

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 <sup>a</sup>	-	-	-	83	75	87	-	-	-
1970-1973 <sup>a</sup>	-	-	-	86	82	87	-	-	-
1975-1977 <sup>b</sup>	92.2	91.1	92.5	91.9	90.7	92.3	90.3	-	91.5
1978-1980 <sup>b</sup>	92.1	87.3	93.6	91.5	87.6	92.7	90.2	68.0 <sup>g</sup>	95.5
1981-1983 <sup>b</sup>	93.7	92.2	94.0	93.1	90.9	93.8	96.4	100.0	93.2
1984-1986 <sup>b</sup>	93.1	89.9	94.2	93.2	89.5	94.2	89.4	85.5 <sup>f</sup>	90.4
1987-1989 <sup>b</sup>	94.5	91.6	95.3	94.2	91.7	95.0	92.2	91.2 <sup>f</sup>	92.2
1990-1992 <sup>b</sup>	94.3	90.5	95.6	95.0	91.7	96.0	85.9	84.7 <sup>f</sup>	86.3
1993-1995 <sup>b</sup>	95.4	91.7	96.6	95.5	91.6	96.9	93.2	88.1 <sup>f</sup>	94.3
1996-2000 <sup>b</sup>	96.1	92.9	97.0	96.4	93.4	97.4	93.7	85.2	95.2
2001-2007 <sup>b</sup>	97.3 <sup>e</sup>	94.4 <sup>e</sup>	98.1 <sup>e</sup>	97.6 <sup>e</sup>	94.7 <sup>e</sup>	98.5 <sup>e</sup>	95.2	93.0	95.5
5-Year Period Survival (Percent) <sup>cd</sup>									
2007	97.4	94.3	98.3	97.8	94.5	98.6	94.7	89.4	95.8
Stage Distribution (%) 2001-2007 <sup>c</sup>									
All Stages									
Number of cases	45,390	10,391	34,999	37,433	8,851	28,582	2,672	499	2,173
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	68	58	71	68	59	71	75	65	78
Regional	25	31	23	25	31	23	15	20	14
Distant	5	8	4	5	8	4	7	12	6
Unstaged	2	3	2	2	2	2	2	3	2
5-Year Relative Survival (Percent), 2001-2007 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	99.5	98.5	99.7	99.5	98.5	99.8	98.8	96.4	99.2
Ages 45-54	98.8	96.2	99.5	99.1	96.5	99.7	95.9	89.8	97.0
Ages 55-64	96.6	93.9	97.7	96.9	94.0	98.0	93.4	88.0	94.6
Ages 65-74	92.0	87.6	94.0	92.6	88.4	94.6	87.4	84.3 <sup>f</sup>	87.9
Ages 75+	82.2	77.3	83.7	83.4	77.1	84.3	70.0 <sup>f</sup>	69.7 <sup>g</sup>	69.9 <sup>f</sup>
Ages <65	98.8	96.6	99.3	98.9	96.7	99.5	97.0	92.4	97.8
Ages 65+	88.6	84.3	90.3	89.4	84.8	91.0	82.2	80.1 <sup>f</sup>	82.3
Stage:									
All Stages	97.2	94.2	98.1	97.5	94.4	98.3	94.9	90.9	95.7
Localized	99.8	99.6	99.9	99.9	99.7	99.9	99.1	95.7	99.4
Regional	96.8	94.9	97.6	96.8	94.4	97.8	95.5	95.4	94.4
Distant	55.4	48.3	59.5	54.6	46.7	59.7	49.2	49.6 <sup>f</sup>	48.5 <sup>f</sup>
Unstaged	87.6	80.3	90.1	86.7	78.4	89.4	77.7 <sup>f</sup>	-	77.0 <sup>f</sup>

<sup>a</sup> Based on End Results data from a series of hospital registries and one population-based registry.<sup>b</sup> SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).  
Based on follow-up of patients into 2008.<sup>c</sup> 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.<sup>d</sup> 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).<sup>e</sup> The standard error is between 5 and 10 percentage points.<sup>f</sup> The standard error is greater than 10 percentage points.<sup>g</sup> -  
Statistic could not be calculated due to fewer than 25 cases during the time period.