

Table 4.1
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,
All Ages 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	-0.5	1980-87	4.0*	1987-94	-0.2	1994-99	1.8*	1999-04	-2.3*	2004-14	0.4*	0.4*	0.4*
White	1975-80	-0.5	1980-87	4.1*	1987-94	-0.2	1994-99	2.0*	1999-04	-2.4*	2004-14	0.2	0.2	0.2
Black	1975-91	2.2*	1991-14	0.3*									0.3*	0.3*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2014</u>														
All Races	1992-99	1.3*	1999-04	-2.2*	2004-14	0.3							0.3	0.3
White	1992-99	1.5*	1999-04	-2.4*	2004-14	0.1							0.1	0.1
Black	1992-14	0.3*											0.3*	0.3*
<u>SEER 9 Observed Incidence^a, 1975-2014</u>														
All Races	1975-80	-0.5	1980-87	4.0*	1987-94	-0.2	1994-99	1.8*	1999-04	-2.3*	2004-14	0.3	0.3	0.3
White	1975-80	-0.5	1980-87	4.1*	1987-94	-0.2	1994-99	2.0*	1999-04	-2.4*	2004-14	0.1	0.1	0.1
Black	1975-91	2.3*	1991-14	0.3*									0.3*	0.3*
<u>SEER 13 Observed Incidence^b, 1992-2014</u>														
All Races	1992-99	1.3*	1999-04	-2.2*	2004-14	0.2							0.2	0.2
White	1992-99	1.5*	1999-04	-2.3*	2004-14	0.0							0.0	0.0
White NH ^{ef}	1992-99	1.7*	1999-04	-2.3*	2004-14	0.1							0.1	0.1
Black	1992-14	0.2*											0.2*	0.2*
Black NH ^{ef}	1992-14	0.3*											0.3*	0.3*
API ^e	1992-94	-4.6	1994-97	6.9	1997-05	-0.7	2005-14	1.2*					1.2*	1.2*
AI/AN ^{eg}	1992-14	0.1											0.1	0.1
Hispanic ^f	1992-14	0.2											0.2	0.2
<u>U.S. Cancer Mortality^c, 1975-2014</u>														
All Races	1975-90	0.4*	1990-95	-1.8*	1995-98	-3.3*	1998-14	-1.8*					-1.8*	-1.8*
White	1975-90	0.3*	1990-95	-2.0*	1995-98	-3.6*	1998-14	-1.9*					-1.9*	-1.9*
Black	1975-93	1.4*	1993-14	-1.5*									-1.5*	-1.5*
<u>U.S. Cancer Mortality^c, 1992-2014</u>														
All Races	1992-95	-1.2*	1995-98	-3.6*	1998-03	-1.6*	2003-07	-2.3*	2007-14	-1.6*			-1.8*	-1.6*
White	1992-95	-1.5*	1995-98	-3.7*	1998-14	-1.9*							-1.9*	-1.9*
White NH ^{ef}	1992-95	-1.2*	1995-98	-3.7*	1998-14	-1.8*							-1.8*	-1.8*
Black	1992-95	0.4	1995-14	-1.5*									-1.5*	-1.5*
Black NH ^{ef}	1992-95	0.5	1995-14	-1.5*									-1.5*	-1.5*
API ^e	1992-14	-0.9*											-0.9*	-0.9*
AI/AN ^{eg}	1992-05	0.6	2005-14	-3.1*									-3.1*	-3.1*
Hispanic ^f	1992-96	1.4	1996-99	-4.0	1999-11	-1.5*	2011-14	1.1					-0.6	0.5

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
^g 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.
^h The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
ⁱ 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.