

Table 2.15
All Cancer Sites (Invasive)

SEER Incidence and U.S. Mortality
Age-Adjusted Rates and Trends^a
By Race/Ethnicity and Sex

SEER Incidence	SEER 21 Areas ^b			SEER 21 Areas ^b			SEER 9 Areas ^b		
	Rate 2012-2016			Trend 2007-2016 ^c			Trend 2007-2016 ^d		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	442.0	481.0	417.1	-1.3*	-2.1*	-0.1*	-1.1*	-2.0*	-0.2*
White	451.7	486.0	430.9	-1.3*	-2.1*	-0.1*	-1.1*	-2.1*	-0.2*
White Hispanic ^e	351.4	372.1	343.9	-1.5*	-3.0*	0.0	-	-	-
White Non-Hispanic ^e	470.1	505.5	448.0	-1.2*	-2.1*	-0.1	-	-	-
Black	442.9	520.8	391.3	-1.5*	-2.7*	-0.3*	-1.7*	-2.9*	-0.6*
Asian/Pacific Islander	297.9	301.1	299.7	-1.0*	-2.2*	0.1	-	-	-
Amer Ind/Alaska Nat ^f	307.6	315.3	306.0	-0.5*	-1.1*	-0.1	-	-	-
Hispanic ^e	345.8	370.4	334.9	-1.2*	-2.6*	0.1	-	-	-
<u>U.S. Mortality^g</u>									
	Rate 2012-2016			Trend 2007-2016 ^h					
	Rate per 100,000 persons			AAPC (%)					
Race/Ethnicity	Total	Males	Females	Total	Males	Females			
All Races	161.0	193.1	137.7	-1.5*	-1.8*	-1.4*			
White	161.5	193.0	138.3	-1.4*	-1.7*	-1.3*			
White Hispanic ^e	120.0	145.8	101.8	-1.1*	-1.5*	-0.9*			
White Non-Hispanic ^e	165.4	197.3	141.9	-1.4*	-1.6*	-1.3*			
Black	185.6	233.5	156.0	-2.1*	-2.7*	-1.6*			
Asian/Pacific Islander	100.0	118.6	86.6	-1.3*	-1.6*	-1.0*			
Amer Ind/Alaska Nat									
Total U.S.	108.8	129.6	93.1	-1.7*	-1.7*	-1.8*			
PRCDA Counties	146.7	176.3	124.9	-0.9*	-0.8*	-1.2*			
Non-PRCDA Counties	65.8	78.0	56.2	-2.5*	-2.8*	-2.4*			
Hispanic ^e	113.5	138.1	96.2	-1.3*	-1.6*	-1.0*			

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).