

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 | 82.6 | 78.1 | 86.9 | 82.5 | 78.1 | 86.9 | 59.9 ^f | - | - |
| 1978-1980 ^b | 83.2 | 78.1 | 88.1 | 83.2 | 78.1 | 88.2 | 59.7 ^g | - | - |
| 1981-1983 ^b | 83.3 | 78.8 | 87.8 | 83.2 | 78.8 | 87.7 | 60.7 ^f | - | - |
| 1984-1986 ^b | 87.0 | 82.8 | 91.3 | 86.7 | 82.4 | 91.2 | 69.8 ^g | - | - |
| 1987-1989 ^b | 88.5 | 85.4 | 91.8 | 88.3 | 85.3 | 91.5 | 79.3 ^f | - | 89.5 ^f |
| 1990-1992 ^b | 89.5 | 87.1 | 92.1 | 89.5 | 87.2 | 92.1 | 60.1 ^f | - | - |
| 1993-1995 ^b | 90.0 | 87.5 | 92.9 | 89.8 | 87.2 | 92.9 | 67.5 ^f | 63.5 ^f | - |
| 1996-1998 ^b | 91.4 | 89.9 | 93.2 | 91.3 | 89.6 | 93.3 | 75.0 ^f | 70.1 ^g | 78.5 ^f |
| 1999-2006 ^b | 93.0 ^e | 91.1 ^e | 95.1 ^e | 92.9 ^e | 91.0 ^e | 95.1 ^e | 74.1 ^f | 73.7 ^f | 73.6 ^f |
| 5-Year Period Survival (Percent) ^{cd} | | | | | | | | | |
| Year of Diagnosis: | | | | | | | | | |
| 1999-2006 | 91.2 | 89.2 | 93.5 | 90.9 | 88.8 | 93.4 | 79.9 | 72.5 | 84.8 |
| Stage Distribution (%) 1999-2006 ^c | | | | | | | | | |
| All Stages | | | | | | | | | |
| Number of cases | 84,118 | 46,408 | 37,710 | 79,453 | 44,075 | 35,378 | 389 | 167 | 222 |
| Percent | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| Localized | 84 | 82 | 86 | 84 | 82 | 86 | 58 | 51 | 64 |
| Regional | 8 | 9 | 7 | 9 | 9 | 7 | 21 | 21 | 21 |
| Distant | 4 | 4 | 3 | 4 | 5 | 3 | 13 | 19 | 8 |
| Unstaged | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 7 |
| 5-Year Relative Survival (Percent), 1999-2006 ^c | | | | | | | | | |
| Age at Diagnosis: | | | | | | | | | |
| Ages <45 | 94.2 | 91.2 | 96.4 | 94.1 | 91.0 | 96.3 | 74.8 | 67.5 ^f | 78.8 ^f |
| Ages 45-54 | 91.9 | 89.6 | 94.8 | 91.6 | 89.2 | 94.6 | 83.8 ^f | - | 80.0 ^g |
| Ages 55-64 | 91.6 | 89.9 | 94.4 | 91.3 | 89.6 | 94.2 | 81.9 ^f | 75.6 ^f | 88.0 ^f |
| Ages 65-74 | 89.6 | 88.4 | 91.6 | 89.5 | 88.4 | 91.3 | 68.3 ^f | 58.5 ^g | 76.8 ^g |
| Ages 75+ | 84.9 | 83.9 | 86.0 | 84.7 | 83.8 | 85.8 | 57.1 ^f | 51.3 ^g | 56.8 ^g |
| Ages <65 | 92.8 | 90.3 | 95.5 | 92.5 | 90.0 | 95.3 | 78.6 | 75.0 ^f | 81.2 |
| Ages 65+ | 87.8 | 86.9 | 89.0 | 87.7 | 86.9 | 88.8 | 64.0 ^f | 57.5 ^f | 67.2 ^f |
| Stage: | | | | | | | | | |
| All Stages | 91.4 | 89.3 | 93.9 | 91.1 | 89.0 | 93.7 | 74.6 | 70.0 | 77.9 |
| Localized | 98.0 | 97.3 | 98.7 | 97.8 | 97.2 | 98.5 | 92.9 | 89.0 ^f | 94.8 |
| Regional | 62.1 | 58.5 | 67.5 | 62.5 | 58.7 | 68.2 | 44.7 ^f | 55.3 ^g | 33.1 ^g |
| Distant | 15.9 | 14.9 | 18.0 | 15.4 | 14.7 | 17.1 | 32.7 ^f | 31.0 ^f | - |
| Unstaged | 76.0 | 73.2 | 79.7 | 74.8 | 72.0 | 78.5 | 68.4 ^g | - | - |

^a Based on End Results data from a series of hospital registries and one population-based registry.

^b Based on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Based on follow-up of patients into 2007.

^c Based on the 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). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2006. The remaining 13 SEER Areas contribute cases for the entire period 1999-2006. Based on follow-up of patients into 2007.

^d Period survival provides a more up-to-date estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2004-2006: 0-1 year survival),

(2003-2005: 1-2 year survival), (2002-2004: 2-3 year survival), (2001-2003: 3-4 year survival), (2000-2002: 4-5 years survival).

^e The difference between 1975-1977 and 1999-2006 is statistically significant ($p < .05$).

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

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

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