

Table 4.2
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	1975-1980	-1.3	1980-1986	2.8*	1986-2006	-0.2					-0.2	-0.2
White	1975-1980	-1.1	1980-1986	2.8*	1986-2006	-0.2					-0.2*	-0.2*
Black	1975-1991	1.4*	1991-2006	-0.6*							-0.6*	-0.6*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2006</u>												
All Races	1992-2006	-0.1									-0.1	-0.1
White	1992-2006	-0.1									-0.1	-0.1
Black	1992-2002	-1.4*	2002-2006	2.6							0.4	2.6
<u>SEER 9 Observed Incidence^a, 1975-2006</u>												
All Races	1975-1980	-1.4	1980-1986	2.9*	1986-2006	-0.2*					-0.2*	-0.2*
White	1975-1980	-1.1	1980-1986	2.8*	1986-2006	-0.2*					-0.2*	-0.2*
Black	1975-1991	1.4*	1991-2006	-0.8*							-0.8*	-0.8*
<u>SEER 13 Observed Incidence^b, 1992-2006</u>												
All Races	1992-2006	-0.2									-0.2	-0.2
White	1992-1998	0.6	1998-2006	-0.7*							-0.5*	-0.7*
White NH ^{ef}	1992-1998	0.8*	1998-2006	-0.5*							-0.3	-0.5*
Black	1992-2002	-1.4*	2002-2006	2.2							0.2	2.2
Black NH ^{ef}	1992-2002	-1.5*	2002-2006	2.5							0.3	2.5
API ^e	1992-2004	1.4*	2004-2006	-5.5							-0.1	-2.1
AI/AN ^{eg}	1992-2006	0.7									0.7	0.7
Hispanic ^f	1992-2006	0.0									0.0	0.0
<u>U.S. Cancer Mortality^c, 1975-2006</u>												
All Races	1975-1990	-0.4*	1990-2006	-3.2*							-3.2*	-3.2*
White	1975-1990	-0.6*	1990-2006	-3.6*							-3.6*	-3.6*
Black	1975-1988	1.8*	1988-2006	-1.9*							-1.9*	-1.9*
<u>U.S. Cancer Mortality^c, 1992-2006</u>												
All Races	1992-2006	-3.2*									-3.2*	-3.2*
White	1992-2006	-3.6*									-3.6*	-3.6*
White NH ^{ef}	1992-2006	-3.4*									-3.4*	-3.4*
Black	1992-2006	-2.1*									-2.1*	-2.1*
Black NH ^{ef}	1992-2006	-2.0*									-2.0*	-2.0*
API ^e	1992-2006	-2.1*									-2.1*	-2.1*
AI/AN ^{eg}	1992-2006	-0.8									-0.8	-0.8
Hispanic ^f	1992-2006	-3.1*									-3.1*	-3.1*

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.