

Table 4.12  
Cancer of the Female Breast (Invasive)

## Survival Rates, by Race, Diagnosis Year, Stage and Age

	All Races, Females			White Females			Black Females		
	All	<50	50+	All	<50	50+	All	<50	50+
<b>5-Year Relative Survival Rates</b>									
Year of Diagnosis:									
1960-1963 <sup>a</sup>	-	-	-	63	-	-	46	-	-
1970-1973 <sup>a</sup>	-	-	-	68	-	-	51	-	-
1975-1977 <sup>b</sup>	75.1	76.7	74.5	75.9	77.9	75.2	62.2	62.3	62.1
1978-1980 <sup>b</sup>	74.9	75.6	74.7	75.6	76.3	75.4	63.9	67.1	62.1
1981-1983 <sup>b</sup>	76.7	77.5	76.5	77.7	78.7	77.4	64.0	65.3	63.4
1984-1986 <sup>b</sup>	79.3	78.0	79.8	80.4	79.7	80.7	65.3	64.0	66.0
1987-1989 <sup>b</sup>	84.3	81.5	85.2	85.4	82.9	86.2	71.3	69.6	72.2
1990-1992 <sup>b</sup>	85.5	83.4	86.3	86.7	85.2	87.3	71.8	70.3	72.8
1993-1995 <sup>b</sup>	86.6	84.3	87.5	88.0	86.3	88.6	72.9	70.1	74.6
1996-1998 <sup>b</sup>	88.5	86.6	89.2	89.6	88.3	90.1	76.5	74.0	78.1
1999-2005 <sup>b</sup>	90.1 <sup>e</sup>	88.4 <sup>e</sup>	90.8 <sup>e</sup>	91.3 <sup>e</sup>	90.2 <sup>e</sup>	91.8 <sup>e</sup>	78.9 <sup>e</sup>	76.7 <sup>e</sup>	80.2 <sup>e</sup>
<b>5-Year Period Survival Rates<sup>cd</sup></b>									
Year of Diagnosis:									
1999-2005	89.3	87.8	89.9	90.6	89.4	91.0	77.4	75.7	78.3
<b>Stage Distribution (%) 1999-2005<sup>c</sup></b>									
All Stages									
Number of cases	272,566	68,325	204,241	227,140	53,060	174,080	24,363	8,063	16,300
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	60	53	63	61	54	64	51	46	53
Regional	33	41	30	32	41	29	39	46	35
Distant	5	4	5	4	3	5	8	7	9
Unstaged	2	2	2	2	2	2	3	2	3
<b>5-Year Relative Survival Rates, 1999-2005<sup>c</sup></b>									
Age at Diagnosis:									
Ages <45	85.9	-	-	87.5	-	-	74.5	-	-
Ages 45-54	89.3	-	-	90.7	-	-	78.2	-	-
Ages 55-64	90.2	-	-	91.2	-	-	78.7	-	-
Ages 65-74	90.9	-	-	91.7	-	-	81.8	-	-
Ages 75+	88.8	-	-	89.8	-	-	76.4	-	-
Ages <65	88.9	-	-	90.2	-	-	77.3	-	-
Ages 65+	90.0	-	-	90.9	-	-	79.8	-	-
Stage:									
All Stages	89.1	87.6	89.8	90.3	89.1	90.8	77.9	76.2	78.9
Localized	98.3	96.0	99.1	98.8	96.5	99.6	93.8	91.6	94.9
Regional	83.5	82.9	83.8	84.8	84.6	85.0	72.1	71.3	72.6
Distant	23.3	28.8	21.7	24.7	33.2	22.5	16.0	15.0	16.4
Unstaged	57.7	72.3	52.9	58.7	76.7	53.5	44.8	49.7	42.2
<i>In Situ</i> <sup>h</sup>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	100.0

<sup>a</sup> Rates are based on End Results data from a series of hospital registries and one population-based registry.

<sup>b</sup> Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Rates are based on follow-up of patients into 2006.

<sup>c</sup> Rates are from 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 2000-2005. The remaining 13 SEER Areas contribute cases for the entire period 1999-2005. Rates are based on follow-up of patients into 2006.

<sup>d</sup> 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 (2003-2005: 0-1 year survival), (2002-2004: 1-2 year survival), (2001-2003: 2-3 year survival), (2000-2002: 3-4 year survival), (1999-2001: 4-5 years survival).

<sup>e</sup> The difference in rates between 1975-1977 and 1999-2005 is statistically significant ( $p < .05$ ).

<sup>f</sup> The standard error of the survival rate is between 5 and 10 percentage points.

<sup>g</sup> The standard error of the survival rate is greater than 10 percentage points.

<sup>h</sup> *In situ* cases are not included in the All Stages group.

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