

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	12.6	15.1	13.4	12.2	14.9	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	18.2	15.6	14.4	17.1	22.1	25.2	18.2
1999-2003 <sup>a</sup>	20.5	19.2	22.1	20.2	18.4	22.2	21.4	26.2	16.3
2004-2010 <sup>a</sup>	25.4 <sup>d</sup>	24.5 <sup>d</sup>	26.4 <sup>d</sup>	24.9 <sup>d</sup>	23.9 <sup>d</sup>	26.0 <sup>d</sup>	24.8 <sup>d</sup>	24.2 <sup>d</sup>	25.4 <sup>d</sup>
5-Year Period Survival (Percent) <sup>bc</sup>									
2010	25.8	24.7	27.1	24.9	23.8	26.1	27.8	28.5	27.3
5-Year Relative Survival (Percent), 2004-2010 <sup>b</sup>									
Age at Diagnosis:									
Ages <45	55.6	54.1	57.2	56.6	55.2	58.2	46.7	43.0	50.1
Ages 45-54	39.0	36.0	42.5	39.5	36.7	42.8	37.4	33.9 <sup>e</sup>	41.2 <sup>e</sup>
Ages 55-64	27.1	25.6	29.1	27.4	25.5	29.9	20.6	19.6	21.0
Ages 65-74	11.1	10.1	12.3	11.2	10.0	12.7	9.3	7.2	10.8
Ages 75+	1.8	1.6	1.9	1.8	1.8	1.8	1.0	0.0	1.2
Ages <65	42.8	40.3	45.8	42.9	40.3	46.1	38.3	35.4	41.0
Ages 65+	5.6	5.4	5.7	5.6	5.4	5.7	5.1	4.7	5.2
<u>Chronic Myeloid Leukemia</u>									
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1975-1977 <sup>a</sup>	21.8	19.3	25.1	20.5	18.4	23.4	27.7 <sup>e</sup>	21.6 <sup>e</sup>	35.5 <sup>e</sup>
1978-1980 <sup>a</sup>	23.3	23.0	23.8	23.5	23.6	23.5	21.4 <sup>e</sup>	20.6 <sup>e</sup>	22.7 <sup>e</sup>
1981-1983 <sup>a</sup>	28.3	24.6	32.5	28.4	25.2	32.0	29.7	20.8 <sup>e</sup>	40.1 <sup>e</sup>
1984-1986 <sup>a</sup>	22.4	20.2	25.6	22.9	20.2	26.8	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>	30.7	29.6	32.2	30.3	30.0	30.6	34.9 <sup>e</sup>	25.5 <sup>e</sup>	44.9 <sup>e</sup>
1993-1995 <sup>a</sup>	35.3	35.0	35.7	35.0	34.9	35.2	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	38.0	28.3	27.6 <sup>e</sup>	28.9 <sup>e</sup>
1999-2003 <sup>a</sup>	49.3	48.1	51.0	47.9	46.4	50.0	52.3	54.8 <sup>e</sup>	49.0 <sup>e</sup>
2004-2010 <sup>a</sup>	59.9 <sup>d</sup>	59.0 <sup>d</sup>	61.3 <sup>d</sup>	58.7 <sup>d</sup>	57.7 <sup>d</sup>	60.3 <sup>d</sup>	61.2 <sup>d</sup>	62.8 <sup>de</sup>	58.8 <sup>e</sup>
5-Year Period Survival (Percent) <sup>bc</sup>									
2010	63.4	61.9	65.7	62.0	60.4	64.3	67.1	64.6	69.6
5-Year Relative Survival (Percent), 2004-2010 <sup>b</sup>									
Age at Diagnosis:									
Ages <45	86.4	85.5	87.8	87.8	86.7	89.1	75.3	74.2	76.6
Ages 45-54	81.8	80.0	84.3	81.7	81.4	82.0	78.4	71.1 <sup>e</sup>	86.0 <sup>e</sup>
Ages 55-64	70.1	67.4	74.5	70.2	67.8	74.4	66.6	63.9 <sup>e</sup>	69.0 <sup>e</sup>
Ages 65-74	50.8	47.3	56.3	50.1	46.4	56.0	52.2 <sup>e</sup>	54.7 <sup>f</sup>	49.6 <sup>f</sup>
Ages 75+	26.8	25.9	27.8	26.5	25.0	28.2	27.0 <sup>e</sup>	21.9 <sup>e</sup>	27.4 <sup>f</sup>
Ages <65	80.2	78.4	82.9	80.5	79.1	82.8	73.5	70.6	76.7
Ages 65+	37.1	35.9	38.7	36.5	34.9	38.5	39.2 <sup>e</sup>	40.6 <sup>e</sup>	37.7 <sup>e</sup>

<sup>a</sup> SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).  
Based on follow-up of patients into 2011.

<sup>b</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 2011.

<sup>c</sup> Period survival provides a 2010 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), (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 2004-2010 is statistically significant (p<.05).

<sup>d</sup> The standard error is between 5 and 10 percentage points.

<sup>e</sup> The standard error is greater than 10 percentage points.

<sup>f</sup> -  
Statistic could not be calculated due to fewer than 25 cases during the time period.