

Table XI-1
KIDNEY AND RENAL PELVIS CANCER (Invasive)

TRENDS IN SEER INCIDENCE^a AND U.S. MORTALITY^b USING THE JOINTPOINT REGRESSION PROGRAM, 1975-2005
WITH UP TO THREE JOINTPOINTS BY RACE AND SEX

		<u>Joinpoint Trend 1</u>		<u>Joinpoint Trend 2</u>		<u>Joinpoint Trend 3</u>		<u>Joinpoint Trend 4</u>		<u>AAPC^c</u>	
		<u>Years</u>	<u>APC</u>	<u>Years</u>	<u>APC</u>	<u>Years</u>	<u>APC</u>	<u>Years</u>	<u>APC</u>	<u>1996-2005</u>	<u>2001-2005</u>
<u>SEER Cancer Incidence^a</u>											
All Races	Both Sexes	1975-2005	2.0*							2.0*	2.0*
All Races	Male	1975-2005	1.7*							1.7*	1.7*
All Races	Female	1975-2005	2.2*							2.2*	2.2*
White	Both Sexes	1975-2005	1.9*							1.9*	1.9*
White	Male	1975-2005	1.6*							1.6*	1.6*
White	Female	1975-2005	2.2*							2.2*	2.2*
Black	Both Sexes	1975-2005	2.7*							2.7*	2.7*
Black	Male	1975-2005	2.8*							2.8*	2.8*
Black	Female	1975-2005	2.8*							2.8*	2.8*
<u>SEER Delay-Adjusted Incidence^a</u>											
All Races	Both Sexes	1975-2005	2.0*							2.0*	2.0*
All Races	Male	1975-2005	1.8*							1.8*	1.8*
All Races	Female	1975-2005	2.3*							2.3*	2.3*
White	Both Sexes	1975-1991	2.4*	1991-1997	0.7	1997-2005	2.9*			2.6*	2.9*
White	Male	1975-2005	1.7*							1.7*	1.7*
White	Female	1975-2005	2.3*							2.3*	2.3*
Black	Both Sexes	1975-2005	2.8*							2.8*	2.8*
Black	Male	1975-2005	2.9*							2.9*	2.9*
Black	Female	1975-2005	2.9*							2.9*	2.9*
<u>U.S. Cancer Mortality^b</u>											
All Races	Both Sexes	1975-1992	1.1*	1992-2005	-0.3*					-0.3*	-0.3*
All Races	Male	1975-1992	1.1*	1992-2005	-0.3*					-0.3*	-0.3*
All Races	Female	1975-1992	1.3*	1992-2005	-0.5*					-0.5*	-0.5*
White	Both Sexes	1975-1992	1.1*	1992-2005	-0.2					-0.2	-0.2
White	Male	1975-1992	1.0*	1992-2005	-0.2*					-0.2*	-0.2*
White	Female	1975-1992	1.2*	1992-2005	-0.4*					-0.4*	-0.4*
Black	Both Sexes	1975-1991	2.7*	1991-2005	-0.3					-0.3	-0.3
Black	Male	1975-1990	3.1*	1990-2005	-0.2					-0.2	-0.2
Black	Female	1975-1995	2.3*	1995-2005	-1.1*					-1.1*	-1.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (<http://srab.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint over the time range of 1975-2005.

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

a
b
c
*

Table XI-1a
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

TRENDS IN SEER INCIDENCE^a AND U.S. MORTALITY^b USING THE JOINTPOINT REGRESSION PROGRAM, 1975-2005
 WITH UP TO FOUR JOINTPOINTS BY RACE AND SEX

		<u>Joinpoint Trend 1</u>		<u>Joinpoint Trend 2</u>		<u>Joinpoint Trend 3</u>		<u>Joinpoint Trend 4</u>		<u>Joinpoint Trend 5</u>		<u>AAPC^c</u>
		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-2005
<u>SEER Cancer Incidence^a</u>												
All Races	Both Sexes	1975-2005	2.0*									2.0*
All Races	Male	1975-2005	1.7*									1.7*
All Races	Female	1975-2005	2.2*									2.2*
White	Both Sexes	1975-2005	1.9*									1.9*
White	Male	1975-2005	1.6*									1.6*
White	Female	1975-2005	2.2*									2.2*
Black	Both Sexes	1975-2005	2.7*									2.7*
Black	Male	1975-2005	2.8*									2.8*
Black	Female	1975-2005	2.8*									2.8*
<u>SEER Delay-Adjusted Incidence^a</u>												
All Races	Both Sexes	1975-2005	2.0*									2.0*
All Races	Male	1975-2005	1.8*									1.8*
All Races	Female	1975-2005	2.3*									2.3*
White	Both Sexes	1975-1991	2.4*	1991-1997	0.7	1997-2005	2.9*					2.9*
White	Male	1975-2005	1.7*									1.7*
White	Female	1975-2005	2.3*									2.3*
Black	Both Sexes	1975-2005	2.8*									2.8*
Black	Male	1975-2005	2.9*									2.9*
Black	Female	1975-2005	2.9*									2.9*
<u>U.S. Cancer Mortality^b</u>												
All Races	Both Sexes	1975-1992	1.1*	1992-2005	-0.3*							-0.3*
All Races	Male	1975-1992	1.1*	1992-2005	-0.3*							-0.3*
All Races	Female	1975-1992	1.3*	1992-2005	-0.5*							-0.5*
White	Both Sexes	1975-1992	1.1*	1992-2005	-0.2							-0.2
White	Male	1975-1992	1.0*	1992-2005	-0.2*							-0.2*
White	Female	1975-1992	1.2*	1992-2005	-0.4*							-0.4*
Black	Both Sexes	1975-1991	2.7*	1991-2005	-0.3							-0.3
Black	Male	1975-1990	3.1*	1990-2005	-0.2							-0.2
Black	Female	1975-1995	2.3*	1995-2005	-1.1*							-1.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (<http://srab.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^a Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

^b Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^c The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint over the time range of 1975-2005.

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

Table XI-2
KIDNEY AND RENAL PELVIS CANCER (Invasive)

AGE ADJUSTED SEER INCIDENCE^a RATES BY YEAR, RACE AND SEX

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1975	7.1	10.3	4.5	7.3	10.8	4.6	6.2	8.2	4.3
1976	8.0	11.2	5.5	8.1	11.5	5.6	7.8	11.7	4.7
1977	8.1	11.4	5.5	8.1	11.7	5.5	8.5	11.1	6.4
1978	7.8	11.8	4.8	8.0	12.1	4.9	8.0	11.0	5.7
1979	7.6	11.1	5.0	7.8	11.6	5.1	7.3	8.2	6.3
1980	8.1	11.7	5.4	8.4	12.2	5.6	6.0	8.0	4.4
1981	8.5	12.8	5.3	8.6	13.0	5.3	10.0	15.8	5.8
1982	8.3	11.8	5.7	8.5	12.0	5.8	7.6	11.2	4.9
1983	8.9	13.2	5.7	9.2	13.8	5.8	8.8	13.5	5.5
1984	9.2	13.1	6.2	9.5	13.6	6.3	9.0	12.0	6.9
1985	8.9	13.1	5.8	9.2	13.6	5.9	8.6	11.6	6.2
1986	9.7	13.8	6.6	9.8	14.1	6.7	10.1	15.0	6.6
1987	9.9	14.1	6.7	10.1	14.4	6.9	11.1	15.6	7.5
1988	9.9	14.0	7.0	10.1	14.3	7.0	11.6	15.4	8.8
1989	10.3	14.5	7.1	10.6	15.0	7.2	10.8	15.1	7.8
1990	10.4	14.7	7.1	10.7	15.0	7.4	10.5	15.9	6.6
1991	10.6	15.1	7.2	10.8	15.2	7.3	12.2	18.3	7.7
1992	10.8	15.3	7.4	11.1	15.6	7.7	11.0	16.4	7.2
1993	10.7	14.7	7.6	10.8	14.7	7.7	12.8	17.3	9.4
1994	11.3	15.6	7.9	11.5	16.0	8.0	12.7	18.0	8.7
1995	11.1	15.5	7.6	11.1	15.4	7.7	14.2	21.5	9.2
1996	11.4	15.8	7.9	11.5	16.2	7.8	13.8	17.4	11.1
1997	10.9	15.1	7.6	11.0	15.1	7.7	13.5	19.4	9.3
1998	11.8	16.4	8.2	12.1	16.7	8.4	12.6	17.2	9.1
1999	11.4	15.9	7.8	11.6	16.2	7.9	13.7	18.7	10.1
2000	12.4	17.3	8.5	12.7	17.9	8.4	14.7	19.1	11.8
2001	12.5	17.4	8.6	12.7	17.6	8.7	15.6	22.9	10.3
2002	12.7	17.6	8.8	13.0	17.8	9.0	15.1	22.1	10.2
2003	13.3	17.9	9.6	13.6	18.1	10.0	14.3	21.3	9.2
2004	13.3	18.0	9.4	13.6	18.4	9.6	15.4	21.7	10.7
2005	13.4	18.4	9.4	13.6	18.6	9.5	15.8	22.7	10.8
1975-2005	10.5	14.8	7.2	10.7	15.1	7.3	11.9	16.8	8.3

^a SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

Table XI-3
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

AGE-ADJUSTED U.S. DEATH^a RATES BY YEAR, RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DEATH:									
1975	3.6	5.2	2.4	3.7	5.3	2.5	2.8	4.1	1.8
1976	3.6	5.2	2.4	3.7	5.4	2.5	2.9	4.2	1.9
1977	3.7	5.4	2.4	3.8	5.5	2.5	2.9	4.0	2.0
1978	3.7	5.4	2.4	3.8	5.5	2.5	3.2	4.8	1.9
1979	3.6	5.3	2.4	3.7	5.5	2.4	2.9	4.2	2.0
1980	3.7	5.5	2.4	3.8	5.6	2.4	3.0	4.2	2.0
1981	3.7	5.4	2.5	3.8	5.5	2.6	3.2	4.6	2.1
1982	3.9	5.7	2.5	3.9	5.8	2.6	3.4	4.8	2.4
1983	3.8	5.6	2.6	3.9	5.7	2.7	3.3	4.9	2.1
1984	3.9	5.8	2.6	4.0	5.9	2.6	3.5	4.9	2.4
1985	4.0	5.8	2.7	4.0	5.8	2.7	3.8	6.0	2.4
1986	4.0	5.8	2.8	4.1	5.9	2.8	3.7	5.3	2.5
1987	4.1	6.0	2.8	4.2	6.1	2.8	3.7	5.5	2.4
1988	4.0	5.9	2.7	4.1	5.9	2.8	3.8	5.8	2.4
1989	4.2	6.1	2.8	4.2	6.2	2.8	4.0	6.1	2.6
1990	4.2	6.2	2.8	4.2	6.2	2.8	4.2	6.4	2.8
1991	4.3	6.2	2.9	4.3	6.2	3.0	4.3	6.4	3.0
1992	4.3	6.2	2.9	4.4	6.3	2.9	4.0	5.9	2.6
1993	4.2	6.1	2.8	4.2	6.2	2.8	4.1	6.1	2.7
1994	4.3	6.2	2.9	4.3	6.3	2.9	4.2	6.4	2.8
1995	4.3	6.2	3.0	4.4	6.3	3.0	4.4	6.3	3.1
1996	4.3	6.2	2.8	4.3	6.3	2.9	4.1	5.9	2.9
1997	4.3	6.2	2.9	4.3	6.2	2.9	4.3	6.5	2.8
1998	4.3	6.2	2.8	4.3	6.3	2.9	4.0	6.3	2.5
1999	4.1	5.9	2.7	4.1	6.0	2.7	4.2	6.1	2.8
2000	4.2	6.1	2.8	4.3	6.2	2.8	4.1	6.3	2.7
2001	4.3	6.2	2.8	4.3	6.3	2.8	4.3	6.4	2.8
2002	4.2	6.1	2.8	4.3	6.3	2.8	4.1	5.8	2.8
2003	4.2	6.1	2.7	4.3	6.2	2.8	4.1	6.1	2.7
2004	4.1	5.9	2.7	4.2	6.1	2.8	4.0	5.9	2.7
2005	4.1	5.9	2.7	4.2	6.0	2.8	4.0	6.1	2.6
1975-2005	4.1	5.9	2.7	4.1	6.0	2.8	3.8	5.6	2.6

^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

Table XI-4
KIDNEY AND RENAL PELVIS CANCER (Invasive)

SEER INCIDENCE^a AND U.S. DEATH^b RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE</u>									
<u>AGE AT DIAGNOSIS</u>									
AGE-ADJUSTED RATES, 2001-2005									
All ages	13.2	18.3	9.2	13.7	18.8	9.5	14.8	21.3	10.1
Under 65	7.0	9.3	4.8	7.2	9.4	5.0	8.3	11.7	5.4
65 and over	56.4	80.3	39.2	58.5	83.4	40.4	60.0	87.6	42.5
All ages(IARC world std) ^c	9.3	12.6	6.4	9.6	13.0	6.7	10.6	15.1	7.1
AGE-SPECIFIC RATES, 2001-2005									
<1	1.7	1.9	1.5	1.8	2.0	1.5	-	-	-
1-4	1.8	1.8	1.8	1.9	1.9	1.9	1.8	2.3	1.4
5-9	0.4	0.4	0.5	0.4	0.4	0.4	0.5	-	-
10-14	0.1	-	0.2	0.1	-	0.2	-	-	-
15-19	0.2	0.1	0.2	0.2	-	0.3	-	-	-
20-24	0.3	0.3	0.3	0.3	0.2	0.3	0.5	-	-
25-29	0.7	0.8	0.7	0.7	0.8	0.7	1.0	-	1.1
30-34	1.6	1.8	1.5	1.7	1.9	1.5	1.9	2.1	1.8
35-39	3.4	4.2	2.6	3.5	4.3	2.7	4.0	5.3	2.9
40-44	6.7	8.3	5.0	6.9	8.5	5.2	7.7	10.3	5.4
45-49	11.7	15.5	7.9	12.0	15.9	8.1	14.0	19.2	9.5
50-54	18.5	24.9	12.4	18.9	25.0	12.8	22.9	33.5	14.0
55-59	28.3	38.4	18.8	29.1	38.7	19.7	34.6	51.4	20.6
60-64	40.0	56.0	25.3	41.6	57.7	26.5	44.6	66.6	27.1
65-69	51.0	70.4	34.2	52.9	72.5	35.6	58.1	85.2	37.5
70-74	57.3	80.2	39.1	59.7	83.8	40.1	61.2	85.4	44.2
75-79	64.3	91.2	45.2	66.7	94.8	46.4	70.1	94.7	54.9
80-84	60.9	88.5	43.6	63.2	91.3	45.6	57.4	97.0	35.7
85+	47.0	74.1	34.5	48.4	77.4	35.2	47.3	74.1	36.4
<u>U.S. MORTALITY</u>									
<u>AGE AT DEATH</u>									
AGE-ADJUSTED RATES, 2001-2005									
All ages	4.2	6.0	2.7	4.3	6.2	2.8	4.1	6.1	2.7
Under 65	1.5	2.2	0.9	1.6	2.2	0.9	1.7	2.5	1.0
65 and over	22.4	32.5	15.5	23.0	33.3	15.9	20.6	30.4	14.8
All ages(IARC world std) ^c	2.6	3.7	1.6	2.7	3.8	1.7	2.6	3.9	1.7
AGE-SPECIFIC RATES, 2001-2005									
<1	0.1	-	-	0.1	-	-	-	-	-
1-4	0.1	0.1	0.1	0.1	0.1	0.1	-	-	-
5-9	0.1	0.1	0.1	0.1	0.1	0.1	0.2	-	-
10-14	0.0	0.0	0.0	0.0	-	0.0	-	-	-
15-19	0.0	0.0	0.0	0.0	-	-	-	-	-
20-24	0.1	0.1	0.0	0.0	0.0	-	0.1	-	-
25-29	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	-
30-34	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.7	0.2
35-39	0.4	0.5	0.2	0.3	0.5	0.2	0.6	0.8	0.4
40-44	1.0	1.4	0.6	1.0	1.4	0.6	1.3	1.8	0.8
45-49	2.2	3.1	1.3	2.2	3.2	1.2	2.5	3.5	1.7
50-54	4.2	6.1	2.3	4.3	6.2	2.4	4.4	6.8	2.3
55-59	6.9	10.1	3.9	7.1	10.4	3.9	7.1	10.6	4.2
60-64	11.3	16.6	6.4	11.6	16.8	6.7	11.3	18.0	6.1
65-69	14.8	21.1	9.3	15.4	21.8	9.7	13.2	19.2	8.7
70-74	19.8	28.4	12.9	20.3	28.9	13.3	17.7	27.5	11.1
75-79	24.5	35.0	17.0	24.9	35.5	17.3	24.0	35.7	17.0
80-84	29.6	42.9	21.5	30.2	43.8	21.9	26.5	39.2	19.9
85+	32.8	50.0	25.2	33.4	51.6	25.4	30.1	41.3	25.7

^a SEER 17 areas. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

^b US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

^c Rates are per 100,000 and are age-adjusted to the IARC world standard population.

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

Table XI-5
KIDNEY AND RENAL PELVIS CANCER (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1960-1963 ^a	-	-	-	37	36	39	38	38	37
1970-1973 ^a	-	-	-	46	44	50	44	40	49
1975-1977 ^b	50.9	51.0	50.8	50.7	50.9	50.3	49.7	48.2	52.0 ^f
1978-1980 ^b	54.1	53.8	54.4	53.8	54.1	53.3	57.1	52.0	63.4 ^f
1981-1983 ^b	51.4	52.2	50.0	51.3	52.4	49.5	51.9	51.8	52.0
1984-1986 ^b	55.8	56.3	55.1	56.0	56.6	55.0	54.0	50.5	59.1
1987-1989 ^b	57.9	58.2	57.4	58.5	59.2	57.4	55.8	53.2	58.6
1990-1992 ^b	61.5	61.7	61.3	62.1	62.4	61.6	57.7	55.9	59.4
1993-1995 ^b	62.6	62.5	62.9	63.1	63.6	62.4	58.6	55.2	63.5
1996-2004 ^b	66.7 ^e	65.8 ^e	68.2 ^e	66.6 ^e	65.9 ^e	67.8 ^e	66.1 ^e	64.2 ^e	67.8 ^e
5-YR PERIOD SURVIVAL RATES^{cd}									
YEAR OF DIAGNOSIS:									
1996-2004	68.5	67.9	69.6	68.5	67.7	69.8	65.4	65.0	65.4
STAGE DISTRIBUTION (%) 1996-2004^c									
All Stages									
Number of cases	48,086	29,490	18,596	40,369	24,835	15,534	4,776	2,809	1,967
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	56	55	58	56	55	57	60	60	61
Regional	19	20	18	20	20	19	15	16	14
Distant	20	21	19	20	21	19	19	20	19
Unstaged	5	4	5	5	4	6	5	5	6
5-YR RELATIVE SURVIVAL RATES, 1996-2004^c									
AGE AT DIAGNOSIS:									
<45	80.4	78.1	83.4	81.5	79.4	84.5	73.3	69.0	77.8
45-54	72.1	70.2	76.2	72.2	69.9	76.9	69.1	68.0	70.8
55-64	67.5	66.8	69.0	68.0	67.3	69.4	63.1	60.5	67.0
65-74	63.0	61.8	64.8	62.9	61.6	64.9	62.9	62.9	61.6
75+	52.9	54.8	50.9	53.2	55.7	50.8	48.0	48.7 ^f	46.6
Under 65	71.9	70.2	75.1	72.2	70.5	75.5	68.2	65.4	72.2
65 and over	59.0	59.3	58.5	59.0	59.5	58.5	57.6	59.3	55.1
STAGE:									
All Stages	66.5	66.0	67.3	66.5	66.1	67.2	65.0	63.6	66.3
Localized	89.9	89.6	90.4	90.4	90.1	90.9	86.1	85.3	86.8
Regional	61.3	62.5	59.0	61.3	62.7	58.8	56.2	55.3	55.9
Distant	9.9	10.0	9.6	9.6	10.0	8.9	10.8	8.7	13.6
Unstaged	35.5	37.5	32.7	33.8	36.9	29.6	36.7	33.4 ^f	38.9 ^f

- ^a Rates are based on End Results data from a series of hospital registries and one population-based registry.
- ^b Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Rates are based on follow-up of patients into 2005.
- ^c Rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2004. The remaining 13 SEER Areas contribute cases for the entire period 1996-2004. Rates are based on follow-up of patients into 2005.
- ^d Period survival provides a more up-to-date estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three calendar year blocks (2002-2004: 0-1 year survival), (2001-2003: 1-2 year survival), (2000-2002: 2-3 year survival), (1999-2001: 3-4 year survival), (1998-2000: 4-5 years survival).
- ^e The difference in rates between 1975-1977 and 1996-2004 is statistically significant ($p < .05$).
- ^f The standard error of the survival rate is between 5 and 10 percentage points.
- ^g The standard error of the survival rate is greater than 10 percentage points.
- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table XI-6
KIDNEY AND RENAL PELVIS CANCER (Invasive)

SURVIVAL RATES^a

By Year of Diagnosis

All Races, Males and Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Relative Survival Rates (SEER ^b)																						
1-year	69.7	71.4	74.2	72.2	74.2	74.3	73.1	76.4	77.3	77.6	76.9	77.3	77.5	77.6	76.9	78.4	78.4	80.2	81.7	80.0	82.3	85.3
2-year	60.9	62.5	66.2	64.7	66.2	65.8	65.3	68.8	69.4	69.5	71.4	70.2	70.1	71.0	70.4	71.6	72.3	74.5	74.4	75.4	76.8	
3-year	57.0	57.9	60.8	60.4	61.2	62.6	62.1	66.2	65.2	66.8	67.5	67.6	66.0	68.1	66.6	68.4	68.3	70.0	71.6	72.1		
4-year	53.7	55.0	58.4	57.0	59.2	59.9	59.1	63.9	63.1	63.9	64.1	65.8	64.2	65.2	64.3	65.7	65.4	68.4	69.3			
5-year	51.8	53.4	56.3	54.7	58.0	58.0	57.5	61.2	61.6	61.7	62.3	63.1	62.4	63.8	62.9	64.7	63.6	66.8				
6-year	50.5	51.3	53.9	54.2	55.8	56.0	56.6	59.4	59.6	60.4	60.7	62.1	60.8	62.3	61.2	63.2	62.1					
7-year	48.9	50.4	52.4	53.1	54.2	55.1	55.5	57.1	58.8	58.1	60.4	60.7	59.6	60.9	59.9	61.6						
8-year	47.9	49.4	51.7	51.7	53.4	54.2	54.3	56.4	57.9	57.3	59.0	59.3	58.7	60.6	58.0							
9-year	47.0	48.4	50.5	50.7	52.0	53.8	52.8	55.4	56.5	56.2	58.2	59.0	57.5	60.3								
10-year	46.2	47.5	48.3	49.5	50.9	52.8	50.9	54.7	54.8	55.6	55.9	57.2	56.8									
11-year	45.6	46.5	46.1	48.8	49.7	52.1	49.3	53.8	53.6	53.6	54.7	56.0										
12-year	44.9	46.0	45.8	48.5	48.7	50.5	48.3	52.2	52.9	52.8	54.7											
13-year	44.5	45.6	44.3	47.3	47.8	49.7	48.2	51.5	52.6	51.6												
14-year	43.7	45.2	43.7	45.3	46.7	48.6	48.1	50.3	51.4													
15-year	43.0	45.1	43.2	43.6	46.4	47.9	47.5	48.9														
16-year	42.9	44.9	42.9	43.4	45.8	46.0	47.5															
17-year	42.8	44.7	42.2	42.6	43.8	45.6																
18-year	42.0	44.3	41.2	42.6	42.8																	
19-year	41.3	43.6	39.6	42.6																		
20-year	40.9	43.1	39.6																			

^a

Survival rates are relative rates expressed as percents.

^b

Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table XI-7
KIDNEY AND RENAL PELVIS CANCER (Invasive)

SURVIVAL RATES^a

By Year of Diagnosis

All Races, Males

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Relative Survival Rates (SEER ^b)																						
1-year	70.4	71.5	75.7	73.1	75.9	74.2	71.9	78.0	78.9	78.8	78.1	77.1	79.8	78.5	78.5	78.8	77.8	79.5	81.0	80.5	81.1	85.7
2-year	61.2	62.6	67.2	66.2	67.6	65.8	63.8	69.8	69.9	69.8	71.9	69.5	71.5	72.3	71.2	72.3	71.3	73.4	73.9	75.6	76.6	
3-year	57.0	58.3	61.8	61.5	63.6	62.1	61.5	67.3	66.4	67.2	68.0	66.5	67.4	68.7	67.1	68.6	67.3	68.3	70.9	71.6		
4-year	53.6	55.4	59.2	56.9	61.2	59.9	58.3	64.5	64.8	63.5	64.4	64.7	64.7	65.6	64.5	65.6	64.3	66.5	68.3			
5-year	51.9	53.7	57.6	54.7	59.2	58.0	57.3	61.4	63.0	60.6	62.2	62.3	62.8	64.0	62.5	64.6	62.4	63.9				
6-year	50.6	51.6	54.9	54.1	56.5	55.0	56.1	58.8	60.2	59.6	60.2	61.6	60.3	63.1	60.2	62.6	60.4					
7-year	48.6	50.6	52.6	53.1	54.8	54.7	54.1	56.5	59.1	57.2	59.9	60.3	59.4	61.5	58.8	60.8						
8-year	47.3	49.6	52.0	51.3	53.3	53.7	52.7	55.5	57.5	56.4	58.7	58.8	58.2	60.7	55.7							
9-year	46.6	48.5	49.9	50.0	51.4	53.4	50.7	54.5	56.4	55.5	57.7	58.6	57.4	60.5								
10-year	45.3	47.6	47.9	49.1	50.0	52.3	49.1	53.5	54.6	54.7	55.3	57.2	56.3									
11-year	44.6	46.7	46.0	47.8	48.1	51.3	46.8	52.0	52.9	52.7	54.5	56.0										
12-year	43.6	46.2	45.1	47.4	46.3	49.1	45.7	50.3	52.3	52.0	54.5											
13-year	43.1	45.9	43.5	45.6	44.8	48.7	45.6	49.6	52.0	50.6												
14-year	42.3	44.9	42.8	43.5	43.8	47.6	45.3	48.9	50.1													
15-year	41.3	44.9	42.8	42.3	43.0	46.9	44.4	47.6														
16-year	41.2	44.3	42.6	41.9	42.1	44.8	44.0															
17-year	41.1	44.2	42.0	41.7	40.2	44.2																
18-year	40.4	44.0	40.1	41.7	40.1																	
19-year	39.6	43.3	39.4	41.7																		
20-year	39.0	42.5	39.4																			

^a Survival rates are relative rates expressed as percents.

^b Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table XI-8
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

SURVIVAL RATES^a

By Year of Diagnosis

All Races, Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Relative Survival Rates (SEER ^b)																						
1-year	68.6	71.2	71.5	70.8	71.4	74.4	75.0	73.9	74.6	75.8	75.1	77.5	73.9	76.3	74.5	77.7	79.3	81.4	82.7	79.3	84.1	84.7
2-year	60.3	62.2	64.4	62.5	64.0	65.7	67.6	67.2	68.5	68.9	70.6	71.3	67.9	69.0	69.2	70.6	73.8	76.3	75.3	75.0	77.1	
3-year	56.9	57.3	58.9	58.5	57.3	63.4	63.1	64.5	63.2	66.3	66.7	69.2	63.8	67.1	65.9	68.2	69.8	72.7	72.8	72.8		
4-year	53.9	54.4	56.7	57.2	56.1	59.7	60.4	63.1	60.3	64.5	63.8	67.3	63.4	64.7	64.0	65.8	67.2	71.5	70.6			
5-year	51.6	52.8	54.1	54.6	56.1	58.0	57.8	61.0	59.3	63.4	62.5	64.4	61.7	63.4	63.1	64.8	65.4	71.4				
6-year	50.4	50.9	52.3	54.4	54.6	57.6	57.4	60.3	58.6	61.6	61.2	62.9	61.3	61.1	62.7	64.0	65.0					
7-year	49.3	50.1	52.1	53.0	53.1	55.6	57.4	58.1	58.4	59.2	60.9	61.4	59.9	59.8	61.6	62.9						
8-year	48.8	49.1	51.3	52.5	53.1	54.4	56.3	57.7	58.2	58.4	59.4	60.0	59.4	59.7	61.0							
9-year	47.5	48.2	51.3	51.6	53.0	54.2	56.0	56.9	56.6	57.0	58.8	59.0	57.6	59.7								
10-year	47.4	47.4	49.0	49.8	52.4	52.9	53.5	56.0	55.1	56.8	56.5	57.1	57.6									
11-year	47.2	46.3	46.3	49.8	52.2	52.9	53.1	56.0	54.7	54.9	55.0	55.9										
12-year	46.9	45.7	46.3	49.7	51.8	52.2	51.8	55.1	53.9	53.7	54.6											
13-year	46.7	45.2	45.7	49.7	51.8	51.1	51.8	54.2	53.4	53.1												
14-year	45.9	45.0	45.0	47.8	51.0	49.6	51.8	51.8	53.4													
15-year	45.6	45.0	43.4	45.6	50.9	48.6	51.8	50.5														
16-year	45.5	45.0	42.6	45.2	50.9	47.6	51.8															
17-year	45.3	45.0	42.2	43.8	49.0	47.5																
18-year	44.5	44.8	42.0	43.8	46.7																	
19-year	43.7	43.9	40.0	43.8																		
20-year	43.7	43.9	39.1																			

^a Survival rates are relative rates expressed as percents.

^b Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table XI-9
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
 Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
 Both Sexes, 2003-2005 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer			Risk of Dying from Cancer	
		+10 yrs Percent (95% C.I.)	+20 yrs Percent (95% C.I.)	+30 yrs Percent (95% C.I.)	Eventually Percent (95% C.I.)	Eventually Percent (95% C.I.)
All Races	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.02 (0.02, 0.02)	1.38 (1.37, 1.40)	0.46 (0.46, 0.47)
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.03 (0.03, 0.04)	1.39 (1.37, 1.41)	0.47 (0.46, 0.47)
	20	0.01 (0.01, 0.01)	0.03 (0.03, 0.03)	0.12 (0.12, 0.13)	1.39 (1.38, 1.41)	0.47 (0.47, 0.48)
	30	0.03 (0.03, 0.03)	0.12 (0.12, 0.12)	0.34 (0.33, 0.35)	1.40 (1.38, 1.42)	0.48 (0.47, 0.48)
	40	0.09 (0.09, 0.10)	0.32 (0.31, 0.32)	0.71 (0.70, 0.72)	1.39 (1.37, 1.41)	0.48 (0.47, 0.48)
	50	0.23 (0.22, 0.23)	0.63 (0.62, 0.64)	1.06 (1.04, 1.07)	1.34 (1.32, 1.35)	0.48 (0.47, 0.48)
	60	0.43 (0.42, 0.44)	0.88 (0.87, 0.89)	1.13 (1.11, 1.15)	1.18 (1.16, 1.20)	0.45 (0.45, 0.46)
	70	0.52 (0.51, 0.53)	0.81 (0.80, 0.83)	- (- , -)	0.87 (0.85, 0.89)	0.39 (0.38, 0.39)
80	0.41 (0.40, 0.42)	- (- , -)	- (- , -)	0.49 (0.48, 0.51)	0.28 (0.28, 0.29)	
White	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.02 (0.02, 0.02)	1.44 (1.42, 1.46)	0.48 (0.48, 0.49)
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.04 (0.03, 0.04)	1.45 (1.43, 1.47)	0.49 (0.48, 0.49)
	20	0.01 (0.01, 0.01)	0.03 (0.03, 0.04)	0.13 (0.12, 0.13)	1.45 (1.43, 1.47)	0.49 (0.48, 0.49)
	30	0.03 (0.03, 0.03)	0.12 (0.12, 0.13)	0.35 (0.34, 0.36)	1.46 (1.44, 1.48)	0.49 (0.49, 0.50)
	40	0.10 (0.09, 0.10)	0.33 (0.32, 0.33)	0.73 (0.72, 0.75)	1.45 (1.43, 1.47)	0.50 (0.49, 0.50)
	50	0.24 (0.23, 0.24)	0.66 (0.64, 0.67)	1.10 (1.08, 1.12)	1.39 (1.37, 1.41)	0.49 (0.49, 0.50)
	60	0.45 (0.44, 0.46)	0.92 (0.90, 0.93)	1.18 (1.16, 1.19)	1.22 (1.21, 1.24)	0.47 (0.46, 0.47)
	70	0.54 (0.53, 0.56)	0.84 (0.82, 0.86)	- (- , -)	0.90 (0.88, 0.91)	0.39 (0.39, 0.40)
80	0.42 (0.41, 0.43)	- (- , -)	- (- , -)	0.50 (0.49, 0.52)	0.29 (0.28, 0.29)	
Black	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.02 (0.01, 0.02)	1.23 (1.18, 1.28)	0.37 (0.36, 0.38)
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.04 (0.03, 0.04)	1.25 (1.20, 1.30)	0.38 (0.37, 0.39)
	20	0.01 (0.00, 0.01)	0.04 (0.03, 0.04)	0.14 (0.13, 0.15)	1.26 (1.21, 1.31)	0.38 (0.37, 0.39)
	30	0.03 (0.03, 0.04)	0.13 (0.12, 0.15)	0.38 (0.36, 0.40)	1.27 (1.22, 1.32)	0.38 (0.37, 0.40)
	40	0.11 (0.10, 0.12)	0.35 (0.34, 0.38)	0.74 (0.70, 0.77)	1.27 (1.22, 1.32)	0.39 (0.37, 0.40)
	50	0.26 (0.25, 0.28)	0.66 (0.63, 0.70)	1.03 (0.98, 1.07)	1.23 (1.17, 1.28)	0.39 (0.37, 0.40)
	60	0.45 (0.42, 0.48)	0.86 (0.82, 0.91)	1.05 (1.00, 1.11)	1.09 (1.03, 1.14)	0.37 (0.36, 0.39)
	70	0.52 (0.48, 0.56)	0.75 (0.70, 0.81)	- (- , -)	0.80 (0.74, 0.86)	0.33 (0.31, 0.35)
80	0.38 (0.34, 0.43)	- (- , -)	- (- , -)	0.45 (0.40, 0.51)	0.26 (0.24, 0.28)	

Devcan Version 7.0.0, April 2008, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XI-9 - continued
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
 Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
 Both Sexes, 2003-2005 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer				Risk of Dying from Cancer	
		+10 yrs Percent (95% C.I.)	+20 yrs Percent (95% C.I.)	+30 yrs Percent (95% C.I.)	Eventually Percent (95% C.I.)	Eventually Percent (95% C.I.)	
Asian/ Pacific Islander	0	0.00 (0.00, 0.01)	0.01 (0.00, 0.01)	0.01 (0.01, 0.01)	0.88 (0.82, 0.95)	0.28 (0.24, 0.32)	
	10	0.00 (0.00, 0.00)	0.00 (0.00, 0.01)	0.02 (0.01, 0.02)	0.88 (0.82, 0.95)	0.28 (0.24, 0.33)	
	20	0.00 (0.00, 0.00)	0.02 (0.01, 0.02)	0.06 (0.05, 0.07)	0.88 (0.82, 0.95)	0.28 (0.24, 0.33)	
	30	0.01 (0.01, 0.02)	0.06 (0.05, 0.07)	0.17 (0.16, 0.19)	0.88 (0.82, 0.95)	0.28 (0.24, 0.33)	
	40	0.05 (0.04, 0.05)	0.16 (0.15, 0.18)	0.37 (0.34, 0.39)	0.87 (0.81, 0.95)	0.28 (0.24, 0.33)	
	50	0.12 (0.11, 0.13)	0.32 (0.30, 0.35)	0.58 (0.54, 0.62)	0.84 (0.78, 0.91)	0.28 (0.24, 0.33)	
	60	0.21 (0.19, 0.24)	0.48 (0.44, 0.51)	0.67 (0.63, 0.73)	0.75 (0.69, 0.82)	0.27 (0.23, 0.32)	
	70	0.28 (0.26, 0.31)	0.50 (0.45, 0.55)	- (- , -)	0.58 (0.52, 0.65)	0.24 (0.20, 0.29)	
	80	0.27 (0.23, 0.31)	- (- , -)	- (- , -)	0.37 (0.30, 0.45)	0.19 (0.14, 0.25)	
American Indian/ Alaska Native ^a	0	0.01 (0.00, 0.04)	0.01 (0.00, 0.04)	0.03 (0.01, 0.06)	1.50 (1.26, 1.88)	0.58 (0.49, 0.70)	
	10	0.00 (0.00, 0.01)	0.01 (0.00, 0.03)	0.05 (0.03, 0.08)	1.51 (1.27, 1.90)	0.59 (0.50, 0.72)	
	20	0.01 (0.00, 0.03)	0.05 (0.03, 0.08)	0.19 (0.15, 0.25)	1.52 (1.28, 1.91)	0.59 (0.50, 0.72)	
	30	0.04 (0.02, 0.07)	0.19 (0.14, 0.24)	0.46 (0.38, 0.56)	1.54 (1.29, 1.93)	0.60 (0.51, 0.74)	
	40	0.15 (0.11, 0.20)	0.43 (0.35, 0.53)	0.82 (0.68, 0.98)	1.53 (1.29, 1.94)	0.62 (0.52, 0.75)	
	50	0.30 (0.23, 0.38)	0.70 (0.57, 0.85)	1.19 (0.98, 1.42)	1.45 (1.19, 1.87)	0.62 (0.52, 0.76)	
	60	0.43 (0.32, 0.57)	0.96 (0.76, 1.19)	1.20 (0.96, 1.50)	1.24 (0.99, 1.68)	0.59 (0.49, 0.74)	
	70	0.62 (0.45, 0.83)	0.90 (0.67, 1.21)	- (- , -)	0.95 (0.69, 1.43)	0.48 (0.38, 0.65)	
	80	0.40 (0.22, 0.69)	- (- , -)	- (- , -)	0.46 (0.25, 1.07)	0.29 (0.19, 0.50)	
Hispanic ^b	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.01 (0.01, 0.02)	1.52 (1.45, 1.59)	0.49 (0.47, 0.52)	
	10	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.03 (0.03, 0.03)	1.53 (1.46, 1.60)	0.50 (0.47, 0.53)	
	20	0.01 (0.00, 0.01)	0.03 (0.03, 0.03)	0.11 (0.11, 0.12)	1.53 (1.47, 1.60)	0.50 (0.47, 0.53)	
	30	0.02 (0.02, 0.03)	0.11 (0.10, 0.12)	0.33 (0.31, 0.34)	1.54 (1.47, 1.61)	0.50 (0.48, 0.53)	
	40	0.09 (0.08, 0.09)	0.31 (0.29, 0.32)	0.71 (0.68, 0.74)	1.53 (1.46, 1.60)	0.51 (0.48, 0.54)	
	50	0.23 (0.21, 0.24)	0.63 (0.60, 0.67)	1.11 (1.06, 1.16)	1.48 (1.41, 1.55)	0.50 (0.47, 0.53)	
	60	0.43 (0.40, 0.46)	0.93 (0.88, 0.98)	1.24 (1.18, 1.30)	1.32 (1.25, 1.39)	0.48 (0.45, 0.51)	
	70	0.56 (0.52, 0.60)	0.91 (0.85, 0.97)	- (- , -)	0.99 (0.92, 1.07)	0.41 (0.38, 0.44)	
	80	0.46 (0.41, 0.51)	- (- , -)	- (- , -)	0.57 (0.50, 0.65)	0.31 (0.28, 0.35)	

Devcan Version 7.0.0, April 2008, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

^a Underlying incidence and mortality data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Underlying incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. Underlying mortality data for Hispanics exclude deaths from Minnesota, New Hampshire and North Dakota.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XI-9 - continued
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
 Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
 Males, 2003-2005 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer				Risk of Dying from Cancer	
		+10 yrs Percent (95% C.I.)	+20 yrs Percent (95% C.I.)	+30 yrs Percent (95% C.I.)	Eventually Percent (95% C.I.)	Eventually Percent (95% C.I.)	
All Races	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.02 (0.02, 0.02)	1.75 (1.72, 1.78)	0.59 (0.59, 0.60)	
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.04 (0.04, 0.04)	1.76 (1.74, 1.79)	0.60 (0.59, 0.61)	
	20	0.01 (0.01, 0.01)	0.04 (0.04, 0.04)	0.16 (0.15, 0.16)	1.77 (1.74, 1.80)	0.61 (0.60, 0.61)	
	30	0.03 (0.03, 0.03)	0.15 (0.15, 0.16)	0.44 (0.43, 0.45)	1.79 (1.76, 1.82)	0.61 (0.60, 0.62)	
	40	0.12 (0.12, 0.13)	0.42 (0.41, 0.43)	0.93 (0.92, 0.95)	1.79 (1.76, 1.82)	0.62 (0.61, 0.63)	
	50	0.31 (0.30, 0.31)	0.84 (0.83, 0.86)	1.39 (1.36, 1.41)	1.73 (1.70, 1.76)	0.62 (0.61, 0.63)	
	60	0.58 (0.57, 0.60)	1.17 (1.15, 1.19)	1.48 (1.46, 1.51)	1.54 (1.51, 1.57)	0.59 (0.58, 0.60)	
	70	0.70 (0.68, 0.72)	1.08 (1.05, 1.10)	- (- , -)	1.14 (1.12, 1.17)	0.50 (0.49, 0.51)	
80	0.57 (0.55, 0.60)	- (- , -)	- (- , -)	0.68 (0.65, 0.71)	0.38 (0.37, 0.39)		
White	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.02 (0.02, 0.02)	1.82 (1.79, 1.85)	0.62 (0.61, 0.63)	
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.04 (0.04, 0.04)	1.83 (1.80, 1.86)	0.62 (0.62, 0.63)	
	20	0.01 (0.01, 0.01)	0.04 (0.04, 0.04)	0.16 (0.15, 0.17)	1.84 (1.81, 1.87)	0.63 (0.62, 0.64)	
	30	0.03 (0.03, 0.04)	0.16 (0.15, 0.16)	0.45 (0.44, 0.46)	1.86 (1.82, 1.89)	0.64 (0.63, 0.64)	
	40	0.12 (0.12, 0.13)	0.42 (0.41, 0.43)	0.96 (0.94, 0.98)	1.85 (1.82, 1.88)	0.64 (0.63, 0.65)	
	50	0.31 (0.30, 0.32)	0.87 (0.85, 0.89)	1.44 (1.41, 1.47)	1.79 (1.76, 1.82)	0.64 (0.63, 0.65)	
	60	0.60 (0.58, 0.62)	1.22 (1.19, 1.24)	1.54 (1.51, 1.57)	1.60 (1.56, 1.63)	0.61 (0.60, 0.62)	
	70	0.73 (0.71, 0.75)	1.12 (1.09, 1.14)	- (- , -)	1.18 (1.15, 1.21)	0.52 (0.51, 0.53)	
80	0.59 (0.57, 0.61)	- (- , -)	- (- , -)	0.69 (0.66, 0.72)	0.39 (0.38, 0.40)		
Black	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.02 (0.01, 0.02)	1.54 (1.46, 1.63)	0.46 (0.44, 0.48)	
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.05 (0.04, 0.06)	1.57 (1.50, 1.66)	0.47 (0.45, 0.50)	
	20	0.01 (0.00, 0.01)	0.05 (0.04, 0.06)	0.19 (0.17, 0.21)	1.59 (1.51, 1.67)	0.48 (0.45, 0.50)	
	30	0.04 (0.03, 0.05)	0.18 (0.17, 0.20)	0.53 (0.49, 0.56)	1.62 (1.54, 1.71)	0.48 (0.46, 0.51)	
	40	0.15 (0.13, 0.16)	0.50 (0.47, 0.54)	1.02 (0.97, 1.08)	1.63 (1.55, 1.72)	0.49 (0.47, 0.52)	
	50	0.38 (0.35, 0.41)	0.93 (0.88, 1.00)	1.36 (1.29, 1.44)	1.59 (1.50, 1.68)	0.49 (0.47, 0.52)	
	60	0.65 (0.59, 0.70)	1.14 (1.07, 1.23)	1.38 (1.29, 1.47)	1.41 (1.31, 1.51)	0.48 (0.45, 0.51)	
	70	0.67 (0.60, 0.74)	0.98 (0.89, 1.08)	- (- , -)	1.02 (0.93, 1.13)	0.42 (0.39, 0.45)	
80	0.57 (0.48, 0.67)	- (- , -)	- (- , -)	0.64 (0.54, 0.77)	0.32 (0.28, 0.36)		

Devcan Version 7.0.0, April 2008, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XI-9 - continued
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
 Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
 Males, 2003-2005 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer				Risk of Dying from Cancer	
		+10 yrs Percent (95% C.I.)	+20 yrs Percent (95% C.I.)	+30 yrs Percent (95% C.I.)	Eventually Percent (95% C.I.)	Eventually Percent (95% C.I.)	
Asian/ Pacific Islander	0	0.00 (0.00, 0.01)	0.00 (0.00, 0.01)	0.01 (0.00, 0.01)	1.16 (1.06, 1.28)	0.37 (0.31, 0.46)	
	10	0.00 (0.00, 0.00)	0.00 (0.00, 0.00)	0.02 (0.01, 0.02)	1.17 (1.07, 1.29)	0.38 (0.31, 0.46)	
	20	0.00 (0.00, 0.00)	0.02 (0.01, 0.02)	0.07 (0.06, 0.09)	1.17 (1.07, 1.29)	0.38 (0.31, 0.46)	
	30	0.02 (0.01, 0.02)	0.07 (0.06, 0.09)	0.24 (0.21, 0.26)	1.18 (1.08, 1.30)	0.38 (0.31, 0.46)	
	40	0.06 (0.05, 0.07)	0.22 (0.20, 0.25)	0.51 (0.47, 0.56)	1.17 (1.07, 1.30)	0.38 (0.31, 0.46)	
	50	0.17 (0.15, 0.19)	0.47 (0.42, 0.51)	0.80 (0.73, 0.87)	1.14 (1.03, 1.26)	0.38 (0.31, 0.47)	
	60	0.31 (0.27, 0.35)	0.66 (0.60, 0.73)	0.91 (0.83, 1.00)	1.01 (0.91, 1.14)	0.37 (0.30, 0.46)	
	70	0.39 (0.34, 0.44)	0.67 (0.59, 0.76)	- (- , -)	0.78 (0.67, 0.91)	0.33 (0.25, 0.42)	
	80	0.37 (0.30, 0.45)	- (- , -)	- (- , -)	0.51 (0.40, 0.66)	0.26 (0.18, 0.39)	
American Indian/ Alaska Native ^a	0	0.02 (0.00, 0.07)	0.02 (0.00, 0.07)	0.03 (0.01, 0.08)	1.64 (1.31, 2.36)	0.76 (0.62, 1.00)	
	10	0.00 (0.00, 0.02)	0.01 (0.00, 0.05)	0.06 (0.03, 0.11)	1.66 (1.32, 2.40)	0.77 (0.63, 1.03)	
	20	0.01 (0.00, 0.04)	0.06 (0.03, 0.11)	0.23 (0.16, 0.32)	1.68 (1.33, 2.42)	0.78 (0.64, 1.04)	
	30	0.04 (0.02, 0.09)	0.22 (0.15, 0.31)	0.55 (0.42, 0.71)	1.70 (1.35, 2.47)	0.80 (0.65, 1.06)	
	40	0.18 (0.12, 0.26)	0.53 (0.40, 0.68)	0.98 (0.77, 1.24)	1.72 (1.36, 2.51)	0.83 (0.67, 1.10)	
	50	0.37 (0.26, 0.50)	0.85 (0.64, 1.10)	1.37 (1.06, 1.75)	1.63 (1.25, 2.46)	0.86 (0.69, 1.15)	
	60	0.53 (0.36, 0.76)	1.11 (0.80, 1.49)	1.38 (1.01, 1.89)	1.39 (1.01, 2.29)	0.85 (0.67, 1.17)	
	70	0.69 (0.44, 1.05)	1.02 (0.66, 1.56)	- (- , -)	1.03 (0.66, 2.08)	0.72 (0.53, 1.10)	
	80	0.49 (0.20, 1.09)	- (- , -)	- (- , -)	0.50 (0.20, 2.02)	0.47 (0.28, 1.01)	
Hispanic ^b	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.02 (0.01, 0.02)	1.88 (1.77, 2.00)	0.64 (0.59, 0.69)	
	10	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.03 (0.03, 0.04)	1.89 (1.78, 2.01)	0.65 (0.60, 0.70)	
	20	0.01 (0.00, 0.01)	0.03 (0.03, 0.04)	0.14 (0.12, 0.15)	1.90 (1.79, 2.03)	0.65 (0.60, 0.71)	
	30	0.03 (0.02, 0.03)	0.13 (0.12, 0.14)	0.40 (0.37, 0.42)	1.92 (1.81, 2.04)	0.66 (0.61, 0.71)	
	40	0.11 (0.10, 0.12)	0.38 (0.35, 0.40)	0.90 (0.85, 0.95)	1.92 (1.81, 2.05)	0.66 (0.62, 0.72)	
	50	0.28 (0.26, 0.30)	0.82 (0.77, 0.87)	1.44 (1.36, 1.52)	1.86 (1.75, 2.00)	0.66 (0.61, 0.72)	
	60	0.58 (0.53, 0.63)	1.23 (1.16, 1.32)	1.61 (1.51, 1.72)	1.69 (1.58, 1.83)	0.64 (0.59, 0.70)	
	70	0.76 (0.69, 0.83)	1.19 (1.09, 1.30)	- (- , -)	1.29 (1.17, 1.43)	0.55 (0.49, 0.62)	
	80	0.61 (0.52, 0.71)	- (- , -)	- (- , -)	0.74 (0.62, 0.91)	0.43 (0.36, 0.52)	

Devcan Version 7.0.0, April 2008, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

^a Underlying incidence and mortality data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Underlying incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. Underlying mortality data for Hispanics exclude deaths from Minnesota, New Hampshire and North Dakota.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XI-9 - continued
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
 Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
 Females, 2003-2005 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer			Risk of Dying from Cancer	
		+10 yrs Percent (95% C.I.)	+20 yrs Percent (95% C.I.)	+30 yrs Percent (95% C.I.)	Eventually Percent (95% C.I.)	Eventually Percent (95% C.I.)
All Races	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.02)	0.02 (0.02, 0.02)	1.05 (1.03, 1.07)	0.35 (0.34, 0.35)
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.03 (0.03, 0.03)	1.05 (1.03, 1.07)	0.35 (0.35, 0.36)
	20	0.01 (0.00, 0.01)	0.03 (0.03, 0.03)	0.09 (0.09, 0.10)	1.05 (1.03, 1.07)	0.35 (0.35, 0.36)
	30	0.02 (0.02, 0.02)	0.09 (0.08, 0.09)	0.24 (0.23, 0.25)	1.05 (1.03, 1.07)	0.35 (0.35, 0.36)
	40	0.07 (0.06, 0.07)	0.22 (0.21, 0.23)	0.49 (0.47, 0.50)	1.03 (1.01, 1.05)	0.35 (0.35, 0.36)
	50	0.16 (0.15, 0.16)	0.43 (0.42, 0.44)	0.75 (0.73, 0.77)	0.99 (0.97, 1.01)	0.35 (0.35, 0.36)
	60	0.29 (0.28, 0.30)	0.62 (0.61, 0.64)	0.83 (0.81, 0.85)	0.87 (0.85, 0.89)	0.34 (0.33, 0.34)
	70	0.38 (0.37, 0.39)	0.61 (0.59, 0.62)	- (- , -)	0.66 (0.64, 0.68)	0.30 (0.29, 0.30)
80	0.30 (0.29, 0.32)	- (- , -)	- (- , -)	0.37 (0.36, 0.39)	0.22 (0.22, 0.23)	
White	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.02)	0.02 (0.02, 0.02)	1.09 (1.07, 1.12)	0.36 (0.35, 0.37)
	10	0.00 (0.00, 0.00)	0.01 (0.01, 0.01)	0.03 (0.03, 0.03)	1.09 (1.07, 1.12)	0.36 (0.36, 0.37)
	20	0.01 (0.00, 0.01)	0.03 (0.03, 0.03)	0.10 (0.09, 0.10)	1.09 (1.07, 1.12)	0.36 (0.36, 0.37)
	30	0.02 (0.02, 0.03)	0.09 (0.09, 0.10)	0.25 (0.24, 0.26)	1.09 (1.07, 1.12)	0.36 (0.36, 0.37)
	40	0.07 (0.06, 0.07)	0.23 (0.22, 0.24)	0.51 (0.50, 0.53)	1.08 (1.05, 1.10)	0.37 (0.36, 0.37)
	50	0.16 (0.16, 0.17)	0.45 (0.44, 0.47)	0.79 (0.77, 0.81)	1.03 (1.01, 1.05)	0.36 (0.36, 0.37)
	60	0.30 (0.29, 0.31)	0.65 (0.63, 0.67)	0.86 (0.84, 0.88)	0.91 (0.88, 0.93)	0.35 (0.34, 0.35)
	70	0.39 (0.38, 0.41)	0.63 (0.61, 0.64)	- (- , -)	0.68 (0.66, 0.70)	0.30 (0.30, 0.31)
80	0.31 (0.30, 0.33)	- (- , -)	- (- , -)	0.38 (0.37, 0.40)	0.23 (0.22, 0.23)	
Black	0	0.01 (0.00, 0.01)	0.01 (0.01, 0.02)	0.02 (0.01, 0.02)	0.94 (0.88, 1.00)	0.29 (0.27, 0.31)
	10	0.00 (0.00, 0.01)	0.01 (0.01, 0.01)	0.03 (0.02, 0.04)	0.95 (0.89, 1.02)	0.30 (0.28, 0.31)
	20	0.01 (0.00, 0.01)	0.03 (0.02, 0.03)	0.09 (0.08, 0.11)	0.95 (0.89, 1.02)	0.30 (0.28, 0.31)
	30	0.02 (0.02, 0.03)	0.09 (0.08, 0.10)	0.24 (0.22, 0.26)	0.95 (0.89, 1.02)	0.30 (0.28, 0.32)
	40	0.07 (0.06, 0.08)	0.22 (0.20, 0.25)	0.48 (0.44, 0.52)	0.95 (0.89, 1.02)	0.30 (0.28, 0.32)
	50	0.16 (0.14, 0.18)	0.43 (0.39, 0.47)	0.74 (0.69, 0.80)	0.92 (0.85, 0.99)	0.30 (0.28, 0.32)
	60	0.29 (0.26, 0.33)	0.63 (0.58, 0.69)	0.79 (0.73, 0.86)	0.83 (0.76, 0.90)	0.29 (0.27, 0.31)
	70	0.41 (0.36, 0.45)	0.59 (0.53, 0.66)	- (- , -)	0.64 (0.58, 0.71)	0.27 (0.25, 0.29)
80	0.28 (0.23, 0.33)	- (- , -)	- (- , -)	0.35 (0.29, 0.41)	0.22 (0.20, 0.25)	

Devcan Version 7.0.0, April 2008, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XI-9 - continued
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years, Lifetime Risk of Being Diagnosed with Cancer, and
 Lifetime Risk of Dying from Cancer Given Cancer Free At Current Age
 Females, 2003-2005 By Race/Ethnicity

Race/ Ethnicity	Current Age	Risk of Being Diagnosed with Cancer				Risk of Dying from Cancer	
		+10 yrs Percent (95% C.I.)	+20 yrs Percent (95% C.I.)	+30 yrs Percent (95% C.I.)	Eventually Percent (95% C.I.)	Eventually Percent (95% C.I.)	
Asian/ Pacific Islander	0	0.00 (0.00, 0.01)	0.01 (0.00, 0.01)	0.01 (0.01, 0.02)	0.62 (0.56, 0.71)	0.19 (0.16, 0.25)	
	10	0.00 (0.00, 0.00)	0.00 (0.00, 0.01)	0.02 (0.01, 0.02)	0.62 (0.56, 0.71)	0.19 (0.16, 0.25)	
	20	0.00 (0.00, 0.01)	0.01 (0.01, 0.02)	0.05 (0.04, 0.06)	0.62 (0.56, 0.71)	0.20 (0.16, 0.25)	
	30	0.01 (0.01, 0.02)	0.05 (0.04, 0.06)	0.12 (0.10, 0.14)	0.62 (0.55, 0.71)	0.20 (0.16, 0.25)	
	40	0.04 (0.03, 0.04)	0.11 (0.09, 0.12)	0.23 (0.21, 0.26)	0.61 (0.54, 0.70)	0.20 (0.16, 0.25)	
	50	0.07 (0.06, 0.09)	0.20 (0.18, 0.23)	0.39 (0.35, 0.43)	0.58 (0.52, 0.67)	0.19 (0.15, 0.25)	
	60	0.13 (0.11, 0.16)	0.32 (0.29, 0.37)	0.48 (0.42, 0.54)	0.52 (0.46, 0.62)	0.18 (0.15, 0.24)	
	70	0.21 (0.17, 0.24)	0.37 (0.31, 0.42)	- (- , -)	0.42 (0.35, 0.51)	0.17 (0.13, 0.24)	
	80	0.19 (0.15, 0.24)	- (- , -)	- (- , -)	0.25 (0.19, 0.35)	0.13 (0.09, 0.20)	
American Indian/ Alaska Native ^a	0	0.01 (0.00, 0.06)	0.01 (0.00, 0.06)	0.02 (0.01, 0.07)	1.35 (1.04, 1.96)	0.41 (0.31, 0.58)	
	10	0.00 (0.00, 0.02)	0.01 (0.00, 0.04)	0.05 (0.02, 0.10)	1.36 (1.04, 1.98)	0.41 (0.31, 0.59)	
	20	0.01 (0.00, 0.04)	0.05 (0.02, 0.10)	0.16 (0.11, 0.24)	1.37 (1.05, 1.99)	0.42 (0.32, 0.60)	
	30	0.04 (0.02, 0.09)	0.16 (0.10, 0.23)	0.38 (0.28, 0.51)	1.37 (1.05, 2.00)	0.42 (0.32, 0.60)	
	40	0.12 (0.07, 0.18)	0.34 (0.25, 0.47)	0.66 (0.50, 0.87)	1.36 (1.03, 1.99)	0.43 (0.32, 0.61)	
	50	0.23 (0.15, 0.34)	0.56 (0.40, 0.77)	1.01 (0.76, 1.34)	1.28 (0.95, 1.93)	0.41 (0.31, 0.61)	
	60	0.35 (0.22, 0.53)	0.83 (0.58, 1.15)	1.05 (0.74, 1.45)	1.11 (0.78, 1.79)	0.37 (0.26, 0.57)	
	70	0.55 (0.34, 0.85)	0.80 (0.51, 1.22)	- (- , -)	0.87 (0.55, 1.63)	0.30 (0.19, 0.53)	
	80	0.33 (0.13, 0.72)	- (- , -)	- (- , -)	0.43 (0.17, 1.38)	0.17 (0.08, 0.46)	
Hispanic ^b	0	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.01 (0.01, 0.02)	1.20 (1.13, 1.30)	0.37 (0.34, 0.41)	
	10	0.00 (0.00, 0.00)	0.01 (0.00, 0.01)	0.03 (0.02, 0.03)	1.21 (1.13, 1.30)	0.37 (0.34, 0.41)	
	20	0.00 (0.00, 0.01)	0.02 (0.02, 0.03)	0.09 (0.08, 0.10)	1.21 (1.13, 1.30)	0.37 (0.34, 0.41)	
	30	0.02 (0.02, 0.03)	0.09 (0.08, 0.10)	0.26 (0.24, 0.28)	1.21 (1.13, 1.30)	0.38 (0.34, 0.41)	
	40	0.07 (0.06, 0.08)	0.24 (0.22, 0.26)	0.53 (0.49, 0.57)	1.20 (1.12, 1.29)	0.38 (0.34, 0.41)	
	50	0.17 (0.16, 0.19)	0.47 (0.43, 0.50)	0.83 (0.77, 0.88)	1.15 (1.07, 1.24)	0.37 (0.34, 0.41)	
	60	0.30 (0.27, 0.34)	0.67 (0.62, 0.73)	0.94 (0.87, 1.01)	1.01 (0.93, 1.10)	0.35 (0.32, 0.39)	
	70	0.41 (0.36, 0.45)	0.69 (0.63, 0.76)	- (- , -)	0.77 (0.69, 0.86)	0.31 (0.28, 0.35)	
	80	0.36 (0.30, 0.42)	- (- , -)	- (- , -)	0.46 (0.38, 0.55)	0.24 (0.20, 0.28)	

Devcan Version 7.0.0, April 2008, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

^a Underlying incidence and mortality data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Underlying incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. Underlying mortality data for Hispanics exclude deaths from Minnesota, New Hampshire and North Dakota.

- Statistic could not be calculated.

A percent or confidence interval value of 0.00 represents a value that is below 0.005.

Table XI-10
KIDNEY AND RENAL PELVIS CANCER (Invasive)

SEER INCIDENCE AND U.S. MORTALITY
AGE-ADJUSTED RATES AND TRENDS^a
 By Race/Ethnicity and Sex

<u>SEER Incidence</u>	Rate 2001-2005 ^b			Seer 13 Areas ^c Trend 1996-2005 AAPC (%)			SEER 9 Areas ^d Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total Males Females			Total Males Females		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	13.2	18.3	9.2	1.9*	1.7*	2.0*	2.0*	1.7*	2.2*
White	13.7	18.8	9.5	2.0*	1.8*	2.1*	1.9*	1.6*	2.2*
White Hispanic ^e	13.4	17.9	9.8	2.4*	2.1*	2.5*	-	-	-
White Non-Hispanic ^e	13.6	18.8	9.3	2.0*	1.8*	2.0*	-	-	-
Black	14.8	21.3	10.1	2.0*	2.1*	1.7*	2.7*	2.8*	2.8*
Asian/Pacific Islander	6.6	9.1	4.6	1.9*	1.2*	3.2*	-	-	-
Amer Ind/Alaska Nat ^f	15.8	19.5	12.7	-0.5	-0.7	-	-	-	-
Hispanic ^e	13.0	17.4	9.6	2.6*	2.4*	2.6*	-	-	-
<u>U.S. Mortality^g</u>									
	Rate 2001-2005			Trend 1996-2005 ^h					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	4.2	6.0	2.7	-0.3*	-0.3*	-0.5*			
White	4.3	6.2	2.8	-0.2	-0.2*	-0.4*			
White Hispanic ^e	3.8	5.6	2.5	0.4*	0.3	0.4			
White Non-Hispanic ^e	4.3	6.2	2.8	-0.1	-0.1	-0.4*			
Black	4.1	6.1	2.7	-0.2	-0.2	-1.3*			
Asian/Pacific Islander	1.7	2.4	1.2	-1.0	-1.1	-0.5			
Amer Ind/Alaska Nat									
Total U.S.	4.8	6.8	3.1	-0.4	-0.1	-2.0			
CHSDA Counties	6.5	9.3	4.3	-0.1	0.0	-1.3			
Non-CHSDA Counties	2.6	3.7	1.7	-	-	-			
Hispanic ^e	3.7	5.3	2.4	0.4*	0.3	0.5			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, 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).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

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

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

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XI-11
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES^a
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES^a, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	11.8	16.9	7.8	11.9	17.0	7.7	12.4	18.4	8.4
Atlanta	11.8	17.0	7.9	11.8	16.9	7.7	12.8	19.3	8.6
Rural Georgia	11.0	16.0	7.0	12.8	19.2	7.3	7.2	-	-
California	11.9	16.6	8.0	12.6	17.6	8.5	14.4	20.6	9.6
Greater Bay Area	10.9	14.8	7.6	11.7	15.9	8.1	15.5	21.4	10.8
San Francisco-Oakland	10.9	14.9	7.7	11.6	16.0	7.9	15.7	21.4	11.2
San Jose-Monterey	10.8	14.7	7.5	11.8	15.7	8.4	13.6	20.3	-
Los Angeles	11.3	15.9	7.7	12.2	17.2	8.2	13.3	19.4	9.0
Greater California	12.5	17.6	8.3	13.0	18.2	8.7	15.0	21.6	9.5
Connecticut	14.2	19.3	10.1	14.2	19.2	10.3	13.8	21.2	8.3
Detroit	15.1	20.5	10.8	14.7	19.7	10.6	17.3	24.9	12.1
Hawaii	10.5	14.9	6.7	12.3	16.9	7.8	-	-	-
Iowa	14.9	20.1	10.6	14.7	19.9	10.5	16.0	25.7	-
Kentucky	15.7	21.5	11.2	15.6	21.4	11.1	18.6	25.4	13.1
Louisiana	16.9	23.0	12.1	17.5	23.4	12.6	15.7	22.4	11.1
New Jersey	14.7	20.3	10.3	15.2	20.9	10.6	13.5	19.1	9.5
New Mexico	12.2	16.5	8.5	12.0	16.4	8.2	9.9	-	-
Seattle-Puget Sound	13.9	19.3	9.4	14.2	19.5	9.6	18.1	26.2	10.1
Utah	10.5	14.0	7.6	10.7	14.1	7.7	-	-	-
9 SEER Areas ^b	13.1	17.9	9.1	13.3	18.1	9.4	15.3	22.2	10.2
11 SEER Areas ^b	12.5	17.2	8.7	13.0	17.8	9.1	14.7	21.5	9.9
13 SEER Areas ^b	12.5	17.3	8.7	13.0	17.8	9.1	14.6	21.3	9.8
17 SEER Areas ^b	13.2	18.3	9.2	13.7	18.8	9.5	14.8	21.3	10.1

^a Rates are per 100,000 and are 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 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

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

Table XI-12
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES^a
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES^a, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.8	5.7	2.5	3.9	5.7	2.5	3.9	6.5	2.3
Atlanta	3.8	5.7	2.5	3.9	5.6	2.5	4.1	6.9	2.4
Rural Georgia	3.6	-	-	4.1	-	-	-	-	-
California	3.7	5.3	2.5	4.0	5.7	2.6	4.1	6.1	2.6
Greater Bay Area	3.1	4.4	2.2	3.6	5.0	2.5	3.9	5.0	3.0
San Francisco-Oakland	3.2	4.4	2.2	3.6	5.1	2.4	4.0	5.2	3.0
San Jose-Monterey	3.2	4.3	2.3	3.6	4.8	2.6	-	-	-
Los Angeles	3.6	5.3	2.3	3.9	5.7	2.5	4.3	7.0	2.5
Greater California	4.0	5.7	2.6	4.1	5.9	2.7	4.0	5.8	2.6
Connecticut	3.7	5.5	2.4	3.7	5.5	2.4	4.1	5.1	3.4
Detroit	4.3	6.4	2.8	4.4	6.4	2.9	4.0	6.0	2.6
Hawaii	2.4	3.3	1.7	2.8	4.3	-	-	-	-
Iowa	4.9	7.3	3.1	4.9	7.4	3.1	-	-	-
Kentucky	4.8	7.0	3.1	4.8	7.1	3.1	4.1	5.2	3.3
Louisiana	5.4	7.6	3.6	5.5	7.7	3.8	5.0	7.4	3.3
New Jersey	4.0	5.8	2.6	4.2	6.0	2.8	3.5	5.6	2.1
New Mexico	4.5	6.4	2.9	4.3	6.2	2.8	-	-	-
Seattle-Puget Sound	4.1	6.0	2.5	4.2	6.1	2.7	5.2	7.4	-
Utah	3.2	4.5	2.1	3.2	4.6	2.1	-	-	-
9 SEER Areas ^b	3.9	5.7	2.5	4.1	5.9	2.6	4.0	6.0	2.7
11 SEER Areas ^b	3.8	5.5	2.5	4.0	5.8	2.6	4.1	6.2	2.6
13 SEER Areas ^b	3.8	5.5	2.5	4.0	5.8	2.6	4.1	6.2	2.6
17 SEER Areas ^b	4.0	5.8	2.6	4.2	6.0	2.8	4.1	6.2	2.7
Total U.S.	4.2	6.0	2.7	4.3	6.2	2.8	4.1	6.1	2.7

^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are 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 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

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

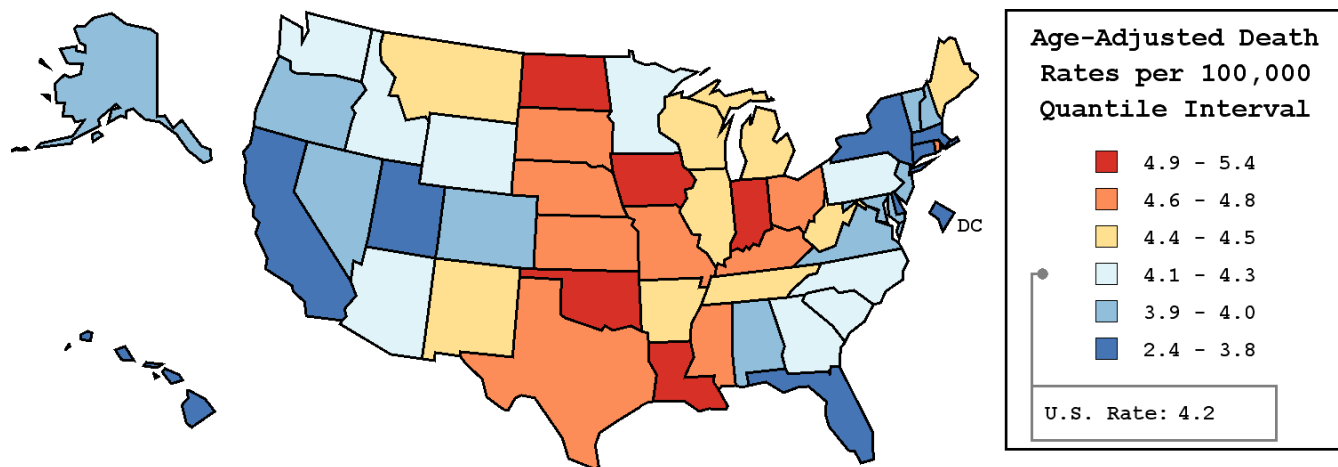
Table XI-13
KIDNEY AND RENAL PELVIS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, ALL RACES, 2001-2005

Males and Females

State	Rate	SE	Rank	PD
TOTAL U.S.	4.2	0.02		
High Five States				
Louisiana	5.4 ^b	0.16	(01)	28.6 ^c
Oklahoma	5.3 ^b	0.17	(02)	26.2 ^c
North Dakota	5.1	0.37	(03)	21.4 ^c
Indiana	5.1 ^b	0.13	(04)	21.4 ^c
Iowa	4.9 ^b	0.17	(05)	16.7 ^c
Low Five States				
Florida	3.5 ^b	0.06	(47)	-16.7 ^c
New York	3.5 ^b	0.06	(48)	-16.7 ^c
Utah	3.2 ^b	0.19	(49)	-23.8 ^c
D.C.	3.1	0.33	(50)	-26.2 ^c
Hawaii	2.4 ^b	0.19	(51)	-42.9 ^c

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	3.9	0.13	(40)	-7.1	Montana	4.5	0.30	(18)	7.1
Alaska	3.9	0.48	(41)	-7.1	Nebraska	4.7	0.23	(10)	11.9
Arizona	4.1	0.12	(32)	-2.4	Nevada	3.9	0.20	(36)	-7.1
Arkansas	4.4	0.17	(21)	4.8	New Hampshire	4.0	0.25	(33)	-4.8
California	3.7 ^b	0.05	(45)	-11.9	New Jersey	4.0	0.09	(35)	-4.8
Colorado	3.9	0.14	(42)	-7.1	New Mexico	4.5	0.22	(17)	7.1
Connecticut	3.7 ^b	0.14	(46)	-11.9	New York	3.5 ^b	0.06	(48)	-16.7 ^c
Delaware	3.8	0.30	(43)	-9.5	North Carolina	4.3	0.10	(24)	2.4
D.C.	3.1	0.33	(50)	-26.2 ^c	North Dakota	5.1	0.37	(03)	21.4 ^c
Florida	3.5 ^b	0.06	(47)	-16.7 ^c	Ohio	4.7 ^b	0.09	(13)	11.9
Georgia	4.1	0.11	(30)	-2.4	Oklahoma	5.3 ^b	0.17	(02)	26.2 ^c
Hawaii	2.4 ^b	0.19	(51)	-42.9 ^c	Oregon	3.9	0.14	(37)	-7.1
Idaho	4.3	0.26	(25)	2.4	Pennsylvania	4.3	0.08	(28)	2.4
Illinois	4.4	0.08	(19)	4.8	Rhode Island	4.7	0.28	(11)	11.9
Indiana	5.1 ^b	0.13	(04)	21.4 ^c	South Carolina	4.2	0.14	(29)	0.0
Iowa	4.9 ^b	0.17	(05)	16.7 ^c	South Dakota	4.8	0.34	(09)	14.3
Kansas	4.6	0.18	(14)	9.5	Tennessee	4.4	0.12	(20)	4.8
Kentucky	4.8 ^b	0.15	(08)	14.3	Texas	4.8 ^b	0.07	(06)	14.3
Louisiana	5.4 ^b	0.16	(01)	28.6 ^c	Utah	3.2 ^b	0.19	(49)	-23.8 ^c
Maine	4.4	0.24	(22)	4.8	Vermont	3.9	0.34	(39)	-7.1
Maryland	3.9	0.12	(38)	-7.1	Virginia	4.0	0.11	(34)	-4.8
Massachusetts	3.8 ^b	0.10	(44)	-9.5	Washington	4.3	0.12	(26)	2.4
Michigan	4.4	0.09	(23)	4.8	West Virginia	4.5	0.20	(16)	7.1
Minnesota	4.3	0.13	(27)	2.4	Wisconsin	4.5	0.13	(15)	7.1
Mississippi	4.7	0.18	(12)	11.9	Wyoming	4.1	0.41	(31)	-2.4
Missouri	4.8 ^b	0.13	(07)	14.3					



^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Difference between state rate and total U.S. rate is statistically significant ($p \leq .0002$).
^c Absolute percent difference between state rate and total U.S. rate is 15% or more.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.

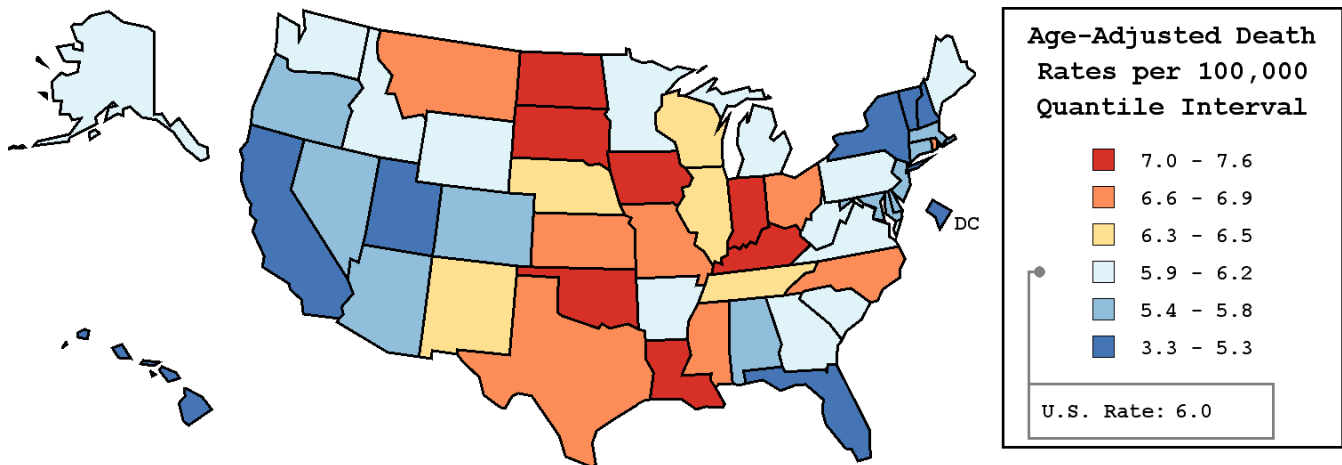
Table XI-14
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, ALL RACES, 2001-2005

Males

State	Rate	SE	Rank	PD
TOTAL U.S.	6.0	0.03		
High Five States				
Louisiana	7.6 ^b	0.29	(01)	26.7 ^c
Oklahoma	7.4 ^b	0.30	(02)	23.3 ^c
Iowa	7.3 ^b	0.32	(03)	21.7 ^c
North Dakota	7.2	0.67	(04)	20.0 ^c
Indiana	7.2 ^b	0.24	(05)	20.0 ^c
Low Five States				
New York	5.1 ^b	0.11	(47)	-15.0 ^c
Vermont	4.9	0.59	(48)	-18.3 ^c
D.C.	4.5	0.63	(49)	-25.0 ^c
Utah	4.5 ^b	0.34	(50)	-25.0 ^c
Hawaii	3.3 ^b	0.33	(51)	-45.0 ^c

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	5.8	0.24	(36)	-3.3	Montana	6.7	0.55	(12)	11.7
Alaska	5.9	0.90	(33)	-1.7	Nebraska	6.4	0.40	(19)	6.7
Arizona	5.7	0.21	(39)	-5.0	Nevada	5.6	0.35	(42)	-6.7
Arkansas	6.1	0.31	(29)	1.7	New Hampshire	5.3	0.45	(45)	-11.7
California	5.3 ^b	0.09	(44)	-11.7	New Jersey	5.8	0.18	(34)	-3.3
Colorado	5.8	0.27	(35)	-3.3	New Mexico	6.4	0.40	(20)	6.7
Connecticut	5.5	0.26	(43)	-8.3	New York	5.1 ^b	0.11	(47)	-15.0 ^c
Delaware	5.7	0.57	(41)	-5.0	North Carolina	6.6	0.20	(15)	10.0
D.C.	4.5	0.63	(49)	-25.0 ^c	North Dakota	7.2	0.67	(04)	20.0 ^c
Florida	5.2 ^b	0.10	(46)	-13.3	Ohio	6.8 ^b	0.16	(11)	13.3
Georgia	6.0	0.21	(32)	0.0	Oklahoma	7.4 ^b	0.30	(02)	23.3 ^c
Hawaii	3.3 ^b	0.33	(51)	-45.0 ^c	Oregon	5.7	0.26	(40)	-5.0
Idaho	6.1	0.46	(31)	1.7	Pennsylvania	6.1	0.14	(30)	1.7
Illinois	6.5	0.16	(16)	8.3	Rhode Island	6.8	0.53	(10)	13.3
Indiana	7.2 ^b	0.24	(05)	20.0 ^c	South Carolina	6.2	0.27	(23)	3.3
Iowa	7.3 ^b	0.32	(03)	21.7 ^c	South Dakota	7.1	0.62	(06)	18.3 ^c
Kansas	6.7	0.33	(13)	11.7	Tennessee	6.5	0.23	(17)	8.3
Kentucky	7.0	0.29	(07)	16.7 ^c	Texas	6.9 ^b	0.13	(09)	15.0 ^c
Louisiana	7.6 ^b	0.29	(01)	26.7 ^c	Utah	4.5 ^b	0.34	(50)	-25.0 ^c
Maine	6.2	0.44	(25)	3.3	Vermont	4.9	0.59	(48)	-18.3 ^c
Maryland	5.7	0.23	(38)	-5.0	Virginia	6.1	0.21	(28)	1.7
Massachusetts	5.8	0.20	(37)	-3.3	Washington	6.2	0.22	(24)	3.3
Michigan	6.2	0.17	(22)	3.3	West Virginia	6.2	0.37	(21)	3.3
Minnesota	6.2	0.24	(26)	3.3	Wisconsin	6.5	0.23	(18)	8.3
Mississippi	6.7	0.34	(14)	11.7	Wyoming	6.1	0.74	(27)	1.7
Missouri	6.9 ^b	0.23	(08)	15.0 ^c					



^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Difference between state rate and total U.S. rate is statistically significant ($p \leq .0002$).
^c Absolute percent difference between state rate and total U.S. rate is 15% or more.
 SE Standard error of the rate.
 PD Percent difference between state rate and total U.S. rate.

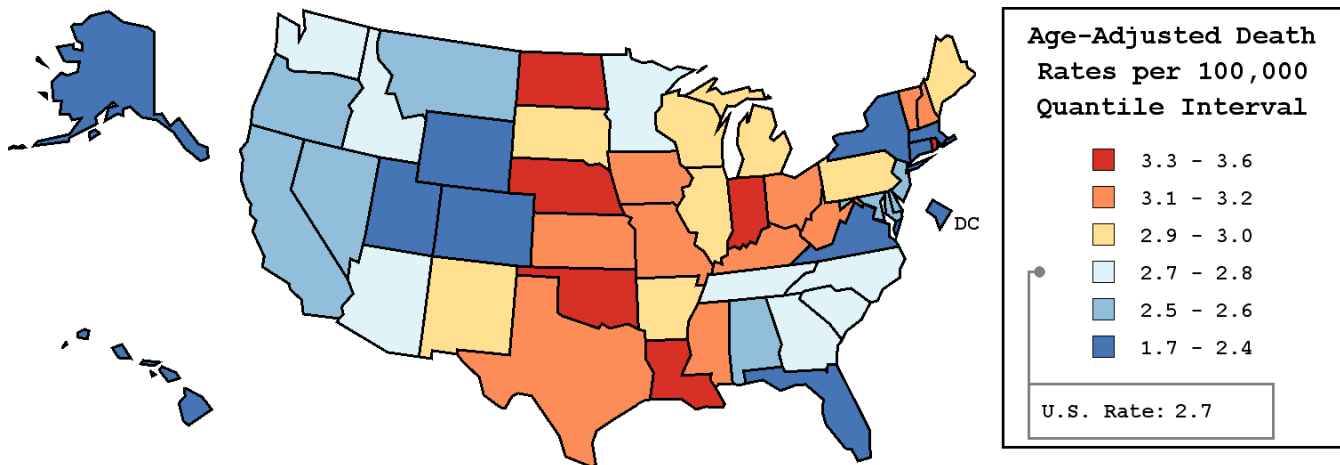
Table XI-15
KIDNEY AND RENAL PELVIS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, ALL RACES, 2001-2005

Females

State	Rate	SE	Rank	PD
TOTAL U.S.	2.7	0.02		
High Five States				
Louisiana	3.6 ^b	0.17	(01)	33.3 ^c
North Dakota	3.6	0.43	(02)	33.3 ^c
Indiana	3.5 ^b	0.14	(03)	29.6 ^c
Oklahoma	3.5 ^b	0.18	(04)	29.6 ^c
Nebraska	3.4	0.26	(05)	25.9 ^c
Low Five States				
Florida	2.1 ^b	0.06	(47)	-22.2 ^c
Utah	2.1	0.21	(48)	-22.2 ^c
D.C.	2.1	0.35	(49)	-22.2 ^c
Alaska	2.0	0.47	(50)	-25.9 ^c
Hawaii	1.7 ^b	0.21	(51)	-37.0 ^c

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	2.5	0.13	(38)	-7.4	Montana	2.6	0.31	(34)	-3.7
Alaska	2.0	0.47	(50)	-25.9 ^c	Nebraska	3.4	0.26	(05)	25.9 ^c
Arizona	2.7	0.13	(31)	0.0	Nevada	2.5	0.22	(39)	-7.4
Arkansas	3.0	0.19	(19)	11.1	New Hampshire	3.1	0.29	(10)	14.8
California	2.5 ^b	0.05	(40)	-7.4	New Jersey	2.6	0.10	(33)	-3.7
Colorado	2.4	0.15	(44)	-11.1	New Mexico	2.9	0.24	(24)	7.4
Connecticut	2.4	0.15	(43)	-11.1	New York	2.4 ^b	0.06	(45)	-11.1
Delaware	2.6	0.33	(35)	-3.7	North Carolina	2.7	0.11	(32)	0.0
D.C.	2.1	0.35	(49)	-22.2 ^c	North Dakota	3.6	0.43	(02)	33.3 ^c
Florida	2.1 ^b	0.06	(47)	-22.2 ^c	Ohio	3.1 ^b	0.09	(11)	14.8
Georgia	2.8	0.12	(25)	3.7	Oklahoma	3.5 ^b	0.18	(04)	29.6 ^c
Hawaii	1.7 ^b	0.21	(51)	-37.0 ^c	Oregon	2.5	0.15	(37)	-7.4
Idaho	2.8	0.28	(28)	3.7	Pennsylvania	2.9	0.08	(22)	7.4
Illinois	2.9	0.09	(23)	7.4	Rhode Island	3.3	0.31	(06)	22.2 ^c
Indiana	3.5 ^b	0.14	(03)	29.6 ^c	South Carolina	2.8	0.15	(27)	3.7
Iowa	3.1	0.18	(13)	14.8	South Dakota	2.9	0.36	(20)	7.4
Kansas	3.1	0.20	(15)	14.8	Tennessee	2.8	0.13	(26)	3.7
Kentucky	3.1	0.16	(14)	14.8	Texas	3.2 ^b	0.08	(07)	18.5 ^c
Louisiana	3.6 ^b	0.17	(01)	33.3 ^c	Utah	2.1	0.21	(48)	-22.2 ^c
Maine	3.0	0.27	(17)	11.1	Vermont	3.1	0.41	(16)	14.8
Maryland	2.6	0.13	(36)	-3.7	Virginia	2.4	0.11	(41)	-11.1
Massachusetts	2.4	0.11	(42)	-11.1	Washington	2.7	0.13	(30)	0.0
Michigan	2.9	0.10	(21)	7.4	West Virginia	3.1	0.22	(12)	14.8
Minnesota	2.7	0.14	(29)	0.0	Wisconsin	3.0	0.14	(18)	11.1
Mississippi	3.2	0.20	(09)	18.5 ^c	Wyoming	2.3	0.40	(46)	-14.8
Missouri	3.2	0.14	(08)	18.5 ^c					



^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Difference between state rate and total U.S. rate is statistically significant ($p \leq .0002$).
^c Absolute percent difference between state rate and total U.S. rate is 15% or more.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.

Table XI-16
KIDNEY AND RENAL PELVIS CANCER (Invasive)

Estimated United States Cancer Prevalence Counts^a on January 1, 2005
By Race/Ethnicity, Sex and Years Since Diagnosis

Years Since Diagnosis	0 to <5	5 to <10	10 to <15	15 to <20	20 to <25	25 to <30	0 to <15 ^e	0 to <30 ^e	>=30 ^g	Complete ^h
<u>Race/Sex</u>										
All Races ^b	105,967	58,131	37,454	21,035	12,406	7,030	201,552	242,021	11,481	253,502
Males	63,208	34,461	22,036	11,751	7,299	3,750	119,705	142,504	6,333	148,837
Females	42,759	23,670	15,418	9,284	5,107	3,280	81,847	99,517	5,148	104,665
White ^b	90,865	49,645	33,011	18,876	11,094	6,342	173,522	209,834	13,090	222,924
Males	54,469	29,869	19,625	10,677	6,755	3,426	103,963	124,821	6,103	130,924
Females	36,396	19,776	13,386	8,199	4,339	2,916	69,559	85,013	6,987	92,000
Black ^b	11,109	6,423	3,492	1,785	1,057	556	21,022	24,422	1,954	26,376
Males	6,308	3,349	1,859	854	421	234	11,515	13,025	698	13,723
Females	4,801	3,074	1,633	931	636	322	9,507	11,397	1,256	12,653
Asian/Pacific Islander ^c	2,199	1,087	473	+	+	+	3,759	+	+	+
Males	1,374	662	288	+	+	+	2,324	+	+	+
Females	825	425	185	+	+	+	1,435	+	+	+
Hispanic ^d	8,039	3,879	2,227	+	+	+	14,145	+	+	+
Males	4,713	2,157	1,226	+	+	+	8,096	+	+	+
Females	3,326	1,722	1,001	+	+	+	6,049	+	+	+

Estimated prevalence percent^a on January 1, 2005, of the SEER 11 population diagnosed in the previous 15 years
By Age at Prevalence, Race/Ethnicity and Sex

Age at Prevalence	Age Specific (Crude)										Age-Adjusted ^f
	All Ages	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	All Ages
<u>Race/Sex</u>											
All Races ^c	0.0601%	0.0065%	0.0088%	0.0024%	0.0096%	0.0372%	0.1041%	0.2116%	0.2893%	0.2642%	0.0626%
Males	0.0729%	0.0063%	0.0078%	0.0022%	0.0103%	0.0449%	0.1379%	0.2874%	0.3967%	0.3847%	0.0833%
Females	0.0475%	0.0067%	0.0098%	0.0026%	0.0090%	0.0296%	0.0720%	0.1434%	0.2071%	0.1977%	0.0459%
White ^c	0.0657%	0.0066%	0.0096%	0.0023%	0.0102%	0.0388%	0.1085%	0.2244%	0.3038%	0.2758%	0.0657%
Males	0.0796%	0.0068%	0.0087%	0.0021%	0.0110%	0.0460%	0.1422%	0.3016%	0.4164%	0.4092%	0.0872%
Females	0.0519%	0.0065%	0.0105%	0.0024%	0.0093%	0.0313%	0.0756%	0.1531%	0.2156%	0.2031%	0.0481%
Black ^c	0.0516%	0.0074%	0.0097%	0.0041%	0.0113%	0.0413%	0.1207%	0.2193%	0.3055%	0.2587%	0.0671%
Males	0.0607%	0.0058%	0.0079%	0.0039%	0.0115%	0.0508%	0.1687%	0.2991%	0.4148%	0.3367%	0.0883%
Females	0.0433%	0.0090%	0.0117%	0.0044%	0.0111%	0.0330%	0.0808%	0.1569%	0.2332%	0.2211%	0.0519%
Asian/Pacific Islander ^c	0.0315%	0.0032%	0.0025%	-	0.0049%	0.0205%	0.0554%	0.1068%	0.1689%	0.1603%	0.0340%
Males	0.0400%	0.0025%	0.0021%	-	0.0047%	0.0290%	0.0768%	0.1558%	0.2354%	0.2180%	0.0468%
Females	0.0235%	0.0039%	0.0030%	-	0.0051%	0.0127%	0.0366%	0.0656%	0.1206%	0.1219%	0.0238%
Hispanic ^d	0.0333%	0.0055%	0.0066%	0.0016%	0.0082%	0.0327%	0.0952%	0.1989%	0.3130%	0.2676%	0.0609%
Males	0.0367%	0.0054%	0.0046%	0.0013%	0.0083%	0.0361%	0.1193%	0.2600%	0.4318%	0.3604%	0.0783%
Females	0.0297%	0.0056%	0.0087%	0.0020%	0.0080%	0.0291%	0.0726%	0.1476%	0.2271%	0.2142%	0.0476%

^a US 2005 cancer prevalence counts are based on 2005 cancer prevalence proportions from the SEER registries and 1/1/2005 US population estimates based on the average of 2004 and 2005 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

^{b c d} Statistics based on (b) SEER 9 Areas (c) SEER 11 Areas and Rural Georgia (d) NHIA for Hispanic for SEER 11 Areas and Rural Georgia.

^e Maximum limited-duration prevalence: 30 years for 1975-2005 SEER 9 data; 15 years for 1990-2005 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).

^f Percentages are age-adjusted to the 2000 US Standard Population (19 age groups - Census P25-1130) by 5-year age groups.

^{g h} (g) Cases diagnosed more than 30 years ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (h) Complete prevalence is obtained by summing 0 to <30 and >=30.

- Statistic not shown. Statistic based on fewer than 5 cases estimated alive in SEER for the time interval.

+ Not available.

SEER Incidence, Delay Adjusted Incidence and US Death Rates^a Kidney and Renal Pelvis Cancer, by Race and Sex

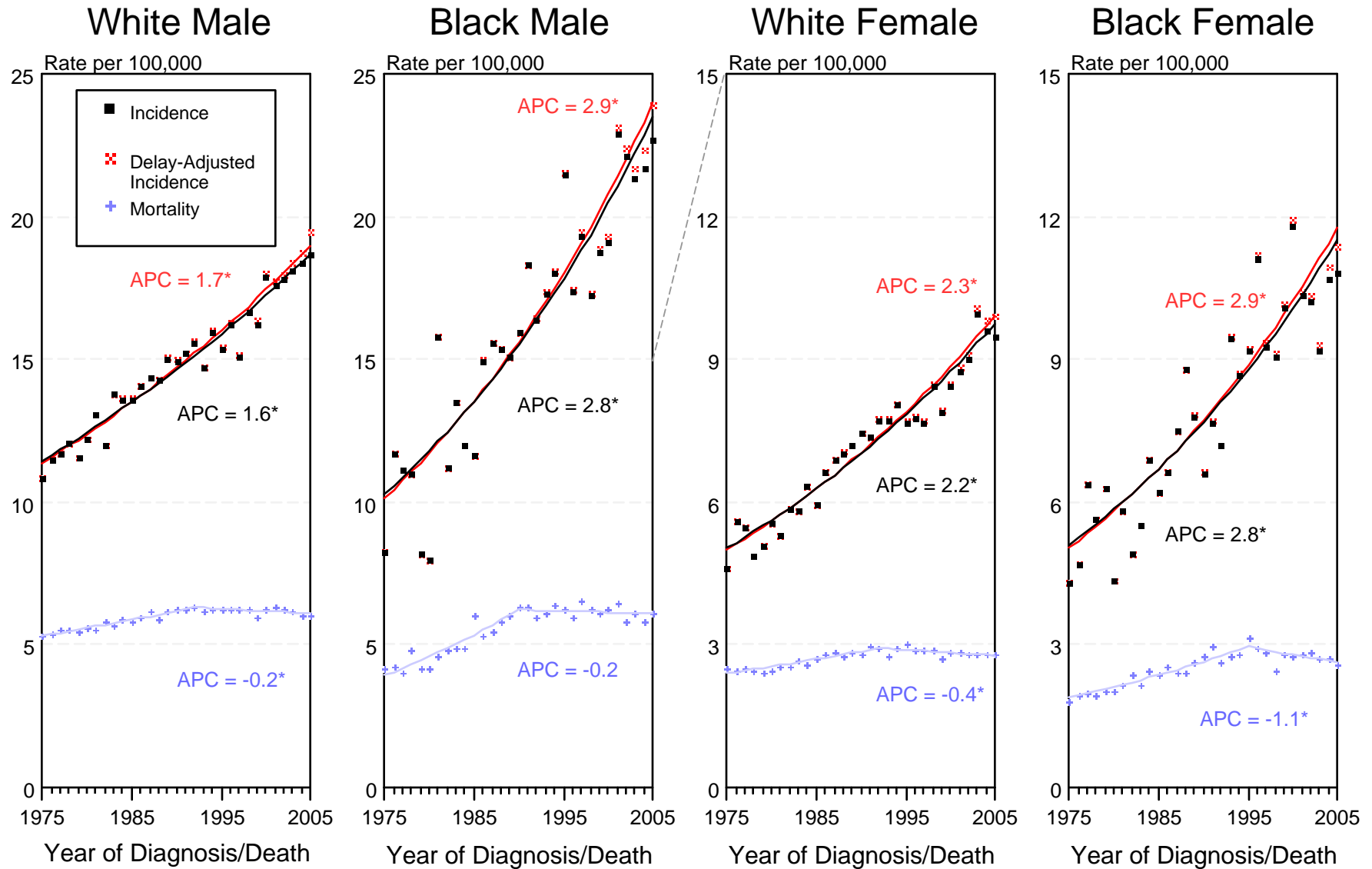


Figure XI-1

^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

* The APC is significantly different from zero ($p < 0.05$).

SEER Incidence and US Death Rates^a Kidney and Renal Pelvis Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

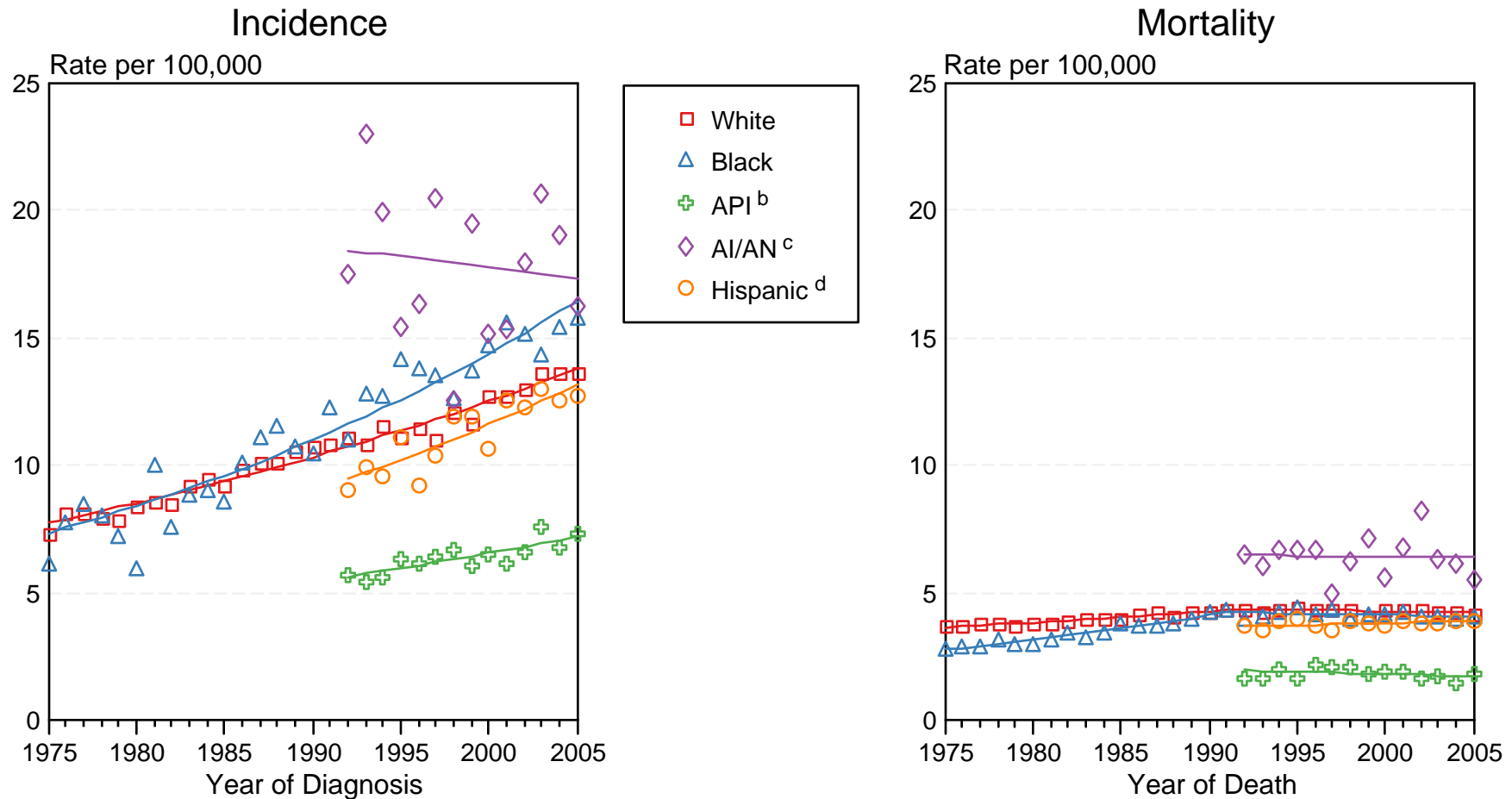


Figure XI-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2005 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2005 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.