

Table 32.10

Age-Adjusted SEER Incidence^a, by Year and Sex
By Adapted Classification Scheme for Tumors of Adolescents and Young Adults^b
All Races, Ages 30-34

| Both Sexes | 1975-2011 | | | 2002-2011 | | |
|---|-----------|------|-------------------|-----------|------|-------------------|
| | No. | Rate | AAPC ^c | No. | Rate | AAPC ^c |
| All Sites Combined | 62,104 | 85.1 | 0.9* | 17,850 | 91.0 | 1.1* |
| 1. Leukemias | 2,066 | 2.8 | 0.5* | 609 | 3.1 | 0.5* |
| 2. Lymphomas | 6,826 | 9.4 | 1.6* | 1,872 | 9.5 | 1.0 |
| 3. CNS, intracranial, intraspinal | 2,458 | 3.4 | 0.4 | 700 | 3.6 | 0.4 |
| 4. Osseous & chondromatous neoplasms | 462 | 0.6 | 0.6 | 134 | 0.7 | 0.6 |
| 5. Soft tissue sarcomas | 5,037 | 6.9 | 1.3 | 737 | 3.8 | -1.0 |
| 6. Germ cell and trophoblastic neoplasms | 5,157 | 7.1 | 1.8* | 1,580 | 8.1 | 0.5 |
| 7. Melanoma and skin carcinomas | 7,922 | 10.9 | 1.6* | 2,339 | 11.9 | -0.1 |
| 8. Carcinomas (excluding skin) | 31,200 | 42.8 | 0.6* | 9,547 | 48.6 | 1.9* |
| 9. Miscellaneous specified neoplasms, NOS | 669 | 0.9 | 1.9* | 238 | 1.2 | 1.9* |
| 10. Unspecified malignant neoplasms | 306 | 0.4 | 1.0 | 93 | 0.5 | 1.0 |

| Males | 1975-2011 | | | 2002-2011 | | |
|---|-----------|------|-------------------|-----------|------|-------------------|
| | No. | Rate | AAPC ^c | No. | Rate | AAPC ^c |
| All Sites Combined | 25,804 | 70.7 | 0.9* | 6,790 | 68.9 | 0.9* |
| 1. Leukemias | 1,205 | 3.3 | 0.8* | 352 | 3.6 | 0.8* |
| 2. Lymphomas | 4,239 | 11.6 | 1.2 | 1,063 | 10.8 | 1.8 |
| 3. CNS, intracranial, intraspinal | 1,430 | 3.9 | 0.2 | 403 | 4.1 | 0.2 |
| 4. Osseous & chondromatous neoplasms | 254 | 0.7 | 0.4 | 69 | 0.7 | 0.4 |
| 5. Soft tissue sarcomas | 4,059 | 11.1 | 1.2 | 457 | 4.6 | -2.8* |
| 6. Germ cell and trophoblastic neoplasms | 4,821 | 13.2 | 1.8* | 1,488 | 15.1 | 0.5 |
| 7. Melanoma and skin carcinomas | 3,180 | 8.7 | 0.1 | 890 | 9.0 | 0.1 |
| 8. Carcinomas (excluding skin) | 6,247 | 17.1 | 0.6* | 1,935 | 19.6 | 2.5* |
| 9. Miscellaneous specified neoplasms, NOS | 262 | 0.7 | 2.4* | 103 | 1.0 | 2.4* |
| 10. Unspecified malignant neoplasms | 107 | 0.3 | - | 30 | 0.3 | - |

| Females | 1975-2011 | | | 2002-2011 | | |
|---|-----------|------|-------------------|-----------|-------|-------------------|
| | No. | Rate | AAPC ^c | No. | Rate | AAPC ^c |
| All Sites Combined | 36,300 | 99.5 | 0.7* | 11,060 | 113.2 | 1.5* |
| 1. Leukemias | 861 | 2.4 | 0.1 | 257 | 2.6 | 0.1 |
| 2. Lymphomas | 2,587 | 7.1 | 1.3* | 809 | 8.3 | 1.3* |
| 3. CNS, intracranial, intraspinal | 1,028 | 2.8 | 0.5 | 297 | 3.0 | 0.5 |
| 4. Osseous & chondromatous neoplasms | 208 | 0.6 | - | 65 | 0.7 | - |
| 5. Soft tissue sarcomas | 978 | 2.7 | 0.4 | 280 | 2.9 | 0.4 |
| 6. Germ cell and trophoblastic neoplasms | 336 | 0.9 | 0.2 | 92 | 0.9 | 0.2 |
| 7. Melanoma and skin carcinomas | 4,742 | 13.0 | 2.2* | 1,449 | 14.8 | 1.0* |
| 8. Carcinomas (excluding skin) | 24,953 | 68.4 | 0.6* | 7,612 | 77.9 | 1.7* |
| 9. Miscellaneous specified neoplasms, NOS | 407 | 1.1 | 1.7* | 135 | 1.4 | 1.7* |
| 10. Unspecified malignant neoplasms | 199 | 0.5 | - | 63 | 0.6 | - |

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 1975-2011.

- 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).