Table 13.2
Leukemia

Trends in SEER Incidence[a][b] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2011 With up to Five Joinpoints, 1992-2011 With up to Three Joinpoints,
Males by Race/Ethnicity

| | JP Trend 1 | | JP Trend 2 | | JP Trend 3 | | JP Trend 4 | | JP Trend 5 | | JP Trend 6 | | AAPC[d] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2002-11 | 2007-11 |
| **SEER 9 Delay-Adjusted Incidence[a], 1975-2011** | | | | | | | | | | | | | | |
| All Races | 1975-09 | 0.2* | 2009-11 | 4.9 | | | | | | | | | 1.2 | 2.5 |
| White | 1975-96 | 0.1 | 1996-11 | 0.8* | | | | | | | | | 0.8* | 0.8* |
| Black | 1975-11 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| **SEER 13 Delay-Adjusted Incidence[b], 1992-2011** | | | | | | | | | | | | | | |
| All Races | 1992-06 | 0.2 | 2006-11 | 1.6* | | | | | | | | | 0.9* | 1.6* |
| White | 1992-11 | 0.6* | | | | | | | | | | | 0.6* | 0.6* |
| Black | 1992-11 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| **SEER 9 Observed Incidence[a], 1975-2011** | | | | | | | | | | | | | | |
| All Races | 1975-11 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| White | 1975-11 | 0.1* | | | | | | | | | | | 0.1* | 0.1* |
| Black | 1975-11 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| **SEER 13 Observed Incidence[b], 1992-2011** | | | | | | | | | | | | | | |
| All Races | 1992-11 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| White | 1992-11 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| White NH[e][f] | 1992-11 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| Black | 1992-11 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| Black NH[e][f] | 1992-11 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| API[e] | 1992-11 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| AI/AN[e][g] | 1992-11 | 1.5 | | | | | | | | | | | 1.5 | 1.5 |
| Hispanic[f] | 1992-11 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| **U.S. Cancer Mortality[c], 1975-2011** | | | | | | | | | | | | | | |
| All Races | 1975-80 | 0.5 | 1980-87 | -0.7* | 1987-95 | 0.1 | 1995-11 | -0.9* | | | | | -0.9* | -0.9* |
| White | 1975-80 | 0.4 | 1980-87 | -0.8* | 1987-95 | 0.2 | 1995-11 | -0.8* | | | | | -0.8* | -0.8* |
| Black | 1975-91 | 1.0* | 1991-11 | -1.2* | | | | | | | | | -1.2* | -1.2* |
| **U.S. Cancer Mortality[c], 1992-2011** | | | | | | | | | | | | | | |
| All Races | 1992-11 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| White | 1992-11 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| White NH[e][f] | 1992-11 | -0.6* | | | | | | | | | | | -0.6* | -0.6* |
| Black | 1992-11 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| Black NH[e][f] | 1992-11 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| API[e] | 1992-11 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| AI/AN[e][g] | 1992-11 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| Hispanic[f] | 1992-11 | -0.6* | | | | | | | | | | | -0.6* | -0.6* |

Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute. (http://surveillance.cancer.gov/joinpoint/).
The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
[a]  Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
[b]  Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
[c]  Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d]  The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e]  API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f]  Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska
     Natives.  Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
     The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
[g]  Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
*   The APC/AAPC is significantly different from zero (p<.05).
−   Joinpoint regression line analysis could not be performed on data series.