

Table 11.15
Cancer of the Kidney and Renal Pelvis (Invasive)

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

SEER Incidence	SEER 18 Areas ^b			SEER 13 Areas ^b			SEER 9 Areas ^b		
	Rate 2008-2012			Trend 2003-2012 ^c			Trend 2003-2012 ^d		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	15.6	21.3	10.8	1.4*	1.5*	1.2*	1.4*	1.6	1.2
White	16.1	21.9	11.1	1.4*	1.3*	1.3*	1.4*	1.3*	1.2
White Hispanic ^e	16.1	21.2	12.1	1.2	0.4	2.8*	-	-	-
White Non-Hispanic ^e	16.1	22.1	11.0	1.4*	1.5*	1.0*	-	-	-
Black	18.1	25.1	12.8	1.1	2.5*	2.3*	2.8*	2.9*	2.7*
Asian/Pacific Islander	8.2	11.6	5.5	2.1	2.4*	1.1	-	-	-
Amer Ind/Alaska Nat ^f	18.8	24.8	13.9	1.5*	1.5*	1.5	-	-	-
Hispanic ^e	15.4	20.2	11.6	1.3	0.5	2.7*	-	-	-
<u>U.S. Mortality^g</u>									
	Rate 2008-2012			Trend 2003-2012 ^h					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	3.9	5.7	2.5	-0.9*	-0.8*	-1.3*			
White	4.0	5.9	2.6	-0.5*	-0.7*	-1.3*			
White Hispanic ^e	3.7	5.3	2.5	0.1	0.0	0.2			
White Non-Hispanic ^e	4.0	5.9	2.6	-0.8*	-0.4*	-1.4*			
Black	3.8	5.6	2.5	-0.9*	-0.7*	-0.6*			
Asian/Pacific Islander	1.9	2.9	1.2	0.1	0.4	-0.1			
Amer Ind/Alaska Nat									
Total U.S.	4.4	5.8	3.2	-0.8	-5.1	-1.1			
CHSDA Counties	6.6	8.7	4.7	0.1	-0.3	-0.1			
Non-CHSDA Counties	1.9	2.6	1.3	-1.9	-0.9	-2.6			
Hispanic ^e	3.5	5.0	2.4	0.0	-0.1	0.1			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, 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.

a 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).

b 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.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e 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 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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