

Table 8.8
Cancer of the Esophagus (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	-	-	-	4	4	6	1	0	2
1970-1973 ^a	-	-	-	4	4	4	4	4	3
1975-1977 ^b	5.0	4.0	7.5	5.5	4.8	7.0	3.5	2.0	7.7
1978-1980 ^b	5.0	4.8	5.6	5.3	5.3	5.2	4.3	3.4	6.8
1981-1983 ^b	6.6	6.0	8.2	7.3	6.5	9.0	4.3	3.7	6.5
1984-1986 ^b	9.5	8.4	12.1	10.2	9.0	13.0	8.7	8.2	9.9
1987-1989 ^b	9.4	9.4	9.5	10.5	11.0	9.2	6.6	5.3	10.2
1990-1992 ^b	12.1	11.7	13.4	12.9	12.3	14.8	9.1	9.4	8.4
1993-1995 ^b	12.1	12.2	11.7	13.4	13.6	12.7	7.6	7.8	6.9
1996-1998 ^b	13.4	13.0	14.4	14.1	13.9	14.7	10.2	8.5	13.6
1999-2001 ^b	18.1	17.6	19.6	18.8	18.6	19.8	12.5	10.6	16.3
2002-2005 ^b	18.3	18.0	19.3	19.4	19.2	19.8	12.9	11.2	16.0
2006-2012 ^b	20.5 ^f	20.5 ^f	20.7 ^f	21.7 ^f	21.8 ^f	21.2 ^f	12.5 ^f	10.5 ^f	16.3 ^f
5-Year Period Survival (Percent) ^{cd}									
2012	18.6	18.3	19.6	19.3	19.2	19.7	12.0	9.6	16.5
Stage Distribution (%) 2006-2012 ^{ce}									
All Stages									
Number of cases	20,995	16,572	4,423	17,533	14,112	3,421	2,272	1,564	708
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	20	19	23	20	20	23	18	17	21
Regional	31	31	29	31	31	29	31	31	32
Distant	38	40	32	38	40	32	40	41	35
Unstaged	11	10	16	10	9	16	11	11	12
5-Year Relative Survival (Percent), 2006-2012 ^c									
Age at Diagnosis:									
Ages <45	19.6	21.5	7.9	20.2	22.2	6.3	11.3	8.2	12.4 ^g
Ages 45-54	20.5	19.6	24.6	22.3	21.0	29.5	10.9	10.8	11.6
Ages 55-64	20.3	19.4	25.0	21.5	20.9	25.2	12.7	9.3	22.7
Ages 65-74	21.3	21.3	21.4	22.3	22.4	22.3	12.5	11.7	13.3
Ages 75+	11.5	11.7	11.2	11.7	12.0	11.1	9.2	9.2	8.7
Ages <65	20.3	19.6	23.9	21.6	21.0	25.4	12.1	9.7	18.1
Ages 65+	16.6	17.1	15.2	17.2	17.8	15.3	11.1	10.9	11.1
Stage ^e :									
All Stages	18.4	18.3	18.5	19.2	19.3	18.8	11.7	10.1	15.0
Localized	41.3	43.8	33.4	43.6	46.1	34.6	22.4	20.8	24.0
Regional	22.8	22.4	24.3	23.5	23.3	24.6	16.6	15.6	19.1
Distant	4.5	4.2	5.9	4.6	4.4	5.5	3.6	1.8	8.1
Unstaged	12.4	12.6	12.0	12.4	12.8	11.4	9.7	9.6	10.6

^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 2013.

^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 2013.

^d Period survival provides a 2012 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 2006-2012 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.