

Table 4.2
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints,
Ages <50 by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2010</u>														
All Races	1975-80	-1.5	1980-85	3.2*	1985-10	0.0							0.0	0.0
White	1975-80	-1.1	1980-87	2.7*	1987-94	-0.8	1994-10	0.3*					0.3*	0.3*
Black	1975-77	-6.1	1977-90	1.8*	1990-10	-0.3							-0.3	-0.3
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2010</u>														
All Races	1992-10	0.1											0.1	0.1
White	1992-10	0.1*											0.1*	0.1*
Black	1992-01	-1.1	2001-10	0.9									0.9	0.9
<u>SEER 9 Observed Incidence^a, 1975-2010</u>														
All Races	1975-80	-1.5	1980-85	3.2*	1985-10	0.0							0.0	0.0
White	1975-80	-1.1	1980-87	2.6*	1987-94	-0.8	1994-10	0.2*					0.2*	0.2*
Black	1975-91	1.3*	1991-10	-0.3									-0.3	-0.3
<u>SEER 13 Observed Incidence^b, 1992-2010</u>														
All Races	1992-10	0.1											0.1	0.1
White	1992-10	0.1											0.1	0.1
White NH ^{ef}	1992-10	0.4*											0.4*	0.4*
Black	1992-02	-1.4*	2002-05	4.1	2005-10	-1.3							0.4	-1.3
Black NH ^{ef}	1992-02	-1.4*	2002-05	4.6	2005-10	-1.1							0.7	-1.1
API ^e	1992-10	0.8*											0.8*	0.8*
AI/AN ^{eg}	1992-10	0.0											0.0	0.0
Hispanic ^f	1992-10	-0.1											-0.1	-0.1
<u>U.S. Cancer Mortality^c, 1975-2010</u>														
All Races	1975-90	-0.4*	1990-10	-3.1*									-3.1*	-3.1*
White	1975-91	-0.7*	1991-99	-4.3*	1999-10	-2.6*							-2.6*	-2.6*
Black	1975-87	1.8*	1987-96	-1.2*	1996-10	-2.5*							-2.5*	-2.5*
<u>U.S. Cancer Mortality^c, 1992-2010</u>														
All Races	1992-10	-3.0*											-3.0*	-3.0*
White	1992-10	-3.2*											-3.2*	-3.2*
White NH ^{ef}	1992-10	-3.1*											-3.1*	-3.1*
Black	1992-10	-2.4*											-2.4*	-2.4*
Black NH ^{ef}	1992-10	-2.3*											-2.3*	-2.3*
API ^e	1992-10	-2.8*											-2.8*	-2.8*
AI/AN ^{eg}	1992-10	-2.7*											-2.7*	-2.7*
Hispanic ^f	1992-10	-3.0*											-3.0*	-3.0*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).
^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
^c Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
^d Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
^e The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
^f API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
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, SC, 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.