

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 ^a	40.6	36.9	45.6	40.8	37.4	45.7	33.5 ^e	-	-
...									
1987-1989 ^a	54.4	53.7	55.2	55.0	54.7	55.3	44.7 ^e	42.0 ^e	47.1 ^e
1990-1992 ^a	58.0	54.5	63.1	57.7	54.9	62.0	57.1 ^e	50.4 ^e	63.3 ^e
1993-1995 ^a	60.2	57.8	63.6	59.8	57.8	62.7	53.2 ^e	45.9 ^e	63.8 ^e
1996-1998 ^a	65.5	64.4	66.9	66.4	64.3	69.0	55.6 ^e	59.1 ^e	50.2 ^e
1999-2001 ^a	63.5	63.4	63.5	64.8	65.2	64.2	56.6 ^e	50.3 ^e	63.0 ^e
2002-2004 ^a	67.3	66.1	68.9	67.6	66.6	69.1	64.5 ^e	59.4 ^e	69.7 ^e
2005-2008 ^a	70.1	69.3	71.3	70.0	68.6	72.0	65.2	70.0	55.1 ^e
2009-2015 ^a	71.7 ^d	72.3 ^d	71.0 ^d	72.6 ^d	73.7 ^d	71.3 ^d	62.5 ^d	60.7	64.7 ^e
5-Year Period Survival (Percent) ^{bc}									
2015	69.1	68.4	69.8	68.5	67.4	70.0	65.0	65.0	64.8
5-Year Relative Survival (Percent), 2009-2015 ^b									
Age at Diagnosis:									
Ages <45	80.6	79.5	82.1	80.7	79.1	82.8	76.3	75.7	77.0
Ages 45-54	38.1	36.5	40.3	37.9	37.3	38.9	25.7 ^e	-	-
Ages 55-64	28.0	27.5	28.4	29.4	28.8	29.8	17.3 ^e	22.8 ^e	-
Ages 65-74	23.9	18.8	29.1	21.4	17.0	25.9	-	-	-
Ages 75+	9.1	9.7	8.3	10.0	9.6	10.0	0.0	-	-
Ages <65	73.3	72.5	74.3	73.5	72.4	74.9	66.8	66.8	66.8
Ages 65+	17.4	15.1	19.6	16.6	14.1	19.1	15.4 ^e	-	18.9 ^e
<u>Chronic Lymphocytic Leukemia</u>									
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1975-1977 ^a	67.1	64.7	70.3	67.9	65.4	71.1	56.9 ^e	55.1 ^e	59.0 ^e
...									
1987-1989 ^a	72.7	72.7	72.9	73.9	74.0	73.7	58.1	55.5 ^e	61.5 ^e
1990-1992 ^a	74.1	71.8	77.3	75.3	73.1	78.4	52.2	43.4 ^e	60.9 ^e
1993-1995 ^a	77.2	77.1	77.3	78.3	78.1	78.6	63.3	64.0 ^e	62.1 ^e
1996-1998 ^a	75.6	73.9	77.8	76.7	75.2	78.7	58.1	51.5 ^e	66.0 ^e
1999-2001 ^a	78.6	78.2	79.2	79.4	78.8	80.3	66.6	65.5 ^e	66.6 ^e
2002-2004 ^a	84.0	83.2	85.2	84.5	83.7	85.6	77.0	74.2 ^e	80.7 ^e
2005-2008 ^a	86.2	86.1	86.3	86.4	86.3	86.4	84.1	85.7	81.2
2009-2015 ^a	88.2 ^d	88.7 ^d	87.5 ^d	88.6 ^d	88.9 ^d	88.3 ^d	78.5 ^d	80.1 ^d	76.3
5-Year Period Survival (Percent) ^{bc}									
2015	85.6	85.5	85.8	85.3	84.8	86.0	77.2	81.8	71.0
5-Year Relative Survival (Percent), 2009-2015 ^b									
Age at Diagnosis:									
Ages <45	94.0	92.7	96.0	94.2	93.2	95.4	90.5 ^e	87.9 ^e	-
Ages 45-54	93.9	93.4	94.8	94.5	93.5	96.4	84.0	88.9	76.1 ^e
Ages 55-64	92.2	91.6	93.3	92.4	91.6	93.8	83.6	83.1	84.3
Ages 65-74	87.4	85.6	90.5	87.6	85.3	91.3	77.3	78.4	75.6
Ages 75+	73.1	72.7	73.6	72.9	72.4	73.4	58.4	58.6 ^e	56.4 ^e
Ages <65	92.8	92.2	93.9	93.1	92.3	94.7	84.3	85.4	82.4
Ages 65+	80.1	79.6	80.7	79.9	79.2	80.7	69.1	71.3	66.2

^a 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.

^b 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.

^c 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).

^d The difference between 1975-1977 and 2009-2015 is statistically significant (p<.05).

^e 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.