

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>	12.7	11.5	15.9	12.8	11.5	16.0	11.6	10.8	14.1
1978-1980 <sup>b</sup>	13.3	11.8	16.7	13.4	11.9	16.6	12.0	9.9	18.1
1981-1983 <sup>b</sup>	13.7	12.0	16.9	13.9	12.2	17.0	11.7	10.5	15.1
1984-1986 <sup>b</sup>	13.3	11.6	16.4	13.6	11.7	16.8	11.4	10.7	13.0
1987-1989 <sup>b</sup>	13.5	12.4	15.4	13.8	12.5	15.8	11.2	11.0	11.5
1990-1992 <sup>b</sup>	14.0	12.5	16.3	14.4	12.9	16.6	10.7	9.5	12.9
1993-1995 <sup>b</sup>	14.9	13.0	17.4	15.1	13.1	17.7	13.2	11.6	15.8
1996-1998 <sup>b</sup>	15.2	13.4	17.4	15.5	13.6	17.7	12.7	11.1	15.2
1999-2006 <sup>b</sup>	16.4 <sup>e</sup>	14.2 <sup>e</sup>	19.0 <sup>e</sup>	16.8 <sup>e</sup>	14.5 <sup>e</sup>	19.4 <sup>e</sup>	13.2 <sup>e</sup>	11.8 <sup>e</sup>	15.0
5-Year Period Survival (Percent) <sup>cd</sup>									
Year of Diagnosis:									
1999-2006	16.4	14.0	19.0	16.7	14.2	19.4	12.9	11.7	14.4
Stage Distribution (%) 1999-2006 <sup>c</sup>									
All Stages									
Number of cases	263,175	142,448	120,727	219,592	116,915	102,677	27,263	15,802	11,461
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	15	13	16	15	14	17	12	11	14
Regional	22	22	22	22	22	22	22	23	22
Distant	56	57	54	55	56	53	60	60	58
Unstaged	8	7	8	8	7	8	6	6	6
5-Year Relative Survival (Percent), 1999-2006 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	24.5	22.8	26.2	26.4	24.8	27.9	17.2	15.4	19.1
Ages 45-54	18.8	15.1	23.5	19.7	15.6	24.7	14.0	12.1	16.8
Ages 55-64	17.8	15.1	21.3	18.3	15.5	21.9	13.9	12.3	16.5
Ages 65-74	15.7	13.4	18.4	15.9	13.5	18.7	11.9	10.8	13.5
Ages 75+	11.3	9.8	12.7	11.6	10.1	12.9	8.6	7.9	9.3
Ages <65	18.6	15.6	22.4	19.3	16.1	23.1	14.2	12.4	16.9
Ages 65+	13.8	12.0	15.8	14.0	12.1	16.0	10.7	9.8	11.8
Stage:									
All Stages	15.8	13.5	18.3	16.1	13.8	18.6	12.6	11.3	14.4
Localized	52.9	48.1	57.4	53.5	48.8	57.8	45.1	41.6	49.0
Regional	24.0	21.8	26.6	24.1	21.8	26.7	20.9	19.9	22.3
Distant	3.5	3.0	4.2	3.5	2.9	4.2	3.1	2.8	3.4
Unstaged	8.7	7.6	9.9	8.4	7.2	9.5	10.6	9.8	11.7

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

<sup>b</sup> Based on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Based on follow-up of patients into 2007.

<sup>c</sup> Based on the SEER 17 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 and New Jersey). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2006. The remaining 13 SEER Areas contribute cases for the entire period 1999-2006. Based on follow-up of patients into 2007.

<sup>d</sup> Period survival provides a more up-to-date estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2004-2006: 0-1 year survival),

(2003-2005: 1-2 year survival), (2002-2004: 2-3 year survival), (2001-2003: 3-4 year survival), (2000-2002: 4-5 years survival).

<sup>e</sup> The difference between 1975-1977 and 1999-2006 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.