

Table 4.3
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,
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	2007-16	2012-16
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2016</u>														
All Races	1975-82	0.8	1982-87	5.4*	1987-93	-0.3	1993-99	1.9*	1999-05	-2.5*	2005-16	0.5*	0.5*	0.5*
White	1975-82	0.9*	1982-87	5.5*	1987-93	-0.3	1993-00	1.7*	2000-04	-3.9*	2004-16	0.2*	0.2*	0.2*
Black	1975-92	2.6*	1992-16	0.4*									0.4*	0.4*
<u>SEER 21 Delay-Adjusted Incidence^b, 2000-2016</u>														
All Races	2000-04	-2.8*	2004-16	0.3*									0.3*	0.3*
White	2000-04	-3.0*	2004-16	0.2									0.2	0.2
White NH ^{ef}	2000-04	-3.1*	2004-16	0.3*									0.3*	0.3*
Black	2000-16	0.9*											0.9*	0.9*
Black NH ^{ef}	2000-16	0.9*											0.9*	0.9*
API ^e	2000-05	-0.5	2005-16	1.6*									1.6*	1.6*
AI/AN ^{eg}	2000-16	1.2*											1.2*	1.2*
Hispanic ^f	2000-16	0.5*											0.5*	0.5*
<u>U.S. Cancer Mortality^c, 1975-2016</u>														
All Races	1975-90	0.5*	1990-95	-1.6*	1995-98	-3.0*	1998-16	-1.7*					-1.7*	-1.7*
White	1975-89	0.5*	1989-95	-1.4*	1995-98	-3.3*	1998-16	-1.8*					-1.8*	-1.8*
Black	1975-93	1.6*	1993-16	-1.3*									-1.3*	-1.3*
<u>U.S. Cancer Mortality^c, 2000-2016</u>														
All Races	2000-09	-1.9*	2009-16	-1.5*									-1.6*	-1.5*
White	2000-09	-2.0*	2009-16	-1.5*									-1.6*	-1.5*
White NH ^{ef}	2000-09	-1.9*	2009-16	-1.5*									-1.6*	-1.5*
Black	2000-16	-1.4*											-1.4*	-1.4*
Black NH ^{ef}	2000-16	-1.3*											-1.3*	-1.3*
API ^e	2000-16	-0.7*											-0.7*	-0.7*
AI/AN ^{eg}	2000-16	-1.0											-1.0	-1.0
Hispanic ^f	2000-16	-1.0*											-1.0*	-1.0*

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.