

Table 4.14
Cancer of the Female Breast (Invasive)

5-Year Relative and Period Survival (Percent) by Race, Diagnosis Year, Stage and Age

	All Races, Females			White Females			Black Females		
	All	<50	50+	All	<50	50+	All	<50	50+
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1960-1963 ^a	-	-	-	63	-	-	46	-	-
1970-1973 ^a	-	-	-	68	-	-	51	-	-
1975-1977 ^b	75.1	76.7	74.6	75.9	77.9	75.2	62.2	62.4	62.1
1978-1980 ^b	74.6	75.6	74.3	75.3	76.3	75.0	63.4	67.2	61.5
1981-1983 ^b	76.4	77.5	76.0	77.3	78.7	77.0	63.8	65.4	63.0
1984-1986 ^b	79.2	77.9	79.6	80.2	79.7	80.4	65.2	64.0	65.9
1987-1989 ^b	84.2	81.5	85.2	85.3	82.9	86.1	71.3	69.6	72.3
1990-1992 ^b	85.4	83.4	86.1	86.6	85.2	87.1	71.7	70.4	72.5
1993-1995 ^b	86.5	84.3	87.3	87.8	86.3	88.4	72.7	70.2	74.1
1996-2000 ^b	89.1	87.4	89.7	90.2	89.1	90.5	77.5	75.7	78.6
2001-2007 ^b	90.0 ^e	89.2 ^e	90.3 ^e	91.4 ^e	91.0 ^e	91.6 ^e	77.4 ^e	76.8 ^e	77.7 ^e
5-Year Period Survival (Percent) ^{cd}									
2007	89.2	88.8	89.4	90.5	90.3	90.5	77.7	77.4	77.9
Stage Distribution (%) 2001-2007 ^c									
All Stages									
Number of cases	292,714	73,750	218,964	241,734	56,867	184,867	26,966	8,735	18,231
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	60	53	63	61	54	63	51	47	53
Regional	33	41	30	32	41	30	38	44	35
Distant	5	4	5	5	4	5	8	7	9
Unstaged	2	1	2	2	1	2	2	2	3
5-Year Relative Survival (Percent), 2001-2007 ^c									
Age at Diagnosis:									
Ages <45	86.9	-	-	88.3	-	-	76.0	-	-
Ages 45-54	89.8	-	-	91.2	-	-	78.2	-	-
Ages 55-64	90.1	-	-	91.2	-	-	78.9	-	-
Ages 65-74	90.5	-	-	91.5	-	-	80.0	-	-
Ages 75+	87.2	-	-	88.9	-	-	68.8	-	-
Ages <65	89.2	-	-	90.6	-	-	77.8	-	-
Ages 65+	88.9	-	-	90.2	-	-	75.2	-	-
Stage:									
All Stages	89.1	88.4	89.3	90.4	89.9	90.5	77.0	77.0	77.0
Localized	98.6	96.2	99.3	99.3	96.7	100.0	92.6	91.3	93.1
Regional	83.8	84.6	83.4	85.2	86.3	84.7	72.0	72.8	71.6
Distant	23.3	30.6	21.3	24.7	34.7	22.4	14.8	15.7	14.4
Unstaged	52.4	71.9	47.5	52.0	74.9	47.0	45.2	50.9	43.5
<i>In Situ</i> ^h	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0

^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 2008.

^c 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.

^d 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).

^e The difference between 1975-1977 and 2001-2007 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.

^h *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.