

Table 26.8
Cancer of the Thyroid (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	-	-	-	83	75	87	-	-	-
1970-1973 ^a	-	-	-	86	82	87	-	-	-
1975-1977 ^b	92.1	91.1	92.4	91.8	90.7	92.2	89.8	-	91.0
1978-1980 ^b	92.1	92.1	93.6	91.5	87.5	92.7	90.1	68.0 ^h	95.4
1981-1983 ^b	93.6	92.2	93.9	93.1	90.9	93.7	96.3	100.0	93.2
1984-1986 ^b	93.1	89.8	94.2	93.2	89.4	94.3	89.3	85.5 ^g	90.3
1987-1989 ^b	94.4	91.6	95.2	94.1	91.5	95.0	92.2	91.2 ^g	92.2
1990-1992 ^b	94.3	90.5	95.5	94.9	91.6	96.0	85.8	84.5 ^g	86.2
1993-1995 ^b	95.4	91.6	96.6	95.5	91.6	96.8	93.2	88.1 ^g	94.3
1996-1998 ^b	95.6	90.9	96.9	95.9	91.3	97.3	95.0	86.1 ^g	96.4
1999-2002 ^b	96.6	94.4	97.3	97.0	94.9	97.6	93.1	91.6	93.2
2003-2009 ^b	97.9 ^f	95.8 ^f	98.5 ^f	98.2 ^f	96.2 ^f	98.8 ^f	96.6 ^f	89.7	97.8
5-Year Period Survival (Percent) ^{cd}									
2009	98.0	95.9	98.6	98.2	96.2	98.7	97.0	89.7	98.0
Stage Distribution (%) 2003-2009 ^{ce}									
All Stages									
Number of cases	55,834	12,715	43,119	45,860	10,786	35,074	3,607	658	2,949
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	68	59	71	69	59	72	77	68	79
Regional	25	32	23	25	32	23	15	19	14
Distant	4	8	4	4	7	3	6	11	5
Unstaged	2	2	2	2	2	2	2	2	2
5-Year Relative Survival (Percent), 2003-2009 ^c									
Age at Diagnosis:									
Ages <45	99.6	98.6	99.8	99.7	98.7	99.8	98.8	94.8	99.3
Ages 45-54	98.9	97.0	99.4	99.1	97.2	99.6	96.9	94.6	97.3
Ages 55-64	97.0	94.5	97.9	97.2	94.6	98.2	96.6	92.6	97.0
Ages 65-74	94.6	90.2	96.1	95.2	91.0	96.7	92.0	86.6 ^g	92.6
Ages 75+	84.9	80.8	85.7	85.9	81.1	86.5	76.2 ^g	63.9 ^h	78.6
Ages <65	98.9	97.0	99.4	99.0	97.2	99.5	97.9	94.4	98.5
Ages 65+	91.1	87.4	92.4	91.9	88.1	93.1	87.2	79.3 ^g	88.7
Stage ^e :									
All Stages	97.7	95.2	98.5	97.9	95.4	98.7	96.6	91.9	97.4
Localized	99.9	99.8	99.9	99.9	99.8	99.9	99.6	98.1	99.6
Regional	97.4	95.8	98.1	97.5	95.6	98.2	94.5	92.6	94.9
Distant	55.0	49.1	58.7	54.8	47.4	60.1	48.2	52.6 ^g	46.0 ^g
Unstaged	87.5	77.8	90.4	86.8	77.2	89.8	88.4 ^g	-	88.7 ^g

^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 2010.

^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 2010.

^d Period survival provides a 2009 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).^e Stage at diagnosis is classified using SEER Summary Stage 2000.^f The difference between 1975-1977 and 2003-2009 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.