

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	74.8	76.5	74.3	75.6	77.8	74.9	62.1	62.3	62.0
1978-1980 ^b	74.4	75.5	74.1	75.1	76.1	74.8	63.2	67.1	61.2
1981-1983 ^b	76.1	77.4	75.7	77.1	78.6	76.7	63.3	64.9	62.6
1984-1986 ^b	78.9	77.8	79.3	80.0	79.5	80.1	65.1	64.0	65.8
1987-1989 ^b	84.0	81.4	85.0	85.1	82.7	85.9	71.2	69.5	72.1
1990-1992 ^b	85.2	83.4	85.9	86.4	85.1	86.9	71.4	70.1	72.3
1993-1995 ^b	86.3	84.2	87.1	87.6	86.2	88.1	72.7	70.2	74.1
1996-1998 ^b	88.2	86.5	88.9	89.3	88.2	89.7	76.1	73.9	77.5
1999-2002 ^b	89.9	88.2	90.5	91.1	89.9	91.5	78.2	76.7	79.1
2003-2009 ^b	90.3 ^f	90.3 ^f	90.4 ^f	91.7 ^f	91.9 ^f	91.7 ^f	79.1 ^f	79.5 ^f	78.9 ^f
5-Year Period Survival (Percent) ^{cd}									
2009	89.5	89.5	89.5	90.6	90.7	90.6	79.7	80.1	79.5
Stage Distribution (%) 2003-2009 ^{ee}									
All Stages									
Number of cases	317,340	79,804	237,536	257,938	60,629	197,309	33,134	10,408	22,726
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	61	54	63	62	55	64	52	47	54
Regional	32	40	30	32	40	29	38	44	35
Distant	5	4	6	5	4	5	8	7	9
Unstaged	2	1	2	2	1	2	2	1	2
5-Year Relative Survival (Percent), 2003-2009 ^c									
Age at Diagnosis:									
Ages <45	87.7	-	-	89.1	-	-	77.7	-	-
Ages 45-54	90.1	-	-	91.4	-	-	79.8	-	-
Ages 55-64	89.9	-	-	90.9	-	-	80.2	-	-
Ages 65-74	90.5	-	-	91.6	-	-	81.2	-	-
Ages 75+	87.1	-	-	88.6	-	-	71.6	-	-
Ages <65	89.5	-	-	90.7	-	-	79.3	-	-
Ages 65+	88.9	-	-	90.1	-	-	77.1	-	-
Stage ^e :									
All Stages	89.2	89.1	89.3	90.4	90.5	90.5	78.7	79.0	78.6
Localized	98.6	96.4	99.3	99.2	96.8	99.9	93.7	92.6	94.2
Regional	84.4	85.8	83.7	85.8	87.7	84.9	73.8	74.2	73.5
Distant	24.3	32.9	21.9	25.4	35.3	23.0	16.1	22.1	13.7
Unstaged	50.0	71.6	45.3	48.4	72.1	44.0	47.8	57.1	45.0
<i>In Situ</i> ^j	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	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 2010.

^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 2010.

^d Period survival provides a 2009 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2007-2009: 0-1 year survival),

(2006-2008: 1-2 year survival), (2005-2007: 2-3 year survival), (2004-2006: 3-4 year survival), (2003-2005: 4-5 years survival).

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

^f The difference between 1975-1977 and 2003-2009 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.