

Table 32.7

Age-Adjusted SEER Incidence^a, by Year and Sex
By Adapted Classification Scheme for Tumors of Adolescents and Young Adults^b
All Races, Ages 15-19

| Both Sexes | 1975-2013 | | | 2004-2013 | | |
|---|-----------|------|-------------------|-----------|------|-------------------|
| | No. | Rate | AAPC ^c | No. | Rate | AAPC ^c |
| All Sites Combined | 14,842 | 20.6 | 0.6* | 4,395 | 22.2 | 0.6* |
| 1. Leukemias | 1,757 | 2.4 | 0.7* | 520 | 2.6 | 0.7* |
| 2. Lymphomas | 3,659 | 5.1 | 0.0 | 1,006 | 5.1 | 0.0 |
| 3. CNS, intracranial, intraspinal | 1,440 | 2.0 | 0.4 | 413 | 2.1 | 0.4 |
| 4. Osseous & chondromatous neoplasms | 1,146 | 1.6 | 0.5 | 326 | 1.6 | 0.5 |
| 5. Soft tissue sarcomas | 1,070 | 1.5 | 0.2 | 303 | 1.5 | 0.2 |
| 6. Germ cell and trophoblastic neoplasms | 1,803 | 2.5 | 0.9* | 552 | 2.8 | 0.9* |
| 7. Melanoma and skin carcinomas | 1,088 | 1.5 | 0.7* | 308 | 1.6 | 0.7* |
| 8. Carcinomas (excluding skin) | 2,591 | 3.6 | 2.0* | 891 | 4.5 | 6.0* |
| 9. Miscellaneous specified neoplasms, NOS | 232 | 0.3 | 0.4 | 71 | 0.4 | 0.4 |
| 10. Unspecified malignant neoplasms | 56 | 0.1 | - | - | - | - |

| Males | 1975-2013 | | | 2004-2013 | | |
|---|-----------|------|-------------------|-----------|------|-------------------|
| | No. | Rate | AAPC ^c | No. | Rate | AAPC ^c |
| All Sites Combined | 7,799 | 21.2 | 0.6* | 2,304 | 22.7 | 0.6* |
| 1. Leukemias | 1,047 | 2.8 | 0.4 | 300 | 3.0 | 0.4 |
| 2. Lymphomas | 1,966 | 5.3 | 0.2 | 551 | 5.4 | 0.2 |
| 3. CNS, intracranial, intraspinal | 828 | 2.3 | 0.3 | 226 | 2.2 | 0.3 |
| 4. Osseous & chondromatous neoplasms | 755 | 2.1 | 0.8* | 216 | 2.1 | 0.8* |
| 5. Soft tissue sarcomas | 567 | 1.5 | 0.2 | 156 | 1.5 | 0.2 |
| 6. Germ cell and trophoblastic neoplasms | 1,327 | 3.6 | 1.2* | 433 | 4.3 | 1.2* |
| 7. Melanoma and skin carcinomas | 436 | 1.2 | 1.0* | 129 | 1.3 | 1.0* |
| 8. Carcinomas (excluding skin) | 744 | 2.0 | 1.6* | 258 | 2.5 | 1.6* |
| 9. Miscellaneous specified neoplasms, NOS | 104 | 0.3 | - | 33 | 0.3 | - |
| 10. Unspecified malignant neoplasms | 25 | 0.1 | - | - | - | - |

| Females | 1975-2013 | | | 2004-2013 | | |
|---|-----------|------|-------------------|-----------|------|-------------------|
| | No. | Rate | AAPC ^c | No. | Rate | AAPC ^c |
| All Sites Combined | 7,043 | 20.0 | 0.5* | 2,091 | 21.7 | 0.5* |
| 1. Leukemias | 710 | 2.0 | 1.2* | 220 | 2.3 | 1.2* |
| 2. Lymphomas | 1,693 | 4.8 | -0.1 | 455 | 4.7 | -0.1 |
| 3. CNS, intracranial, intraspinal | 612 | 1.7 | 0.5 | 187 | 1.9 | 0.5 |
| 4. Osseous & chondromatous neoplasms | 391 | 1.1 | 0.1 | 110 | 1.1 | 0.1 |
| 5. Soft tissue sarcomas | 503 | 1.4 | 0.2 | 147 | 1.5 | 0.2 |
| 6. Germ cell and trophoblastic neoplasms | 476 | 1.4 | -0.2 | 119 | 1.2 | -0.2 |
| 7. Melanoma and skin carcinomas | 652 | 1.9 | 0.4 | 179 | 1.9 | 0.4 |
| 8. Carcinomas (excluding skin) | 1,847 | 5.2 | 2.0* | 633 | 6.6 | 7.3* |
| 9. Miscellaneous specified neoplasms, NOS | 128 | 0.4 | - | 38 | 0.4 | - |
| 10. Unspecified malignant neoplasms | 31 | 0.1 | - | - | - | - |

Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

^b Adapted from: RD Barr, EJ Holowaty, JM Birch. Classification Scheme for tumors diagnosed in adolescents and young adults. Cancer. 106:7; 1425-1430. (Restricted to malignant tumors and updated based on ICD-O-3 definitions).

^c The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint over the time range of 1975-2013.

- Statistic could not be calculated. Count and rate based on less than 16 cases for the time interval. AAPC could not be calculated due to insufficient data.

* The AAPC is significantly different from zero (p<.05).