

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	34.1	33.0	35.6	34.5	33.6	35.8	33.4	30.4	36.7
1978-1980 ^b	36.0	35.0	37.3	36.7	35.8	38.0	28.2	27.3	29.3
1981-1983 ^b	37.3	36.9	37.8	38.1	37.8	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	46.1	46.5	46.3	46.8	35.7	30.5	41.3
1993-1995 ^b	47.6	48.4	46.4	48.7	49.5	47.5	41.3	41.6	40.9
1996-1998 ^b	48.4	48.6	48.1	49.8	49.7	49.8	38.6	39.0	38.0
1999-2001 ^b	51.0	52.0	49.5	52.0	53.0	50.7	43.7	45.1	42.1
2002-2004 ^b	58.3	58.4	58.1	59.1	59.4	58.8	54.0	54.3	53.4
2005-2008 ^b	62.3	63.5	60.7	63.3	64.3	62.0	56.0	59.9	51.1
2009-2015 ^b	65.8 ^e	67.3 ^e	63.7 ^e	66.8 ^e	68.2 ^e	64.9 ^e	59.6 ^e	60.9 ^e	58.2 ^e
5-Year Period Survival (Percent) ^{cd}									
2015	63.2	64.3	61.9	63.4	64.0	62.4	58.2	61.7	54.4
5-Year Relative Survival (Percent), 2009-2015 ^c									
Age at Diagnosis:									
Ages <45	76.2	75.8	76.8	77.3	76.4	78.6	67.7	67.7	67.7
Ages 45-54	72.2	73.7	69.8	73.5	74.6	71.6	62.8	66.2	58.6
Ages 55-64	69.3	69.9	68.3	70.4	70.7	69.8	58.9	60.5	56.6
Ages 65-74	61.0	61.0	61.1	61.4	61.0	62.0	54.1	55.3	52.3
Ages 75+	42.1	42.4	41.7	42.7	42.8	42.5	33.7	35.7	31.6
Ages <65	72.9	73.1	72.5	73.9	73.8	74.1	63.7	65.0	62.1
Ages 65+	50.8	51.7	49.6	51.1	51.8	50.2	44.6	47.4	41.5

^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 2016. [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 2016.

Period survival provides a 2015 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 2009-2015 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.