

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	62.5	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	78.0	79.6	80.3	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	83.5	86.1	86.6	85.2	87.1	71.7	70.3	72.6
1993-1995 ^b	86.5	84.3	87.3	87.8	86.3	88.4	72.7	70.3	74.2
1996-1998 ^b	88.4	86.6	89.0	89.5	88.3	89.9	76.3	74.1	77.7
1999-2001 ^b	89.9	88.1	90.5	91.0	89.8	91.4	78.8	76.9	80.0
2002-2008 ^b	90.2 ^f	89.9 ^f	90.3 ^f	91.7 ^f	91.6 ^f	91.7 ^f	78.0 ^f	78.5 ^f	77.8 ^f
5-Year Period Survival (Percent) ^{cd}									
2008	89.2	89.1	89.3	90.5	90.5	90.5	78.4	78.8	78.2
Stage Distribution (%) 2002-2008 ^{ee}									
All Stages									
Number of cases	314,744	79,242	235,502	257,228	60,443	196,785	32,173	10,259	21,914
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	60	54	62	61	54	63	51	47	53
Regional	33	41	30	32	41	30	38	44	36
Distant	5	4	5	5	4	5	8	7	9
Unstaged	2	1	2	2	1	2	2	2	2
5-Year Relative Survival (Percent), 2002-2008 ^c									
Age at Diagnosis:									
Ages <45	87.2	-	-	88.4	-	-	77.3	-	-
Ages 45-54	89.7	-	-	91.2	-	-	78.4	-	-
Ages 55-64	89.8	-	-	90.9	-	-	79.9	-	-
Ages 65-74	90.4	-	-	91.5	-	-	79.7	-	-
Ages 75+	86.8	-	-	88.4	-	-	69.9	-	-
Ages <65	89.2	-	-	90.5	-	-	78.6	-	-
Ages 65+	88.6	-	-	90.0	-	-	75.5	-	-
Stage ^e :									
All Stages	89.0	88.6	89.1	90.3	90.1	90.3	77.7	77.8	77.6
Localized	98.4	96.1	99.1	99.2	96.7	99.8	92.7	91.5	93.3
Regional	83.9	85.0	83.3	85.3	86.9	84.6	72.9	73.3	72.6
Distant	23.8	31.4	21.7	25.1	34.5	22.8	15.4	19.5	13.8
Unstaged	50.7	69.7	46.3	49.7	71.4	45.4	44.4	52.7	41.5
<i>In Situ</i> ^j	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7	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 2009.

^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).

Based on follow-up of patients into 2009.

^d Period survival provides a 2008 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2006-2008: 0-1 year survival),

(2005-2007: 1-2 year survival), (2004-2006: 2-3 year survival), (2003-2005: 3-4 year survival), (2002-2004: 4-5 years survival).

^e Stage at diagnosis is classified using SEER Summary Stage 2000.

^f The difference between 1975-1977 and 2002-2008 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.

^j *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.