

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 <sup>a</sup>                                     | -                 | -                 | -                 | 14                | -                 | -                 | -                 | -                 | -                 |
| 1970-1973 <sup>a</sup>                                     | -                 | -                 | -                 | 22                | -                 | -                 | -                 | -                 | -                 |
| 1975-1977 <sup>b</sup>                                     | 34.1              | 33.0              | 35.6              | 34.5              | 33.6              | 35.8              | 33.4              | 30.4              | 36.7              |
| 1978-1980 <sup>b</sup>                                     | 36.0              | 35.0              | 37.3              | 36.7              | 35.8              | 38.0              | 28.2              | 27.3              | 29.3              |
| 1981-1983 <sup>b</sup>                                     | 37.3              | 36.9              | 37.8              | 38.1              | 37.8              | 38.5              | 33.9              | 33.4              | 34.3              |
| 1984-1986 <sup>b</sup>                                     | 40.5              | 40.1              | 41.1              | 41.6              | 41.3              | 42.0              | 32.7              | 31.5              | 34.1              |
| 1987-1989 <sup>b</sup>                                     | 42.9              | 44.0              | 41.3              | 43.9              | 45.5              | 41.7              | 35.0              | 32.7              | 37.8              |
| 1990-1992 <sup>b</sup>                                     | 45.2              | 44.6              | 46.0              | 46.4              | 46.2              | 46.8              | 35.7              | 30.5              | 41.3              |
| 1993-1995 <sup>b</sup>                                     | 47.5              | 48.4              | 46.4              | 48.6              | 49.4              | 47.5              | 41.3              | 41.6              | 40.9              |
| 1996-1998 <sup>b</sup>                                     | 48.3              | 48.5              | 48.0              | 49.6              | 49.6              | 49.7              | 38.6              | 39.0              | 38.0              |
| 1999-2001 <sup>b</sup>                                     | 50.9              | 51.9              | 49.5              | 52.0              | 52.9              | 50.6              | 43.3              | 44.5              | 41.9              |
| 2002-2006 <sup>b</sup>                                     | 59.5              | 59.9              | 58.9              | 60.4              | 60.8              | 59.8              | 53.3              | 55.3              | 50.8              |
| 2007-2013 <sup>b</sup>                                     | 63.7 <sup>e</sup> | 65.2 <sup>e</sup> | 61.7 <sup>e</sup> | 64.8 <sup>e</sup> | 66.0 <sup>e</sup> | 63.0 <sup>e</sup> | 57.8 <sup>e</sup> | 59.0 <sup>e</sup> | 56.1 <sup>e</sup> |
| 5-Year Period Survival (Percent) <sup>cd</sup>             |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 2013   | 61.8              | 62.8              | 60.4              | 62.2              | 62.9              | 61.1              | 55.6              | 57.7              | 53.1              |
| 5-Year Relative Survival (Percent), 2007-2013 <sup>c</sup> |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| Age at Diagnosis:  |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| Ages <45   | 74.8              | 74.4              | 75.4              | 75.8              | 75.0              | 76.9              | 66.8              | 66.7              | 66.9              |
| Ages 45-54   | 69.5              | 70.8              | 67.6              | 71.1              | 72.0              | 69.7              | 58.8              | 60.2              | 56.7              |
| Ages 55-64   | 68.1              | 69.1              | 66.4              | 69.1              | 70.0              | 67.5              | 56.9              | 56.2              | 57.3              |
| Ages 65-74   | 58.2              | 58.4              | 57.8              | 58.8              | 58.7              | 59.0              | 51.4              | 52.0              | 50.5              |
| Ages 75+   | 39.7              | 39.8              | 39.6              | 40.6              | 40.4              | 40.7              | 31.0              | 32.3              | 29.9              |
| Ages <65   | 71.4              | 71.7              | 70.9              | 72.4              | 72.5              | 72.3              | 62.0              | 62.0              | 61.9              |
| Ages 65+   | 47.8              | 48.7              | 46.7              | 48.4              | 49.1              | 47.6              | 41.6              | 43.3              | 39.8              |

<sup>a</sup> Based on End Results data from a series of hospital registries and one population-based registry.<sup>b</sup> SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Based on follow-up of patients into 2014.

<sup>c</sup> 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).

Based on follow-up of patients into 2014.

<sup>d</sup> Period survival provides a 2013 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).

<sup>e</sup> The difference between 1975-1977 and 2007-2013 is statistically significant (p<.05).<sup>f</sup> The standard error is between 5 and 10 percentage points.<sup>g</sup> The standard error is greater than 10 percentage points.

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