

Table 4.19  
Cancer of the Female Breast (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 18 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2007-2011	Trend 2002-2011 <sup>c</sup>	Trend 2002-2011 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Females	Females	Females
All Races	124.6	-0.4	-0.3
White	128.0	-0.5	-0.5
White Hispanic <sup>e</sup>	95.1	0.1	-
White Non-Hispanic <sup>e</sup>	134.1	-0.4	-
Black	122.8	0.2*	0.1
Asian/Pacific Islander	93.6	0.6	-
Amer Ind/Alaska Nat <sup>f</sup>	79.3	0.0	-
Hispanic <sup>e</sup>	91.3	0.1	-
<u>U.S. Mortality<sup>g</sup></u>			
	Rate 2007-2011	Trend 2002-2011 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
RACE/ETHNICITY	Females	Females	
All Races	22.2	-1.9*	
White	21.7	-1.9*	
White Hispanic <sup>e</sup>	15.4	-1.5*	
White Non-Hispanic <sup>e</sup>	22.2	-1.9*	
Black	30.6	-1.5*	
Asian/Pacific Islander	11.3	-1.0*	
Amer Ind/Alaska Nat			
Total U.S.	12.0	-1.4*	
CHSDA Counties	15.2	-0.5	
Non-CHSDA Counties	8.4	-2.9*	
Hispanic <sup>e</sup>	14.5	-1.5*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, and Rural Georgia.

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

<sup>c</sup> The 2002-2011 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2011.

<sup>d</sup> The 2002-2011 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2011.

<sup>e</sup> 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 2002-2011 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 2002-2011 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2011.

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