 | 141,066 | 147,562 | 243,457 | 124,625 | 118,833 |
| 13 SEER areas ^a | 641,572 | 320,671 | 320,901 | 397,881 | 195,934 | 201,948 | 243,691 | 124,737 | 118,954 |
| 17 SEER areas ^a | 1,021,072 | 511,428 | 509,645 | 604,741 | 299,254 | 305,487 | 416,332 | 212,174 | 204,158 |

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.
The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.
The SEER 17 areas comprise the SEER 13 areas plus Greater California(California excluding SF/SJM/LA), Kentucky, Louisiana and New Jersey

Table A-10

Standard Populations, By Age

| Age | 2000 United States Standard Population (Census P25-1130) |
|----------|--|
| All Ages | 274,633,642 |
| <1 | 3,794,901 |
| 1-4 | 15,191,619 |
| 5-9 | 19,919,840 |
| 10-14 | 20,056,779 |
| 15-19 | 19,819,518 |
| 20-24 | 18,257,225 |
| 25-29 | 17,722,067 |
| 30-34 | 19,511,370 |
| 35-39 | 22,179,956 |
| 40-44 | 22,479,229 |
| 45-49 | 19,805,793 |
| 50-54 | 17,224,359 |
| 55-59 | 13,307,234 |
| 60-64 | 10,654,272 |
| 65-69 | 9,409,940 |
| 70-74 | 8,725,574 |
| 75-79 | 7,414,559 |
| 80-84 | 4,900,234 |
| 85+ | 4,259,173 |

| Age | IARC World Standard Million Population |
|----------|---|
| All Ages | 1,000,000 |
| <1 | 24,000 |
| 1-4 | 96,000 |
| 5-9 | 100,000 |
| 10-14 | 90,000 |
| 15-19 | 90,000 |
| 20-24 | 80,000 |
| 25-29 | 80,000 |
| 30-34 | 60,000 |
| 35-39 | 60,000 |
| 40-44 | 60,000 |
| 45-49 | 60,000 |
| 50-54 | 50,000 |
| 55-59 | 40,000 |
| 60-64 | 40,000 |
| 65-69 | 30,000 |
| 70-74 | 20,000 |
| 75-79 | 10,000 |
| 80-84 | 5,000 |
| 85+ | 5,000 |

Source: U.S. Bureau of the Census, Census of Population 2000.

Muir C, Waterhouse J, Mack T, Powell J, Whelan S. Cancer Incidence In Five Continents, Volume V, pg. 792.

Table A-11
ALL CANCER SITES (Invasive)

SEER FOLLOW-UP RATES^a FOR CASES DIAGNOSED 1975-2004
 By Registry, Sex, and Age

| | Males | | | | Females | | | |
|---------------------------|----------|-------|-------|-------|----------|-------|-------|-------|
| | All Ages | 0-19 | 20-64 | 65+ | All Ages | 0-19 | 20-64 | 65+ |
| <u>FOLLOWED INTO 2004</u> | | | | | | | | |
| REGISTRY | | | | | | | | |
| Standard 9 registries | 99.20 | 94.13 | 98.73 | 99.66 | 98.39 | 92.67 | 97.40 | 99.44 |
| San Francisco-Oakland | 98.64 | 87.56 | 97.84 | 99.51 | 97.24 | 85.03 | 95.42 | 99.19 |
| Connecticut | 98.28 | 85.45 | 97.27 | 99.20 | 96.57 | 82.61 | 94.34 | 98.67 |
| Metropolitan Detroit | 99.55 | 96.16 | 99.33 | 99.79 | 99.04 | 95.97 | 98.42 | 99.69 |
| Hawaii | 99.38 | 96.45 | 99.06 | 99.66 | 98.83 | 95.92 | 98.36 | 99.47 |
| Iowa | 99.92 | 97.92 | 99.85 | 99.99 | 99.87 | 97.94 | 99.75 | 99.98 |
| New Mexico | 99.19 | 94.73 | 98.77 | 99.57 | 98.39 | 93.26 | 97.87 | 99.07 |
| Seattle-Puget Sound | 99.56 | 98.26 | 99.34 | 99.75 | 99.11 | 94.34 | 98.66 | 99.67 |
| Utah | 99.58 | 98.91 | 99.23 | 99.86 | 99.11 | 98.31 | 98.56 | 99.76 |
| Metropolitan Atlanta | 99.10 | 95.14 | 98.68 | 99.72 | 98.55 | 94.77 | 97.77 | 99.71 |
| <u>FOLLOWED INTO 2005</u> | | | | | | | | |
| REGISTRY | | | | | | | | |
| Standard 9 registries | 98.95 | 92.42 | 98.31 | 99.56 | 97.85 | 90.60 | 96.49 | 99.28 |
| San Francisco-Oakland | 98.38 | 85.86 | 97.45 | 99.38 | 96.79 | 82.56 | 94.69 | 99.02 |
| Connecticut | 97.88 | 82.16 | 96.62 | 99.02 | 95.67 | 79.11 | 92.70 | 98.43 |
| Metropolitan Detroit | 99.31 | 94.26 | 98.96 | 99.68 | 98.50 | 93.98 | 97.53 | 99.51 |
| Hawaii | 99.06 | 96.19 | 98.44 | 99.54 | 98.07 | 95.13 | 97.10 | 99.29 |
| Iowa | 99.85 | 97.28 | 99.69 | 99.98 | 99.69 | 97.26 | 99.37 | 99.96 |
| New Mexico | 98.84 | 93.59 | 98.17 | 99.42 | 97.53 | 91.22 | 96.51 | 98.75 |
| Seattle-Puget Sound | 99.39 | 95.99 | 99.10 | 99.68 | 98.80 | 92.00 | 98.19 | 99.57 |
| Utah | 99.33 | 98.00 | 98.78 | 99.76 | 98.57 | 97.33 | 97.69 | 99.62 |
| Metropolitan Atlanta | 98.73 | 93.60 | 98.10 | 99.62 | 97.92 | 91.88 | 96.83 | 99.58 |

^a Represents the percentage of first primaries diagnosed 1975-2004 and followed into the specified year.