

Table 22.15
Cancer of the Pancreas (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	12.9	14.6	11.5	0.4	0.4*	0.7*	0.3	0.1	0.9*
White	13.0	14.8	11.4	0.5*	0.4	0.8*	0.4	0.2	1.0*
White Hispanic ^e	11.7	12.5	11.0	0.3	0.3	0.3	-	-	-
White Non-Hispanic ^e	13.2	15.1	11.5	0.6*	0.5	0.8*	-	-	-
Black	15.2	16.7	14.0	0.2	0.3	0.1	-0.1	-0.3*	0.1
Asian/Pacific Islander	9.8	10.8	9.1	0.4*	0.4	0.5	-	-	-
Amer Ind/Alaska Nat ^f	9.5	11.4	8.0	-0.2	1.8	-2.2*	-	-	-
Hispanic ^e	11.3	12.0	10.7	0.3*	0.4	0.3	-	-	-
<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	11.0	12.6	9.6	0.3*	0.3*	0.2*			
White	10.9	12.6	9.4	0.4*	0.4*	0.3*			
White Hispanic ^e	9.0	10.0	8.1	0.2	0.2	0.1			
White Non-Hispanic ^e	11.1	12.9	9.5	0.4*	0.4*	0.4*			
Black	13.3	14.8	12.2	-0.3*	-0.3*	-0.3*			
Asian/Pacific Islander	7.6	8.2	7.1	0.2	0.1	0.2			
Amer Ind/Alaska Nat									
Total U.S.	6.7	7.2	6.3	0.2	0.2	0.0			
PRCDA Counties	8.9	9.9	8.0	0.8	-0.7	0.2			
Non-PRCDA Counties	4.3	4.3	4.3	-0.5	-1.2	0.2			
Hispanic ^e	8.5	9.4	7.7	0.0	0.1	0.0			

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.

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

b 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).

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

d 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.

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

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

g 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.

h 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).