

Table 13.16  
Myeloid 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           |
| <u>Acute Myeloid Leukemia</u>                              |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| 5-Year Relative Survival (Percent)                         |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| Year of Diagnosis:                                         |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| 1975-1977 <sup>a</sup>                                     | 6.2               | 5.5               | 7.0               | 5.8               | 5.4               | 6.2               | 10.1              | 8.2                | 11.7              |
| 1978-1980 <sup>a</sup>                                     | 7.6               | 6.9               | 8.4               | 7.1               | 6.1               | 8.3               | 8.8               | 5.1                | 12.6              |
| 1981-1983 <sup>a</sup>                                     | 8.4               | 7.2               | 9.8               | 7.7               | 6.4               | 9.3               | 12.1              | 15.3 <sup>e</sup>  | 9.0               |
| 1984-1986 <sup>a</sup>                                     | 10.6              | 9.2               | 12.3              | 10.2              | 8.9               | 11.8              | 9.8               | 6.7                | 12.9              |
| 1987-1989 <sup>a</sup>                                     | 11.4              | 9.1               | 14.1              | 11.3              | 9.6               | 13.2              | 9.2               | 4.4                | 15.7 <sup>e</sup> |
| 1990-1992 <sup>a</sup>                                     | 13.7              | 12.5              | 15.1              | 13.4              | 12.2              | 14.8              | 13.5              | 12.9               | 13.9              |
| 1993-1995 <sup>a</sup>                                     | 16.2              | 14.9              | 17.5              | 15.4              | 14.2              | 16.8              | 21.5              | 20.6 <sup>e</sup>  | 22.0              |
| 1996-1998 <sup>b</sup>                                     | 16.9              | 15.9              | 18.1              | 15.6              | 14.3              | 17.1              | 21.9              | 25.2               | 18.0              |
| 1999-2002 <sup>a</sup>                                     | 19.9              | 18.9              | 21.2              | 19.6              | 17.9              | 21.6              | 20.0              | 24.8               | 15.5              |
| 2003-2009 <sup>a</sup>                                     | 24.9 <sup>d</sup> | 23.0 <sup>d</sup> | 26.9 <sup>d</sup> | 24.3 <sup>d</sup> | 22.4 <sup>d</sup> | 26.2 <sup>d</sup> | 25.0 <sup>d</sup> | 24.2 <sup>d</sup>  | 25.7 <sup>d</sup> |
| 5-Year Period Survival (Percent) <sup>bc</sup>             |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| 2009                                                       | 25.7              | 24.2              | 27.3              | 24.9              | 23.4              | 26.7              | 25.6              | 24.9               | 26.1              |
| 5-Year Relative Survival (Percent), 2003-2009 <sup>b</sup> |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| Age at Diagnosis:                                          |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| Ages <45                                                   | 54.9              | 52.9              | 56.9              | 55.4              | 53.7              | 57.2              | 47.9              | 45.4               | 50.6              |
| Ages 45-54                                                 | 38.2              | 35.5              | 41.4              | 39.8              | 37.4              | 42.6              | 31.3              | 25.6 <sup>e</sup>  | 35.8 <sup>e</sup> |
| Ages 55-64                                                 | 25.1              | 22.6              | 28.3              | 24.9              | 22.7              | 28.0              | 20.5              | 17.7               | 23.6              |
| Ages 65-74                                                 | 10.8              | 8.9               | 13.3              | 11.0              | 9.0               | 13.7              | 9.5               | 7.0                | 11.8              |
| Ages 75+                                                   | 1.8               | 1.5               | 2.2               | 1.9               | 1.6               | 2.2               | 0.6               | 0.0                | 0.9               |
| Ages <65                                                   | 41.6              | 38.8              | 45.1              | 41.6              | 38.9              | 45.0              | 37.4              | 34.3               | 40.7              |
| Ages 65+                                                   | 5.4               | 4.8               | 6.2               | 5.5               | 4.8               | 6.3               | 4.7               | 4.1                | 4.9               |
| <u>Chronic Myeloid Leukemia</u>                            |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| 5-Year Relative Survival (Percent)                         |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| Year of Diagnosis:                                         |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| 1975-1977 <sup>a</sup>                                     | 21.7              | 19.3              | 25.0              | 20.5              | 18.4              | 23.3              | 27.7 <sup>e</sup> | 21.6 <sup>e</sup>  | 35.5 <sup>e</sup> |
| 1978-1980 <sup>a</sup>                                     | 23.4              | 23.0              | 23.8              | 23.6              | 23.7              | 23.5              | 21.4 <sup>e</sup> | 20.6 <sup>e</sup>  | 22.7 <sup>e</sup> |
| 1981-1983 <sup>a</sup>                                     | 28.2              | 24.5              | 32.5              | 28.3              | 25.1              | 32.0              | 29.7              | 20.8 <sup>e</sup>  | 40.1 <sup>e</sup> |
| 1984-1986 <sup>a</sup>                                     | 22.4              | 20.2              | 25.5              | 22.9              | 20.2              | 26.7              | 21.4              | 20.3 <sup>e</sup>  | 22.2 <sup>e</sup> |
| 1987-1989 <sup>a</sup>                                     | 30.4              | 30.7              | 30.0              | 30.4              | 31.3              | 29.4              | 33.3 <sup>e</sup> | 28.1 <sup>e</sup>  | 41.3 <sup>e</sup> |
| 1990-1992 <sup>a</sup>                                     | 30.6              | 29.5              | 31.9              | 30.1              | 29.9              | 30.4              | 34.9 <sup>e</sup> | 25.5 <sup>e</sup>  | 44.9 <sup>e</sup> |
| 1993-1995 <sup>a</sup>                                     | 35.3              | 35.0              | 35.5              | 35.0              | 34.9              | 35.0              | 35.3 <sup>e</sup> | 33.2 <sup>e</sup>  | 38.5 <sup>e</sup> |
| 1996-1998 <sup>b</sup>                                     | 36.9              | 37.7              | 35.7              | 37.9              | 37.7              | 38.1              | 28.3              | 27.6 <sup>e</sup>  | 28.9 <sup>e</sup> |
| 1999-2002 <sup>a</sup>                                     | 47.6              | 46.1              | 49.6              | 45.8              | 44.1              | 48.0              | 52.1              | 54.8 <sup>e</sup>  | 48.5 <sup>e</sup> |
| 2003-2009 <sup>a</sup>                                     | 58.6 <sup>d</sup> | 57.4 <sup>d</sup> | 60.4 <sup>d</sup> | 57.4 <sup>d</sup> | 56.1 <sup>d</sup> | 59.5 <sup>d</sup> | 59.3 <sup>d</sup> | 61.0 <sup>de</sup> | 56.6 <sup>e</sup> |
| 5-Year Period Survival (Percent) <sup>bc</sup>             |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| 2009                                                       | 62.7              | 61.8              | 63.9              | 61.1              | 60.2              | 62.4              | 64.8              | 62.3               | 67.2              |
| 5-Year Relative Survival (Percent), 2003-2009 <sup>b</sup> |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| Age at Diagnosis:                                          |                   |                   |                   |                   |                   |                   |                   |                    |                   |
| Ages <45                                                   | 85.8              | 85.2              | 86.9              | 87.4              | 86.0              | 89.4              | 74.6              | 76.5               | 71.9              |
| Ages 45-54                                                 | 80.5              | 78.3              | 83.5              | 80.2              | 79.3              | 81.5              | 77.5              | 70.9 <sup>e</sup>  | 84.3 <sup>e</sup> |
| Ages 55-64                                                 | 68.0              | 66.7              | 70.1              | 68.1              | 66.8              | 70.6              | 62.6              | 63.2 <sup>e</sup>  | 61.0 <sup>e</sup> |
| Ages 65-74                                                 | 49.4              | 45.5              | 55.8              | 49.0              | 45.4              | 54.8              | 39.4 <sup>e</sup> | 31.6 <sup>e</sup>  | 53.1 <sup>f</sup> |
| Ages 75+                                                   | 28.8              | 26.8              | 31.0              | 28.8              | 26.7              | 31.1              | 31.4 <sup>e</sup> | 24.2 <sup>e</sup>  | 37.0 <sup>f</sup> |
| Ages <65                                                   | 79.1              | 77.7              | 81.2              | 79.4              | 78.0              | 81.7              | 71.9              | 71.7               | 72.2              |
| Ages 65+                                                   | 37.4              | 35.4              | 39.9              | 37.0              | 35.1              | 39.3              | 35.1 <sup>e</sup> | 27.4 <sup>e</sup>  | 43.9 <sup>e</sup> |

<sup>a</sup> SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).<sup>b</sup> Based on follow-up of patients into 2010.<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).<sup>d</sup> Based on follow-up of patients into 2010.<sup>e</sup> Period survival provides a 2009 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2007-2009: 0-1 year survival),<sup>f</sup> (2006-2008: 1-2 year survival), (2005-2007: 2-3 year survival), (2004-2006: 3-4 year survival), (2003-2005: 4-5 years survival).

The difference between 1975-1977 and 2003-2009 is statistically significant (p&lt;.05).

The standard error is between 5 and 10 percentage points.

The standard error is greater than 10 percentage points.

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