

Table 4.3
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2014 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	1975-82	0.9	1982-87	5.3*	1987-93	-0.3	1993-99	1.9*	1999-05	-2.6*	2005-14	0.6*	0.6*	0.6*
White	1975-82	0.9*	1982-87	5.5*	1987-93	-0.3	1993-00	1.7*	2000-04	-3.9*	2004-14	0.3	0.3	0.3
Black	1975-88	3.2*	1988-14	0.6*									0.6*	0.6*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2014</u>														
All Races	1992-99	1.7*	1999-04	-2.9*	2004-14	0.2							0.2	0.2
White	1992-00	1.4*	2000-04	-3.7*	2004-14	0.1							0.1	0.1
Black	1992-14	0.5*											0.5*	0.5*
<u>SEER 9 Observed Incidence^a, 1975-2014</u>														
All Races	1975-82	0.9	1982-87	5.3*	1987-93	-0.3	1993-99	1.9*	1999-05	-2.5*	2005-14	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	-3.8*	2004-14	0.2	0.2	0.2
Black	1975-92	2.6*	1992-14	0.4*									0.4*	0.4*
<u>SEER 13 Observed Incidence^b, 1992-2014</u>														
All Races	1992-99	1.7*	1999-04	-2.8*	2004-14	0.1							0.1	0.1
White	1992-99	1.8*	1999-04	-2.9*	2004-14	-0.1							-0.1	-0.1
White NH ^{ef}	1992-01	1.3*	2001-04	-5.0*	2004-14	0.2							0.2	0.2
Black	1992-14	0.4*											0.4*	0.4*
Black NH ^{ef}	1992-14	0.4*											0.4*	0.4*
API ^e	1992-99	3.0*	1999-03	-2.5	2003-14	1.1*							1.1*	1.1*
AI/AN ^{eg}	1992-14	0.2											0.2	0.2
Hispanic ^f	1992-14	0.2											0.2	0.2
<u>U.S. Cancer Mortality^c, 1975-2014</u>														
All Races	1975-90	0.5*	1990-95	-1.6*	1995-98	-3.0*	1998-14	-1.8*					-1.8*	-1.8*
White	1975-89	0.5*	1989-95	-1.4*	1995-98	-3.3*	1998-14	-1.8*					-1.8*	-1.8*
Black	1975-93	1.6*	1993-14	-1.3*									-1.3*	-1.3*
<u>U.S. Cancer Mortality^c, 1992-2014</u>														
All Races	1992-95	-1.2*	1995-98	-3.1*	1998-14	-1.8*							-1.8*	-1.8*
White	1992-94	-0.6	1994-97	-3.4*	1997-14	-1.8*							-1.8*	-1.8*
White NH ^{ef}	1992-94	-0.1	1994-97	-3.3*	1997-14	-1.8*							-1.8*	-1.8*
Black	1992-95	0.8	1995-14	-1.3*									-1.3*	-1.3*
Black NH ^{ef}	1992-94	2.4	1994-14	-1.2*									-1.2*	-1.2*
API ^e	1992-14	-0.6*											-0.6*	-0.6*
AI/AN ^{eg}	1992-05	1.2	2005-14	-3.3*									-3.3*	-3.3*
Hispanic ^f	1992-96	1.7	1996-00	-3.4	2000-14	-0.9*							-0.9*	-0.9*

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.