

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	3.9	7.5	5.5	4.8	7.0	3.2	1.6	7.7
1978-1980 ^b	5.0	4.8	5.6	5.3	5.3	5.2	4.3	3.4	6.9
1981-1983 ^b	6.6	6.0	8.2	7.3	6.5	9.0	4.3	3.7	6.5
1984-1986 ^b	9.6	8.6	12.0	10.4	9.2	12.9	8.7	8.2	9.9
1987-1989 ^b	9.5	9.4	9.7	10.7	11.1	9.6	6.6	5.3	10.2
1990-1992 ^b	12.3	11.9	13.4	13.1	12.5	14.9	9.2	9.4	8.4
1993-1995 ^b	12.2	12.3	11.7	13.5	13.7	12.8	7.5	7.8	6.9
1996-2000 ^b	15.4	14.9	17.0	16.3	15.9	17.7	11.1	9.6	14.1
2001-2007 ^b	18.5 ^e	18.4 ^e	18.8 ^e	19.6 ^e	19.7 ^e	19.4 ^e	12.8 ^e	10.6 ^e	17.1 ^e
5-Year Period Survival (Percent) ^{cd}									
2007	17.6	17.9	16.6	18.4	18.8	17.1	12.0	11.0	14.3
Stage Distribution (%) 2001-2007 ^c									
All Stages									
Number of cases	18,310	14,102	4,208	15,301	11,936	3,365	1,976	1,390	586
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	22	22	25	23	22	26	20	18	23
Regional	32	33	29	32	32	29	34	35	33
Distant	32	34	27	32	34	26	32	33	28
Unstaged	14	12	19	13	12	19	14	13	17
5-Year Relative Survival (Percent), 2001-2007 ^c									
Age at Diagnosis:									
Ages <45	18.9	18.9	18.9	20.4	20.0	22.2	9.6	10.6 ^f	6.0 ^f
Ages 45-54	19.0	18.2	23.5	20.3	19.3	26.4	13.0	10.6	18.7
Ages 55-64	19.6	19.1	22.0	20.9	20.5	23.6	11.1	11.0	10.3
Ages 65-74	17.5	17.3	18.3	18.4	18.3	18.5	11.8	10.2	15.7
Ages 75+	12.1	12.2	11.7	12.5	12.5	12.3	8.3	9.0	6.3
Ages <65	19.4	18.8	22.3	20.7	20.1	24.4	11.8	10.9	14.3
Ages 65+	14.8	15.0	14.2	15.4	15.7	14.6	10.5	9.8	11.6
Stage:									
All Stages	16.8	16.8	16.8	17.7	17.8	17.4	11.2	10.5	12.9
Localized	37.3	39.6	30.4	39.6	42.0	32.1	21.3	22.9	18.2
Regional	18.4	18.1	19.4	19.2	19.0	20.2	12.8	11.2	16.1
Distant	3.1	2.9	4.1	3.1	3.0	3.9	3.3	2.8	4.9
Unstaged	11.4	11.0	12.3	11.3	11.3	11.0	10.6	9.7	12.6

^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 2008.

^c 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).
Based on follow-up of patients into 2008.

^d Period survival provides a 2007 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2005-2007: 0-1 year survival), (2004-2006: 1-2 year survival), (2003-2005: 2-3 year survival), (2002-2004: 3-4 year survival), (2001-2003: 4-5 years survival).
The difference between 1975-1977 and 2001-2007 is statistically significant (p<.05).

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

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

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