

Table 15.12  
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:									
1960-1963 <sup>a</sup>	-	-	-	8	7	11	5	5	6
1970-1973 <sup>a</sup>	-	-	-	10	9	14	7	6	10
1975-1977 <sup>b</sup>	12.2	11.1	15.3	12.2	11.1	15.4	11.3	10.6	13.8
1978-1980 <sup>b</sup>	12.8	11.4	16.3	12.9	11.5	16.2	11.7	9.7	17.8
1981-1983 <sup>b</sup>	13.1	11.5	16.4	13.3	11.7	16.5	11.3	10.1	14.9
1984-1986 <sup>b</sup>	12.8	11.2	16.0	13.0	11.3	16.3	11.1	10.3	12.8
1987-1989 <sup>b</sup>	13.0	11.9	14.9	13.3	12.0	15.3	10.9	10.8	11.1
1990-1992 <sup>b</sup>	13.6	12.1	15.9	14.0	12.4	16.2	10.4	9.3	12.5
1993-1995 <sup>b</sup>	14.3	12.5	16.9	14.5	12.6	17.1	12.9	11.3	15.7
1996-1998 <sup>b</sup>	14.6	12.9	16.8	14.8	13.0	17.0	12.3	10.7	14.8
1999-2003 <sup>b</sup>	15.5	13.4	18.0	15.8	13.7	18.3	12.7	11.3	14.5
2004-2010 <sup>b</sup>	17.8 <sup>f</sup>	15.5 <sup>f</sup>	20.4 <sup>f</sup>	18.2 <sup>f</sup>	15.8 <sup>f</sup>	20.7 <sup>f</sup>	14.9 <sup>f</sup>	13.0 <sup>f</sup>	17.1 <sup>f</sup>
5-Year Period Survival (Percent) <sup>cd</sup>									
2010	17.4	14.9	20.2	17.7	15.3	20.4	14.3	12.2	17.0
Stage Distribution (%) 2004-2010 <sup>ee</sup>									
All Stages									
Number of cases	268,159	142,878	125,281	221,014	116,179	104,835	29,906	16,797	13,109
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	15	14	17	16	14	18	13	11	14
Regional	22	22	22	22	22	22	22	21	22
Distant	57	59	55	56	58	54	61	62	59
Unstaged	6	5	6	6	5	6	4	5	4
5-Year Relative Survival (Percent), 2004-2010 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	28.9	25.2	32.4	30.4	25.9	34.8	24.2	23.0	25.3
Ages 45-54	19.7	15.8	24.3	20.6	16.5	25.2	15.2	12.0	19.4
Ages 55-64	19.1	16.2	23.1	19.6	16.6	23.4	15.1	12.6	19.1
Ages 65-74	17.9	15.2	21.2	18.2	15.4	21.4	14.5	12.4	17.3
Ages 75+	12.2	10.7	13.7	12.6	10.9	14.1	8.5	7.5	9.4
Ages <65	19.9	16.6	24.1	20.5	17.1	24.7	15.7	13.0	19.7
Ages 65+	15.0	13.0	17.2	15.3	13.3	17.5	12.0	10.6	13.6
Stage <sup>g</sup> :									
All Stages	16.8	14.4	19.6	17.1	14.7	19.8	13.9	11.8	16.5
Localized	54.0	48.6	58.9	54.5	49.0	59.4	46.1	41.9	50.5
Regional	26.5	24.2	29.2	26.6	24.4	29.1	23.8	21.1	27.2
Distant	4.0	3.3	4.8	3.8	3.1	4.6	3.9	3.3	4.7
Unstaged	7.4	6.9	7.9	6.8	6.1	7.5	10.5	10.2	10.7

<sup>a</sup> Based on End Results data from a series of hospital registries and one population-based registry.

<sup>b</sup> SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).  
Based on follow-up of patients into 2011.

<sup>c</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).  
Based on follow-up of patients into 2011.

<sup>d</sup> Period survival provides a 2010 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2007-2009: 0-1 year survival), (2006-2008: 1-2 year survival), (2005-2007: 2-3 year survival), (2004-2006: 3-4 year survival), (2003-2005: 4-5 years survival).

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

<sup>f</sup> The difference between 1975-1977 and 2004-2010 is statistically significant (p<.05).

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

<sup>h</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.