

Table 4.4
Cancer of the Female Breast (*In Situ*)

Trends in SEER Incidence^{ab} 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 Observed Incidence^a, 1975-2016</u>														
All Races	1975-81	-3.1	1981-87	25.2*	1987-94	3.8*	1994-98	9.7*	1998-09	1.1*	2009-16	-1.2*	-0.7	-1.2*
White	1975-81	-2.9	1981-87	25.4*	1987-95	4.0*	1995-98	11.1	1998-09	0.9*	2009-16	-1.8*	-1.2*	-1.8*
Black	1975-83	6.2	1983-88	23.2*	1988-93	3.5	1993-98	11.3*	1998-16	1.1*			1.1*	1.1*
<u>SEER 21 Observed Incidence^b, 2000-2016</u>														
All Races	2000-05	0.2	2005-08	4.4	2008-16	-1.2*							-0.6	-1.2*
White	2000-05	0.0	2005-08	4.5	2008-16	-1.8*							-1.2*	-1.8*
White NH ^{ef}	2000-05	-0.1	2005-08	4.9	2008-16	-1.9*							-1.2*	-1.9*
Black	2000-12	3.0*	2012-16	-0.9									1.2*	-0.9
Black NH ^{ef}	2000-12	3.0*	2012-16	-0.8									1.3*	-0.8
API ^e	2000-05	0.4	2005-08	6.5	2008-16	0.5							1.1	0.5
AI/AN ^{eg}	2000-16	0.2											0.2	0.2
Hispanic ^f	2000-13	2.1*	2013-16	-2.2									0.7	-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.