

Table 4.3
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages 50+ by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2006</u>												
All Races	1975-1982	0.9	1982-1987	5.3*	1987-1993	-0.3	1993-1999	1.9*	1999-2006	-2.5*	-1.5*	-2.5*
White	1975-1982	0.9	1982-1987	5.6*	1987-1993	-0.4	1993-1999	2.0*	1999-2006	-2.6*	-1.6*	-2.6*
Black	1975-1994	2.5*	1994-2006	-0.3							-0.3	-0.3
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2006</u>												
All Races	1992-1999	1.6*	1999-2006	-2.5*							-1.6*	-2.5*
White	1992-1999	1.8*	1999-2006	-2.7*							-1.7*	-2.7*
Black	1992-2006	0.1									0.1	0.1
<u>SEER 9 Observed Incidence^a, 1975-2006</u>												
All Races	1975-1982	0.9	1982-1987	5.3*	1987-1993	-0.3	1993-1999	1.8*	1999-2006	-2.7*	-1.7*	-2.7*
White	1975-1982	0.9	1982-1987	5.5*	1987-1993	-0.4	1993-1999	2.0*	1999-2006	-2.8*	-1.8*	-2.8*
Black	1975-1995	2.3*	1995-2006	-0.6							-0.6	-0.6
<u>SEER 13 Observed Incidence^b, 1992-2006</u>												
All Races	1992-1999	1.6*	1999-2006	-2.7*							-1.8*	-2.7*
White	1992-1999	1.8*	1999-2006	-2.9*							-1.9*	-2.9*
White NH ^{ef}	1992-1999	2.0*	1999-2006	-2.9*							-1.8*	-2.9*
Black	1992-1997	1.7	1997-2006	-0.8							-0.8*	-0.8*
Black NH ^{ef}	1992-2006	-0.1									-0.1	-0.1
API ^e	1992-1994	-5.5	1994-1997	8.0	1997-2006	-1.2*					-1.2*	-1.2*
AI/AN ^{eg}	1992-2006	-0.7									-0.7	-0.7
Hispanic ^f	1992-2006	0.1									0.1	0.1
<u>U.S. Cancer Mortality^c, 1975-2006</u>												
All Races	1975-1990	0.6*	1990-2006	-2.0*							-2.0*	-2.0*
White	1975-1990	0.5*	1990-2006	-2.1*							-2.1*	-2.1*
Black	1975-1993	1.6*	1993-2006	-1.2*							-1.2*	-1.2*
<u>U.S. Cancer Mortality^c, 1992-2006</u>												
All Races	1992-1995	-1.2*	1995-1998	-3.2*	1998-2006	-1.7*					-1.9*	-1.7*
White	1992-1994	-0.6	1994-1997	-3.4*	1997-2006	-1.9*					-1.9*	-1.9*
White NH ^{ef}	1992-1994	-0.5	1994-1997	-3.5*	1997-2006	-1.6*					-1.6*	-1.6*
Black	1992-2006	-1.1*									-1.1*	-1.1*
Black NH ^{ef}	1992-2006	-0.9*									-0.9*	-0.9*
API ^e	1992-2006	-0.1									-0.1	-0.1
AI/AN ^{eg}	1992-2006	0.5									0.5	0.5
Hispanic ^f	1992-2006	-1.6*									-1.6*	-1.6*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (<http://srab.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

^b Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

^c Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^d The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

^e API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

^f Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska

Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.

^g Data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

* The APC/AAPC is significantly different from zero ($p < .05$).

- Joinpoint regression line analysis could not be performed on data series.