

Kidney Cancer

KIDNEY CANCER - FAST FACTS OREGON

	Total	Male	Female
CANCER INCIDENCE			
Total Cancer Cases (2005)	560	366	194
RATES			
Oregon Crude Rate (2005)	14.9	19.7	10.3
Oregon Age-adjusted Rate (2005)	13.9	19.8	9.1
US Age-adjusted Rate (2004) ¹	14.1	19.1	10.0
TRENDS - APC			
Oregon Annual Trend (2001-2005)	*5.5	*5.9	4.9
CANCER MORTALITY			
Total Cancer Deaths (2005)	142	92	50
RATES			
Oregon Crude Rate (2005)	3.9	5.1	2.7
Oregon Age-adjusted Rate (2005)	3.6	5.3	2.2
US Age-Adjusted Rate (2004) ²	4.1	5.9	2.7
TRENDS - APC			
Oregon Annual Trend (2001-2005)	-1.8	-2.3	-2.3
US Annual Trend (2000-2004) ²	-0.7	-1.0	*-0.7
PROGNOSIS AND BURDEN			
Prognosis: M/I Ratio (2001-2005)	0.31	0.32	0.30
Burden: YPLL (2001-2005)	513	354	159

Note: Incidence and mortality rates are per 100,000 population, age-adjusted to the 19-age-group 2000 U.S. standard population. Total column may exceed male/female columns due to coding to other gender.

¹ NPCR. <http://statecancerprofiles.cancer.gov/>

² US Mortality Public Use Data file, National Center for Health Statistics

APC = Average Annual Percent Change.

M/I = Mortality to Incidence Ratio.

YPLL = Years of Potential Life Lost.

* Indicates a statistically significant trend.

Kidney cancer includes renal cell carcinoma (cancer that forms in the lining of very small tubes in the kidney that filter the blood and remove waste products) and renal pelvis carcinoma (cancer that forms in the center of the kidney where urine collects).

In 2005, 560 cancers of the kidney were diagnosed among Oregonians and reported to Oregon's central registry. Median age at diagnosis was 65. During the same year, 142 Oregonians died due to cancer of the kidney. Median age at death was 70. More than three in five (61 percent) were diagnosed at the local or *in situ* stage.

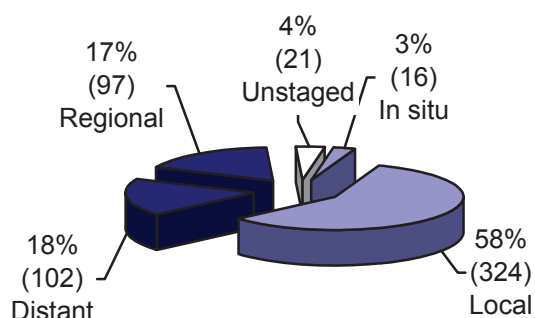
The age-adjusted incidence rate for cancer of the kidney in 2005 was 14 per 100,000. Among men, the incidence rate was 20 per 100,000 and among women the rate was 9 per 100,000.

The age-adjusted mortality rate for cancer of the kidney in 2005 was 4 per 100,000. Among men, the mortality rate was 5 per 100,000 and among women the rate was 2 per 100,000.

During the period 2001-2005, there were 31 deaths for every 100 diagnoses. Based on a life expectancy of 65 years, a total of 513 years of life were lost annually due to early deaths from kidney cancer.

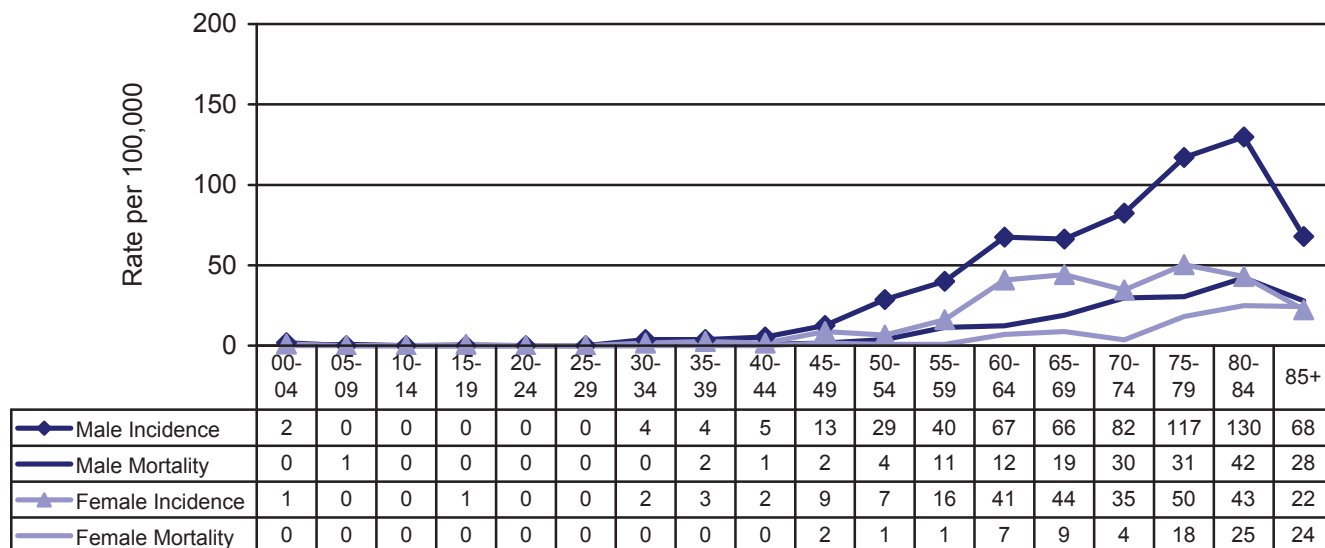
During 1996-2005, incidence of kidney cancer was significantly higher in Coos county. Over the same period, incidence significantly increased for the state as a whole and Deschutes, Jackson, and Linn counties. See Kidney Cancer maps.

**Kidney Cancer
Stage at Diagnosis, Oregon, 2005**

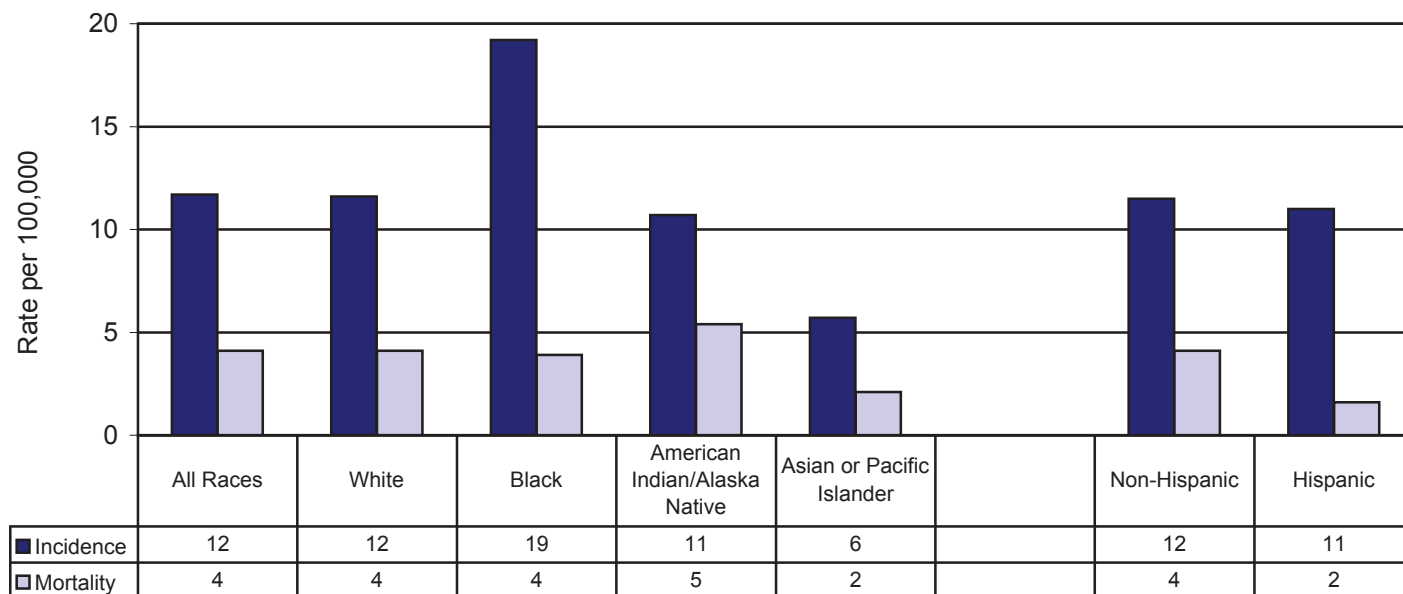


Kidney Cancer

**Kidney Cancer Incidence and Mortality Rates,
by Age Group and Sex, Oregon, 2005**



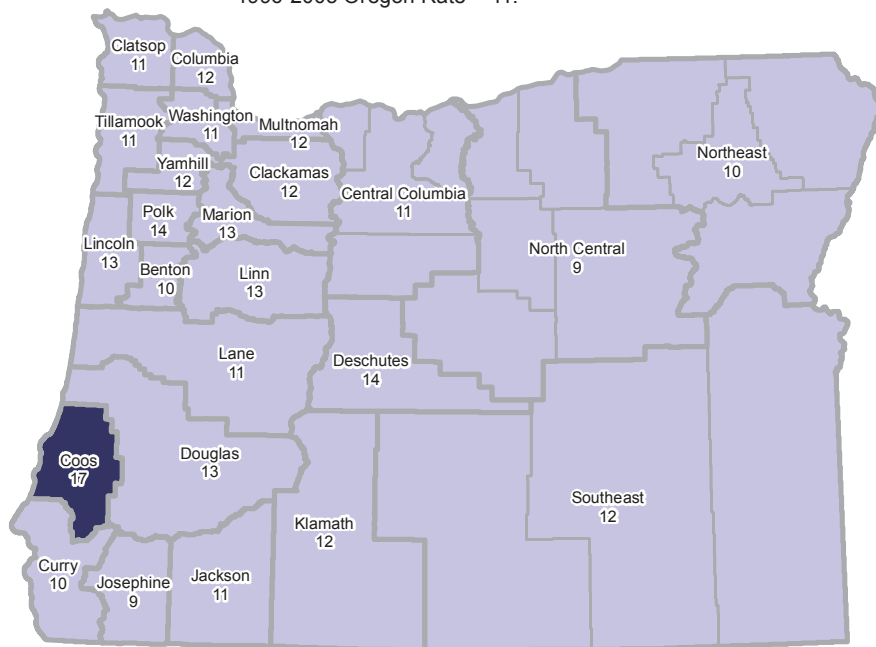
**Kidney Cancer Incidence and Mortality Rates,
by Race and Ethnicity, Oregon, 1996-2005**



Kidney Cancer

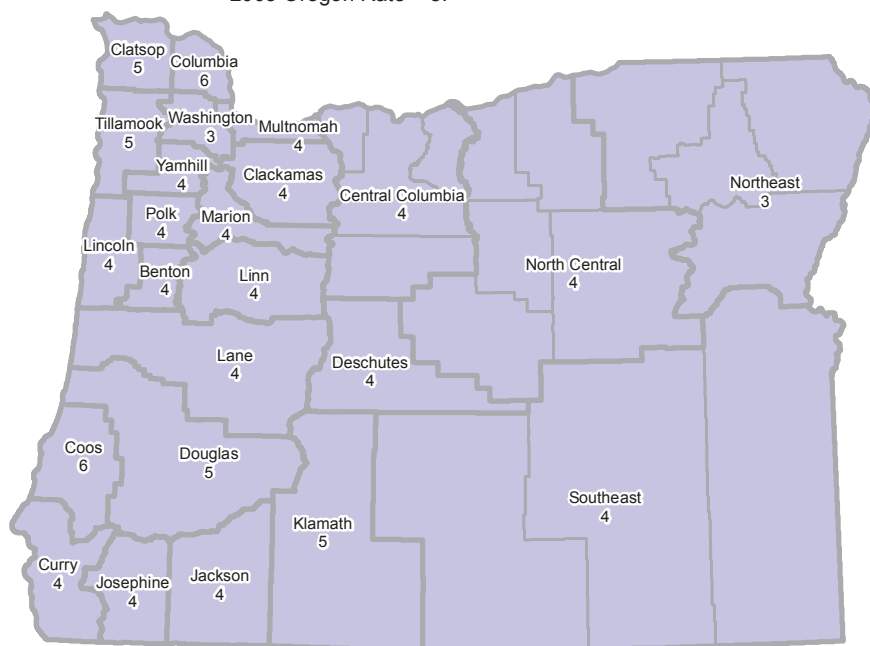
Rates of Kidney Cancer Incidence, 1996-2005

1996-2005 Oregon Rate = 11.



Rates of Kidney Cancer Mortality, 1996-2005

2005 Oregon Rate = 8.



Rates = Incidence count per 100,000 persons age-adjusted to 2000 U.S. Census 19-age-group standard.

- Statistically Higher than Oregon Average
- Similar to Oregon Average
- Statistically Lower than Oregon Average

Kidney Cancer

Kidney and Renal Bladder Cancer Incidence and Mortality by County, 1996-2005: Average Count, Annual Rate, and 10-Year Trend

KIDNEY / RENAL 1996-2005 Oregon Counties	NEW CASES			DEATHS		
	Cases Per Year	Age-Adjusted Rate	10-Year Trend / APC	Deaths Per Year	Age-Adjusted Rate	10-Year Trend / APC
Total	418	11.7	4.0 *	147	4.1	-1.8
Baker	2	9.5	^	1	4.7	^
Benton	7	9.9	^	3	3.8	^
Clackamas	41	12.0	3.7	14	4.0	18.0
Clatsop	5	11.4	^	2	4.7	^
Columbia	5	11.5	^	3	6.3	^
Coos	15	17.1 H	-0.2	5	5.6	^
Crook	2	9.2	^	1	^	^
Curry	4	10.4	^	1	3.6	^
Deschutes	17	13.7	9.3 *	6	4.5	^
Douglas	17	12.6	3.2	6	4.6	^
Gilliam	0	^	^	0	^	^
Grant	1	^	^	0	^	^
Harney	1	13.8	^	0	^	^
Hood River	2	8.9	^	1	^	^
Jackson	24	10.8	8.8 *	9	3.8	^
Jefferson	2	12.3	^	1	5.3	^
Josephine	10	9.3	^	5	4.1	^
Klamath	9	12.3	^	4	4.7	^
Lake	2	18.5	^	1	^	^
Lane	38	10.9	4.0	15	4.1	9.3
Lincoln	8	13.0	^	3	4.2	^
Linn	15	12.7	10.9 *	5	4.4	^
Malheur	3	9.7	^	1	3.2	^
Marion	36	12.8	4.8	13	4.5	-14.4
Morrow	1	^	^	1	^	^
Multnomah	75	12.1	2.8	25	4.0	-3.8
Polk	10	13.9	^	3	3.7	^
Sherman	1	^	^	0	^	^
Tillamook	4	10.8	^	2	4.6	^
Umatilla	6	9.1	^	2	2.9	^
Union	2	8.2	^	1	^	^
Wallowa	2	17.2	^	0	^	^
Wasco	3	10.6	^	2	5.2	^
Washington	40	10.8	3.2	12	3.3	-10.4
Wheeler	0	^	^	0	^	^
Yamhill	10	12.5	^	3	3.7	^

Rates are per 100,000 and age-adjusted to the 19-age-group 2000 U.S. Standard Population.

APC = Annual Percent Change.

Counts may not match Center for Health Statistics data tables due to unknown county of death.

H= Rate is statistically significantly higher (p<.05).

L = Rate is statistically significantly lower (p<.05).

* Indicates a statistically significant trend (p<.05).

^ Rate/Trend is not calculated due to instability of small numbers.