

Table 13.14
Leukemia

5-Year Relative and Period Survival (Percent) by Race, Sex, Diagnosis Year and Age

| | All Races | | | Whites | | | Blacks | | |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| 5-Year Relative Survival (Percent) | | | | | | | | | |
| Year of Diagnosis: | | | | | | | | | |
| 1960-1963 ^a | - | - | - | 14 | - | - | - | - | - |
| 1970-1973 ^a | - | - | - | 22 | - | - | - | - | - |
| 1975-1977 ^b | 34.2 | 33.0 | 35.6 | 34.6 | 33.5 | 35.8 | 33.4 | 30.4 | 36.7 |
| 1978-1980 ^b | 36.0 | 35.0 | 37.4 | 36.7 | 35.7 | 38.1 | 28.2 | 27.3 | 29.3 |
| 1981-1983 ^b | 37.3 | 36.9 | 37.8 | 38.1 | 37.7 | 38.5 | 33.9 | 33.4 | 34.3 |
| 1984-1986 ^b | 40.5 | 40.1 | 41.1 | 41.6 | 41.3 | 42.0 | 32.7 | 31.5 | 34.1 |
| 1987-1989 ^b | 42.9 | 44.0 | 41.3 | 43.9 | 45.5 | 41.8 | 35.0 | 32.7 | 37.8 |
| 1990-1992 ^b | 45.2 | 44.6 | 46.0 | 46.5 | 46.3 | 46.8 | 35.7 | 30.5 | 41.3 |
| 1993-1995 ^b | 47.6 | 48.5 | 46.4 | 48.7 | 49.6 | 47.5 | 41.3 | 41.6 | 40.9 |
| 1996-1998 ^b | 48.4 | 48.7 | 48.1 | 49.8 | 49.8 | 49.9 | 38.6 | 39.0 | 38.0 |
| 1999-2001 ^b | 51.0 | 52.0 | 49.7 | 52.1 | 53.1 | 50.8 | 43.9 | 45.1 | 42.5 |
| 2002-2004 ^b | 58.3 | 58.4 | 58.1 | 59.1 | 59.4 | 58.8 | 53.9 | 54.5 | 53.1 |
| 2005-2009 ^b | 62.7 | 64.0 | 60.9 | 63.9 | 64.9 | 62.4 | 56.0 | 59.7 | 51.2 |
| 2010-2016 ^b | 66.4 ^e | 67.6 ^e | 64.8 ^e | 67.3 ^e | 68.3 ^e | 65.9 ^e | 62.5 ^e | 64.2 ^e | 60.7 ^e |
| 5-Year Period Survival (Percent) ^{cd} | | | | | | | | | |
| 2016 | 64.3 | 65.2 | 63.1 | 64.5 | 64.8 | 64.0 | 60.6 | 64.1 | 56.7 |
| 5-Year Relative Survival (Percent), 2010-2016 ^c | | | | | | | | | |
| Age at Diagnosis: | | | | | | | | | |
| Ages <45 | 76.8 | 76.5 | 77.3 | 77.8 | 76.9 | 78.9 | 69.4 | 69.3 | 69.5 |
| Ages 45-54 | 73.3 | 74.9 | 71.0 | 74.3 | 75.6 | 72.2 | 66.9 | 69.6 | 63.2 |
| Ages 55-64 | 70.4 | 71.2 | 69.2 | 71.7 | 71.9 | 71.4 | 59.6 | 64.2 | 53.1 |
| Ages 65-74 | 62.1 | 62.3 | 61.8 | 62.5 | 62.2 | 63.0 | 57.1 | 59.8 | 53.4 |
| Ages 75+ | 43.0 | 42.8 | 43.1 | 43.5 | 42.9 | 44.3 | 35.9 | 40.3 | 32.5 |
| Ages <65 | 73.8 | 74.1 | 73.3 | 74.8 | 74.7 | 74.9 | 65.6 | 67.6 | 63.1 |
| Ages 65+ | 51.9 | 52.8 | 50.8 | 52.3 | 52.7 | 51.9 | 47.5 | 52.4 | 42.9 |

^a Based on End Results data from a series of hospital registries and one population-based registry.

^b SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Based on follow-up of patients into 2017. [Expected survival rates](#) are derived from the U.S. Annual Life Tables.

^c SEER 18 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 and Georgia excluding ATL/RG). Expected survival rates are derived from life tables by socio-economic status, geography and race developed by the SEER program.

^d Based on follow-up of patients into 2017.

Period survival provides a 2016 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2010-2012: 0-1 year survival), (2009-2011: 1-2 year survival), (2008-2010: 2-3 year survival), (2007-2009: 3-4 year survival), (2006-2008: 4-5 years survival).

^e The difference between 1975-1977 and 2010-2016 is statistically significant ($p < .05$).

^f The standard error is between 5 and 10 percentage points.

^g The standard error is greater than 10 percentage points.

- Statistic could not be calculated due to fewer than 25 cases during the time period.