

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 ^a	-	-	-	8	7	11	5	5	6
1970-1973 ^a	-	-	-	10	9	14	7	6	10
1975-1977 ^b	12.2	11.1	15.3	12.3	11.1	15.4	11.2	10.5	13.8
1978-1980 ^b	12.8	11.3	16.3	12.9	11.5	16.2	11.7	9.7	17.8
1981-1983 ^b	13.1	11.5	16.4	13.3	11.7	16.6	11.3	10.1	14.9
1984-1986 ^b	12.8	11.2	16.0	13.0	11.2	16.3	11.1	10.3	12.8
1987-1989 ^b	13.0	11.9	15.0	13.3	12.0	15.3	10.9	10.8	11.1
1990-1992 ^b	13.6	12.1	15.9	14.0	12.5	16.2	10.5	9.3	12.7
1993-1995 ^b	14.3	12.5	16.9	14.5	12.6	17.1	12.8	11.2	15.7
1996-1998 ^b	14.6	12.9	16.8	14.8	13.1	17.0	12.3	10.7	15.0
1999-2001 ^b	15.3	13.1	17.9	15.5	13.3	18.0	12.6	10.8	15.2
2002-2006 ^b	16.7	14.5	19.2	17.1	14.8	19.7	13.4	12.7	14.4
2007-2013 ^b	19.5 ^f	16.6 ^f	22.6 ^f	19.6 ^f	16.9 ^f	22.6 ^f	17.3 ^f	14.2 ^f	20.7 ^f
5-Year Period Survival (Percent) ^{cd}									
2013	18.7	15.6	22.2	18.8	15.7	22.1	16.2	12.9	20.2
Stage Distribution (%) 2007-2013 ^{ce}									
All Stages									
Number of cases	265,429	139,842	125,587	216,128	112,341	103,787	30,511	16,903	13,608
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	16	14	18	16	15	18	13	12	15
Regional	22	22	22	22	22	22	22	21	23
Distant	57	59	55	56	58	54	61	63	58
Unstaged	5	5	5	5	5	5	4	4	4
5-Year Relative Survival (Percent), 2007-2013 ^c									
Age at Diagnosis:									
Ages <45	32.3	27.9	36.5	33.7	28.9	38.3	27.4	23.6	31.8
Ages 45-54	20.8	16.7	25.4	21.5	17.3	26.1	17.2	13.2	21.9
Ages 55-64	20.1	16.7	24.6	20.3	17.0	24.6	16.6	13.9	20.8
Ages 65-74	19.3	16.0	23.1	19.6	16.3	23.2	15.5	12.2	19.6
Ages 75+	13.5	11.6	15.4	13.8	11.8	15.6	10.3	7.6	12.6
Ages <65	20.9	17.2	25.6	21.3	17.6	25.8	17.3	14.1	21.8
Ages 65+	16.5	13.9	19.1	16.7	14.2	19.2	13.3	10.6	16.3
Stage ^e :									
All Stages	18.1	15.2	21.3	18.3	15.4	21.4	15.3	12.5	18.8
Localized	55.6	49.5	61.0	55.7	49.7	60.9	50.7	43.8	57.5
Regional	28.9	25.6	32.5	28.9	25.8	32.1	25.7	21.9	30.0
Distant	4.5	3.8	5.4	4.3	3.6	5.2	4.3	3.6	5.3
Unstaged	7.5	7.1	7.9	6.8	6.4	7.2	9.4	9.1	9.7

^a Based on End Results data from a series of hospital registries and one population-based registry.

^b SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Based on follow-up of patients into 2014.

^c 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 2014.

^d Period survival provides a 2013 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).

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

^f The difference between 1975-1977 and 2007-2013 is statistically significant ($p < .05$).

^g The standard error is between 5 and 10 percentage points.

^h The standard error is greater than 10 percentage points.

- Statistic could not be calculated due to fewer than 25 cases during the time period.