

Table 16.8  
Melanoma of the Skin (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
<b>5-Year Relative Survival (Percent)</b>									
<b>Year of Diagnosis:</b>									
1960-1963 <sup>a</sup>	-	-	-	60	51	68	-	-	-
1970-1973 <sup>a</sup>	-	-	-	68	62	75	-	-	-
1975-1977 <sup>b</sup>	81.9	77.5	86.3	82.0	77.8	86.3	56.7 <sup>g</sup>	-	-
1978-1980 <sup>b</sup>	82.8	77.7	87.7	82.9	77.9	87.9	59.8 <sup>h</sup>	-	-
1981-1983 <sup>b</sup>	82.8	78.4	87.3	82.8	78.4	87.2	61.9 <sup>g</sup>	-	-
1984-1986 <sup>b</sup>	86.6	82.6	91.0	86.4	82.3	91.0	72.3 <sup>h</sup>	-	-
1987-1989 <sup>b</sup>	88.1	84.9	91.5	88.0	84.9	91.3	78.6 <sup>g</sup>	-	89.5 <sup>g</sup>
1990-1992 <sup>b</sup>	89.3	87.0	91.8	89.3	87.1	91.8	59.6 <sup>g</sup>	-	-
1993-1995 <sup>b</sup>	89.7	87.3	92.6	89.6	87.1	92.7	69.5 <sup>g</sup>	66.6 <sup>g</sup>	-
1996-1998 <sup>b</sup>	91.0	89.6	92.7	90.9	89.4	92.7	73.9 <sup>g</sup>	68.0 <sup>h</sup>	78.6 <sup>g</sup>
1999-2001 <sup>b</sup>	92.2	90.1	94.6	92.2	90.2	94.6	73.9 <sup>g</sup>	70.9 <sup>g</sup>	76.1 <sup>g</sup>
2002-2004 <sup>b</sup>	93.2	91.1	95.4	93.2	91.1	95.6	72.0 <sup>g</sup>	-	70.4 <sup>g</sup>
2005-2007 <sup>b</sup>	93.2	91.7	95.0	93.3	91.8	95.0	75.9 <sup>g</sup>	-	82.3 <sup>g</sup>
2008-2014 <sup>b</sup>	93.9 <sup>f</sup>	92.2 <sup>f</sup>	95.9 <sup>f</sup>	93.8 <sup>f</sup>	92.1 <sup>f</sup>	95.9 <sup>f</sup>	66.3 <sup>g</sup>	60.6 <sup>g</sup>	71.1 <sup>g</sup>
<b>5-Year Period Survival (Percent)<sup>cd</sup></b>									
2014	91.8	89.9	94.4	91.2	89.0	94.0	63.8	56.9	67.5
<b>Stage Distribution (%) 2008-2014<sup>ce</sup></b>									
<b>All Stages</b>									
Number of cases	102,084	57,742	44,342	94,995	54,030	40,965	466	206	260
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	84	82	86	83	81	86	54	48	59
Regional	9	10	7	9	10	8	24	28	22
Distant	4	5	3	4	5	3	16	17	15
Unstaged/Unknown	4	3	4	3	3	4	5	7	4
<b>5-Year Relative Survival (Percent), 2008-2014<sup>c</sup></b>									
<b>Age at Diagnosis:</b>									
Ages <45	94.5	91.2	96.8	94.3	90.9	96.6	81.3	70.0 <sup>g</sup>	87.6 <sup>g</sup>
Ages 45-54	93.0	90.5	95.8	92.7	89.9	95.7	65.6 <sup>g</sup>	62.3 <sup>g</sup>	68.6 <sup>g</sup>
Ages 55-64	91.8	90.0	94.6	91.3	89.5	94.2	66.5 <sup>g</sup>	54.5 <sup>g</sup>	79.6 <sup>g</sup>
Ages 65-74	92.5	91.3	94.5	92.0	90.7	94.4	60.0 <sup>g</sup>	49.6 <sup>h</sup>	64.8 <sup>g</sup>
Ages 75+	85.9	85.7	86.1	84.6	84.4	85.0	47.2 <sup>g</sup>	41.2 <sup>h</sup>	49.2 <sup>h</sup>
Ages <65	93.0	90.4	95.8	92.6	90.0	95.6	71.4	61.6 <sup>g</sup>	79.4
Ages 65+	89.6	89.0	90.5	88.7	88.0	89.9	54.3 <sup>g</sup>	46.6 <sup>g</sup>	58.0 <sup>g</sup>
<b>Stage<sup>e</sup>:</b>									
All Stages	91.8	89.9	94.2	91.2	89.2	93.8	65.2	57.1	71.0
Localized	98.4	97.9	99.1	98.0	97.3	98.8	85.8	87.2 <sup>g</sup>	84.3
Regional	63.6	61.0	68.1	63.7	61.3	68.1	46.2 <sup>g</sup>	36.4 <sup>g</sup>	56.0 <sup>g</sup>
Distant	22.5	21.1	25.5	22.2	21.1	24.7	27.2 <sup>g</sup>	13.5 <sup>g</sup>	39.8 <sup>g</sup>
Unstaged/Unknown	83.7	81.9	86.0	82.4	80.3	85.1	41.9 <sup>h</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).

<sup>c</sup> Based on follow-up of patients into 2015. [Expected survival rates](#) are derived from the U.S. Annual Life Tables.

<sup>d</sup> 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). Expected survival rates are derived from life tables by socio-economic status, geography and race developed by the SEER program.

<sup>e</sup> Based on follow-up of patients into 2015.

<sup>f</sup> Period survival provides a 2014 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).

<sup>g</sup> Stage at diagnosis is classified using SEER Summary Stage 2000. Stage distribution percentages may not sum to 100 due to rounding.

<sup>h</sup> The difference between 1975-1977 and 2008-2014 is statistically significant ( $p < .05$ ).

<sup>i</sup> The standard error is between 5 and 10 percentage points.

<sup>j</sup> The standard error is greater than 10 percentage points.

<sup>k</sup> Statistic could not be calculated due to fewer than 25 cases during the time period.