

Table 4.18  
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 21 Areas <sup>b</sup>	SEER 21 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2012-2016	Trend 2007-2016 <sup>c</sup>	Trend 2007-2016 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
Race/Ethnicity	Females	Females	Females
All Races	127.5	0.2*	0.3*
White	130.5	0.1	0.1
White Hispanic <sup>e</sup>	99.6	0.2*	-
White Non-Hispanic <sup>e</sup>	136.6	0.2	-
Black	124.0	0.6*	0.3*
Asian/Pacific Islander	100.1	0.9*	-
Amer Ind/Alaska Nat <sup>f</sup>	79.5	0.1	-
Hispanic <sup>e</sup>	97.2	0.4*	-
<u>U.S. Mortality<sup>g</sup></u>			
	Rate 2012-2016	Trend 2007-2016 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
Race/Ethnicity	Females	Females	
All Races	20.6	-1.6*	
White	20.1	-1.6*	
White Hispanic <sup>e</sup>	15.0	-1.0*	
White Non-Hispanic <sup>e</sup>	20.6	-1.6*	
Black	28.1	-1.5*	
Asian/Pacific Islander	11.2	-0.9*	
Amer Ind/Alaska Nat			
Total U.S.	11.4	-0.4	
PRCDA Counties	14.3	-1.1	
Non-PRCDA Counties	8.1	0.9	
Hispanic <sup>e</sup>	14.2	-1.1*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.7, February 2019, 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.

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).

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.

The 2007-2016 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2016.

The 2007-2016 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2016.

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.

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

US Mortality Files, National Center for Health Statistics, CDC.

The 2007-2016 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2016.

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