

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
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1960-1963 ^a	-	-	-	60	51	68	-	-	-
1970-1973 ^a	-	-	-	68	62	75	-	-	-
1975-1977 ^b	81.9	77.5	86.3	82.0	77.8	86.3	56.7 ^g	-	-
1978-1980 ^b	82.8	77.7	87.7	82.9	77.9	87.9	59.8 ^h	-	-
1981-1983 ^b	82.8	78.4	87.3	82.8	78.4	87.2	61.9 ^g	-	-
1984-1986 ^b	86.6	82.6	91.0	86.4	82.3	91.0	72.3 ^h	-	-
1987-1989 ^b	88.1	84.9	91.5	88.0	84.9	91.3	78.6 ^g	-	89.5 ^g
1990-1992 ^b	89.3	87.0	91.8	89.3	87.1	91.8	59.6 ^g	-	-
1993-1995 ^b	89.7	87.3	92.6	89.6	87.1	92.7	69.5 ^g	66.6 ^g	-
1996-1998 ^b	91.0	89.6	92.7	90.9	89.4	92.7	73.9 ^g	68.0 ^h	78.6 ^g
1999-2001 ^b	92.2	90.1	94.6	92.2	90.2	94.6	73.9 ^g	70.9 ^g	76.1 ^g
2002-2004 ^b	93.2	91.1	95.4	93.2	91.1	95.6	72.0 ^g	-	70.4 ^g
2005-2007 ^b	93.2	91.7	95.0	93.3	91.8	95.0	75.9 ^g	-	82.3 ^g
2008-2014 ^b	93.9 ^f	92.2 ^f	95.9 ^f	93.8 ^f	92.1 ^f	95.9 ^f	66.3 ^g	60.6 ^g	71.1 ^g
5-Year Period Survival (Percent) ^{cd}									
2014	91.8	89.9	94.4	91.2	89.0	94.0	63.8	56.9	67.5
Stage Distribution (%) 2008-2014 ^{ce}									
All Stages									
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
5-Year Relative Survival (Percent), 2008-2014 ^c									
Age at Diagnosis:									
Ages <45	94.5	91.2	96.8	94.3	90.9	96.6	81.3	70.0 ^g	87.6 ^g
Ages 45-54	93.0	90.5	95.8	92.7	89.9	95.7	65.6 ^g	62.3 ^g	68.6 ^g
Ages 55-64	91.8	90.0	94.6	91.3	89.5	94.2	66.5 ^g	54.5 ^g	79.6 ^g
Ages 65-74	92.5	91.3	94.5	92.0	90.7	94.4	60.0 ^g	49.6 ^h	64.8 ^g
Ages 75+	85.9	85.7	86.1	84.6	84.4	85.0	47.2 ^g	41.2 ^h	49.2 ^h
Ages <65	93.0	90.4	95.8	92.6	90.0	95.6	71.4	61.6 ^g	79.4
Ages 65+	89.6	89.0	90.5	88.7	88.0	89.9	54.3 ^g	46.6 ^g	58.0 ^g
Stage ^e :									
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 ^g	84.3
Regional	63.6	61.0	68.1	63.7	61.3	68.1	46.2 ^g	36.4 ^g	56.0 ^g
Distant	22.5	21.1	25.5	22.2	21.1	24.7	27.2 ^g	13.5 ^g	39.8 ^g
Unstaged/Unknown	83.7	81.9	86.0	82.4	80.3	85.1	41.9 ^h	-	-

^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 2015. [Expected survival rates](#) are derived from the U.S. Annual Life Tables.

^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). Expected survival rates are derived from life tables by socio-economic status, geography and race developed by the SEER program.

Based on follow-up of patients into 2015.

^d 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).

^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 2008-2014 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.