

Table 13.15  
Lymphocytic 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 Lymphocytic Leukemia</u>									
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1975-1977 <sup>a</sup>	40.6	36.9	45.6	40.8	37.4	45.7	33.5 <sup>e</sup>	-	-
...									
1987-1989 <sup>a</sup>	54.4	53.7	55.2	55.0	54.8	55.3	44.7 <sup>e</sup>	42.0 <sup>e</sup>	47.1 <sup>e</sup>
1990-1992 <sup>a</sup>	58.0	54.5	63.1	57.7	54.9	62.0	57.1 <sup>e</sup>	50.4 <sup>e</sup>	63.3 <sup>e</sup>
1993-1995 <sup>a</sup>	60.2	57.8	63.5	59.8	57.8	62.6	53.2 <sup>e</sup>	45.9 <sup>e</sup>	63.8 <sup>e</sup>
1996-1998 <sup>a</sup>	65.5	64.4	66.9	66.4	64.3	69.1	55.6 <sup>e</sup>	59.1 <sup>e</sup>	50.2 <sup>e</sup>
1999-2001 <sup>a</sup>	63.5	63.4	63.7	64.8	65.2	64.3	56.6 <sup>e</sup>	50.3 <sup>e</sup>	63.0 <sup>e</sup>
2002-2004 <sup>a</sup>	67.3	66.2	68.8	67.6	66.6	69.0	64.5 <sup>e</sup>	59.4 <sup>e</sup>	69.7 <sup>e</sup>
2005-2009 <sup>a</sup>	69.9	69.0	71.2	70.8	69.3	72.8	62.6	67.6	53.0 <sup>e</sup>
2010-2016 <sup>a</sup>	72.1 <sup>d</sup>	72.6 <sup>d</sup>	71.6 <sup>d</sup>	71.9 <sup>d</sup>	72.9 <sup>d</sup>	70.8 <sup>d</sup>	66.4 <sup>d</sup>	64.0	69.1
5-Year Period Survival (Percent) <sup>bc</sup>									
2016	69.0	68.1	70.1	68.4	66.8	70.6	67.5	67.6	67.0
5-Year Relative Survival (Percent), 2010-2016 <sup>b</sup>									
Age at Diagnosis:									
Ages <45	80.7	79.4	82.4	80.6	78.9	83.0	77.1	76.0	78.6
Ages 45-54	39.0	37.7	40.8	37.2	36.9	38.0	34.9 <sup>e</sup>	-	-
Ages 55-64	31.5	32.5	30.5	32.3	33.0	31.4	22.1 <sup>e</sup>	28.2 <sup>e</sup>	13.7 <sup>e</sup>
Ages 65-74	24.1	19.3	28.6	24.1	18.0	30.0	-	-	-
Ages 75+	11.1	10.0	12.0	11.1	9.0	12.9	-	-	-
Ages <65	73.5	72.8	74.5	73.4	72.3	74.8	68.5	67.8	69.3
Ages 65+	18.3	15.5	20.7	18.5	14.4	22.4	12.8 <sup>e</sup>	-	11.6 <sup>e</sup>
<u>Chronic Lymphocytic Leukemia</u>									
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1975-1977 <sup>a</sup>	67.1	64.7	70.4	67.9	65.3	71.3	56.9 <sup>e</sup>	55.1 <sup>e</sup>	59.0 <sup>e</sup>
...									
1987-1989 <sup>a</sup>	72.7	72.6	72.7	73.8	74.0	73.5	58.1	55.5 <sup>e</sup>	61.5 <sup>e</sup>
1990-1992 <sup>a</sup>	74.1	71.8	77.3	75.3	73.2	78.4	52.2	43.4 <sup>e</sup>	60.9 <sup>e</sup>
1993-1995 <sup>a</sup>	77.2	77.1	77.3	78.4	78.2	78.6	63.3	64.0 <sup>e</sup>	62.1 <sup>e</sup>
1996-1998 <sup>a</sup>	75.6	74.0	77.7	76.7	75.3	78.6	58.1	51.5 <sup>e</sup>	66.0 <sup>e</sup>
1999-2001 <sup>a</sup>	78.7	78.2	79.4	79.5	79.0	80.5	66.8	65.5 <sup>e</sup>	67.1 <sup>e</sup>
2002-2004 <sup>a</sup>	84.0	83.1	85.1	84.4	83.6	85.6	77.0	74.2 <sup>e</sup>	80.7 <sup>e</sup>
2005-2009 <sup>a</sup>	86.3	86.3	86.4	86.6	86.6	86.8	84.3	85.7	81.8
2010-2016 <sup>a</sup>	88.6 <sup>d</sup>	88.6 <sup>d</sup>	88.8 <sup>d</sup>	89.0 <sup>d</sup>	88.6 <sup>d</sup>	89.6 <sup>d</sup>	81.2 <sup>d</sup>	83.2 <sup>d</sup>	78.5
5-Year Period Survival (Percent) <sup>bc</sup>									
2016	87.0	86.8	87.3	86.6	85.9	87.5	82.4	86.7	76.5
5-Year Relative Survival (Percent), 2010-2016 <sup>b</sup>									
Age at Diagnosis:									
Ages <45	93.7	92.3	95.8	94.5	93.6	95.4	87.8 <sup>e</sup>	84.5 <sup>e</sup>	-
Ages 45-54	94.0	94.1	93.7	94.5	94.3	94.8	85.6	88.3	80.3 <sup>e</sup>
Ages 55-64	92.7	92.1	93.8	93.0	92.1	94.8	84.9	86.4	82.5
Ages 65-74	88.6	87.0	91.4	88.6	86.4	92.3	82.7	84.5	79.3
Ages 75+	74.3	73.3	75.3	73.9	72.4	75.3	64.0	67.6 <sup>e</sup>	60.8 <sup>e</sup>
Ages <65	93.1	92.7	93.9	93.5	92.8	94.9	85.4	87.0	82.7
Ages 65+	81.4	80.8	82.2	81.1	80.0	82.5	74.9	79.1	70.2

<sup>a</sup> 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.

<sup>b</sup> SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, 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.

<sup>c</sup> 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).

<sup>d</sup> The difference between 1975-1977 and 2010-2016 is statistically significant (p<.05).

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

<sup>f</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.