

Table 15.13  
Small Cell Cancer of the Lung and Bronchus (Invasive)

5-Year Relative and Period Survival (Percent) by Race, Sex, Diagnosis Year, Stage and Age

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1975-1977 <sup>a</sup>	3.6	3.1	4.8	3.7	3.1	4.9	3.7	3.8	3.6
1978-1980 <sup>a</sup>	4.2	3.2	6.5	4.3	3.3	6.4	3.1	2.4	5.0
1981-1983 <sup>a</sup>	4.5	3.5	6.2	4.6	3.6	6.1	5.3	4.1	8.2
1984-1986 <sup>a</sup>	4.5	3.5	6.2	4.7	3.6	6.4	3.5	2.2	5.6
1987-1989 <sup>a</sup>	5.0	3.9	6.6	5.1	3.8	6.8	4.0	3.3	5.1
1990-1992 <sup>a</sup>	5.4	4.5	6.4	5.4	4.5	6.5	4.2	3.9	4.4
1993-1995 <sup>a</sup>	6.4	5.1	7.8	6.2	5.0	7.6	6.7	4.0	10.4
1996-1998 <sup>a</sup>	5.8	5.3	6.5	6.0	5.5	6.6	3.6	2.6	4.5
1999-2001 <sup>a</sup>	5.7	4.8	6.7	5.6	4.4	6.9	5.2	6.0	4.2
2002-2004 <sup>a</sup>	6.5	4.7	8.2	6.5	4.4	8.5	5.3	5.3	5.1
2005-2009 <sup>a</sup>	6.8	5.2	8.5	6.7	5.1	8.4	6.7	4.5	8.9
2010-2016 <sup>a</sup>	7.0 <sup>e</sup>	5.7 <sup>e</sup>	8.2 <sup>e</sup>	7.0 <sup>e</sup>	5.7 <sup>e</sup>	8.2 <sup>e</sup>	7.5 <sup>e</sup>	7.1 <sup>e</sup>	7.8
5-Year Period Survival (Percent) <sup>bc</sup>									
2016	6.7	5.0	8.4	6.7	4.9	8.4	7.7	7.0	8.5
Stage Distribution (%) 2010-2016 <sup>bd</sup>									
All Stages									
Number of cases	33,251	16,684	16,567	28,703	14,145	14,558	3,033	1,549	1,484
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	4	4	4	4	3	4	4	4	4
Regional	20	18	22	20	18	22	19	17	21
Distant	75	77	72	75	77	72	75	77	74
Unstaged/Unknown	2	2	2	2	2	2	2	2	1
5-Year Relative Survival (Percent), 2010-2016 <sup>b</sup>									
Age at Diagnosis:									
Ages <45	13.3	9.6	17.2	14.0	10.9	17.3	10.6	-	-
Ages 45-54	9.7	7.0	12.1	9.4	6.4	12.0	12.1	11.6	12.8
Ages 55-64	7.8	5.7	10.0	7.8	5.6	10.0	8.0	5.9	10.1
Ages 65-74	6.2	5.5	7.0	6.2	5.3	7.1	7.1	7.9	6.2
Ages 75+	3.7	2.8	4.5	3.7	2.7	4.5	3.5	2.1	4.5
Ages <65	8.4	6.1	10.7	8.3	5.9	10.7	9.2	7.5	10.9
Ages 65+	5.2	4.5	6.0	5.2	4.3	6.0	5.8	6.1	5.5
Stage <sup>d</sup> :									
All Stages	6.5	5.1	7.9	6.5	5.0	7.9	7.5	6.8	8.2
Localized	27.2	25.5	28.3	27.2	25.4	28.4	34.9 <sup>f</sup>	37.4 <sup>f</sup>	32.1 <sup>f</sup>
Regional	16.4	14.8	17.7	16.5	14.7	18.0	17.5	16.1	18.7
Distant	2.9	2.0	3.8	2.8	1.9	3.7	3.8	3.3	4.2
Unstaged/Unknown	8.1	5.7	10.2	8.0	4.2	11.0	3.4	6.6 <sup>f</sup>	-

Note: Small Cell Cancer of the Lung and Bronchus includes histologies 8002, 8041-8045.

<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, 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.

Based on follow-up of patients into 2017.

<sup>c</sup> 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> Stage at diagnosis is classified using SEER Summary Stage 2000. Stage distribution percentages may not sum to 100 due to rounding.

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

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

<sup>g</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.