

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>	5.1	3.9	6.6	5.1	3.9	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	7.9	6.3	5.0	7.6	6.7	4.0	10.4
1996-1998 <sup>a</sup>	5.8	5.2	6.5	6.0	5.4	6.6	3.6	2.6	4.5
1999-2001 <sup>a</sup>	5.8	4.8	6.8	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	8.4	5.3	5.3	5.1
2005-2008 <sup>a</sup>	6.9	5.4	8.5	6.8	5.3	8.4	7.4	5.6	9.4
2009-2015 <sup>a</sup>	6.6 <sup>e</sup>	5.1 <sup>e</sup>	8.2 <sup>e</sup>	6.6 <sup>e</sup>	4.9 <sup>e</sup>	8.2 <sup>e</sup>	6.3 <sup>e</sup>	5.2 <sup>e</sup>	7.0
5-Year Period Survival (Percent) <sup>bc</sup>									
2015	6.5	4.9	8.1	6.5	4.8	8.0	7.2	5.8	8.6
Stage Distribution (%) 2009-2015 <sup>bd</sup>									
All Stages									
Number of cases	33,824	16,941	16,883	29,208	14,394	14,814	3,123	1,591	1,532
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	4	4	4	4	4	4	4	4	3
Regional	19	17	21	19	17	21	19	17	21
Distant	75	77	73	75	77	73	75	77	74
Unstaged/Unknown	2	2	2	2	2	2	2	2	2
5-Year Relative Survival (Percent), 2009-2015 <sup>b</sup>									
Age at Diagnosis:									
Ages <45	13.4	11.3	15.8	13.5	11.7	15.5	11.1	6.2 <sup>f</sup>	-
Ages 45-54	9.0	6.1	11.8	8.9	5.6	11.9	11.1	9.7	12.6
Ages 55-64	7.7	5.5	9.9	7.6	5.3	9.9	7.8	5.4	10.1
Ages 65-74	6.0	4.9	7.1	6.0	4.7	7.2	5.8	5.9	5.6
Ages 75+	3.6	2.5	4.5	3.6	2.4	4.7	3.6	3.3	3.8
Ages <65	8.2	5.8	10.6	8.1	5.5	10.6	8.9	6.8	11.0
Ages 65+	5.0	4.0	6.0	5.0	3.8	6.2	5.0	5.1	4.9
Stage <sup>d</sup> :									
All Stages	6.3	4.7	7.9	6.3	4.5	7.9	7.0	6.0	8.0
Localized	27.3	23.6	30.6	27.2	22.7	31.0	32.0 <sup>f</sup>	34.2 <sup>f</sup>	30.1 <sup>f</sup>
Regional	15.6	13.0	17.7	15.8	13.1	18.0	15.4	12.4	17.7
Distant	2.8	2.0	3.7	2.7	1.9	3.6	3.7	3.2	4.2
Unstaged/Unknown	9.5	5.4	13.1	9.1	3.1	14.0	4.6	8.5 <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 2016. [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 2016.

<sup>c</sup> 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).

<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 2009-2015 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.