

Table 4.1
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2016 With up to Five Joinpoints, 2000-2016 With up to Three 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	2007-16	2012-16
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2016</u>														
All Races	1975-80	-0.5	1980-87	4.0*	1987-94	-0.2	1994-99	1.8*	1999-04	-2.3*	2004-16	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*	2004-16	0.2	0.2	0.2
Black	1975-79	-1.5	1979-86	4.5*	1986-16	0.4*							0.4*	0.4*
<u>SEER 21 Delay-Adjusted Incidence^b, 2000-2016</u>														
All Races	2000-04	-2.1*	2004-16	0.3*									0.3*	0.3*
White	2000-04	-2.2*	2004-16	0.2*									0.2*	0.2*
White NH ^{ef}	2000-04	-2.2*	2004-16	0.3*									0.3*	0.3*
Black	2000-16	0.8*											0.8*	0.8*
Black NH ^{ef}	2000-16	0.8*											0.8*	0.8*
API ^e	2000-16	1.2*											1.2*	1.2*
AI/AN ^{eg}	2000-16	0.8*											0.8*	0.8*
Hispanic ^f	2000-16	0.5*											0.5*	0.5*
<u>U.S. Cancer Mortality^c, 1975-2016</u>														
All Races	1975-90	0.4*	1990-95	-1.7*	1995-98	-3.4*	1998-16	-1.8*					-1.8*	-1.8*
White	1975-90	0.3*	1990-95	-2.0*	1995-98	-3.5*	1998-11	-1.9*	2011-16	-1.3*			-1.6*	-1.3*
Black	1975-93	1.4*	1993-16	-1.5*									-1.5*	-1.5*
<u>U.S. Cancer Mortality^c, 2000-2016</u>														
All Races	2000-08	-2.1*	2008-16	-1.5*									-1.6*	-1.5*
White	2000-08	-2.1*	2008-16	-1.5*									-1.6*	-1.5*
White NH ^{ef}	2000-08	-2.1*	2008-16	-1.5*									-1.6*	-1.5*
Black	2000-16	-1.5*											-1.5*	-1.5*
Black NH ^{ef}	2000-16	-1.4*											-1.4*	-1.4*
API ^e	2000-16	-0.9*											-0.9*	-0.9*
AI/AN ^{eg}	2000-16	-1.1											-1.1	-1.1
Hispanic ^f	2000-16	-1.1*											-1.1*	-1.1*

Joinpoint Regression Program Version 4.7, February 2019, National Cancer Institute. (<https://surveillance.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 21 areas (SEER 9 areas, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

^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.

^g Data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

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