

Table 4.2
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four 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	2005-14	2010-14
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2014</u>														
All Races	1975-80	-1.3	1980-87	2.7*	1987-94	-0.8	1994-14	0.3*					0.3*	0.3*
White	1975-80	-1.1	1980-87	2.7*	1987-94	-0.8	1994-14	0.3*					0.3*	0.3*
Black	1975-91	1.2*	1991-14	-0.2									-0.2	-0.2
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2014</u>														
All Races	1992-14	0.2*											0.2*	0.2*
White	1992-14	0.2*											0.2*	0.2*
Black	1992-02	-1.3*	2002-05	3.8	2005-14	-0.6							-0.6	-0.6
<u>SEER 9 Observed Incidence^a, 1975-2014</u>														
All Races	1975-80	-1.3	1980-87	2.7*	1987-94	-0.8	1994-14	0.2*					0.2*	0.2*
White	1975-80	-1.1	1980-87	2.6*	1987-94	-0.8	1994-14	0.2*					0.2*	0.2*
Black	1975-91	1.3*	1991-14	-0.2									-0.2	-0.2
<u>SEER 13 Observed Incidence^b, 1992-2014</u>														
All Races	1992-14	0.2*											0.2*	0.2*
White	1992-14	0.1*											0.1*	0.1*
White NH ^{ef}	1992-14	0.4*											0.4*	0.4*
Black	1992-02	-1.3*	2002-05	3.8	2005-14	-0.9*							-0.9*	-0.9*
Black NH ^{ef}	1992-02	-1.4*	2002-05	4.3	2005-14	-0.7							-0.7	-0.7
API ^e	1992-14	0.9*											0.9*	0.9*
AI/AN ^{eg}	1992-14	-0.2											-0.2	-0.2
Hispanic ^f	1992-14	0.1											0.1	0.1
<u>U.S. Cancer Mortality^c, 1975-2014</u>														
All Races	1975-90	-0.4*	1990-07	-3.2*	2007-14	-1.3*							-1.7*	-1.3*
White	1975-90	-0.6*	1990-04	-3.7*	2004-14	-1.7*							-1.7*	-1.7*
Black	1975-87	1.8*	1987-95	-1.2*	1995-14	-2.4*							-2.4*	-2.4*
<u>U.S. Cancer Mortality^c, 1992-2014</u>														
All Races	1992-07	-3.1*	2007-14	-1.4*									-1.8*	-1.4*
White	1992-04	-3.7*	2004-14	-1.7*									-1.7*	-1.7*
White NH ^{ef}	1992-00	-4.1*	2000-14	-2.2*									-2.2*	-2.2*
Black	1992-14	-2.3*											-2.3*	-2.3*
Black NH ^{ef}	1992-96	-0.4	1996-99	-4.3	1999-05	-1.2	2005-08	-4.1	2008-14	-1.5*			-2.4*	-1.5*
API ^e	1992-01	-0.8	2001-08	-5.2*	2008-14	1.4							-0.9	1.4
AI/AN ^{eg}	1992-14	-2.2*											-2.2*	-2.2*
Hispanic ^f	1992-10	-2.9*	2010-14	2.1									-0.7	2.1

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<https://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 New Hampshire and Oklahoma.
^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.