

## Liver Cancer

### LIVER CANCER - FAST FACTS OREGON

	Total	Male	Female
<b>CANCER INCIDENCE</b>			
<b>Total Cancer Cases (2005)</b>	205	146	59
<b>RATES</b>			
Oregon Crude Rate (2005)	5.6	8.1	3.2
Oregon Age-adjusted Rate (2005)	5.1	7.6	2.8
US Age-adjusted Rate (2004) <sup>1</sup>	5.6	8.7	3.0
<b>TRENDS - APC</b>			
Oregon Annual Trend (2001-2005)	*+9.0	*+12.1	+2.0
<b>CANCER MORTALITY</b>			
<b>Total Cancer Deaths (2005)</b>	182	118	64
<b>RATES</b>			
Oregon Crude Rate (2005)	5.0	6.5	3.5
Oregon Age-adjusted Rate (2005)	4.6	6.3	3.0
US Age-Adjusted Rate (2004) <sup>2</sup>	5.1	7.4	3.2
<b>TRENDS - APC</b>			
Oregon Annual Trend (2001-2005)	+6.5	+7.8	+3.8
US Annual Trend (2000-2004) <sup>2</sup>	*+2.6	*+2.4	*+2.3
<b>PROGNOSIS AND BURDEN</b>			
Prognosis: M/I Ratio (2001-2005)	0.92	0.86	1.08
Burden: YPLL (2001-2005)	801	548	253

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.

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

<sup>2</sup> 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.

In 2005, 205 liver cancers were diagnosed among Oregon residents and reported to the central registry. Median age at diagnosis was 63. During the same time period, 182 Oregonians died due to liver cancer. Median age at death was 66.

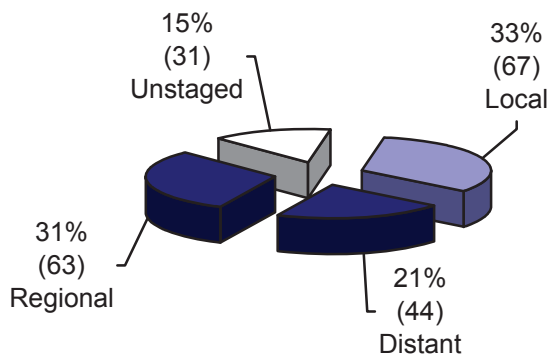
About a third (33 percent) of the new liver cancers were diagnosed at the local stage and just over a half (52 percent) were diagnosed at the regional or distant stage. Another 15 percent were unstaged.

Incidence and mortality rates for liver cancer were higher among Asians and Pacific Islanders.

During the period 2001-2005, the mortality to incidence ratio was 0.92. Based on a life expectancy of 65 years, a total of 801 years of life were lost annually due to early deaths from liver cancer.

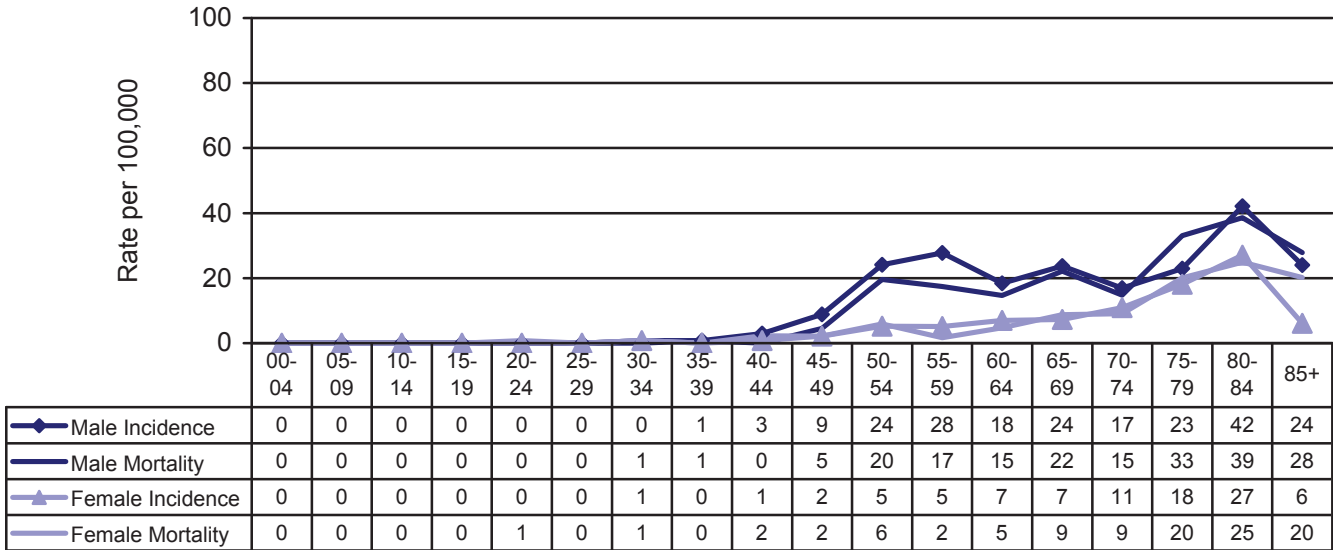
Liver cancer incidence was significantly higher than the rest of the state in Multnomah county and significantly lower in Deschutes county and the southeast region of the state. Multnomah county had significantly higher mortality than the rest of the state. See Liver Cancer maps.

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

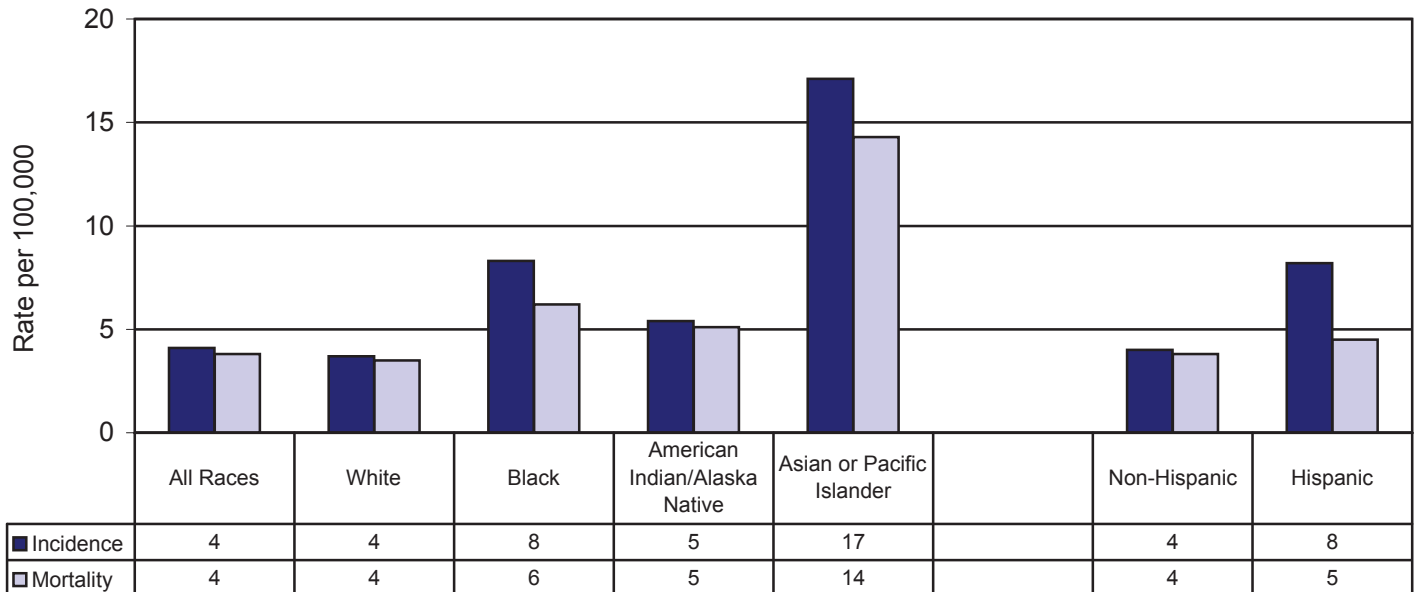


# Liver Cancer

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



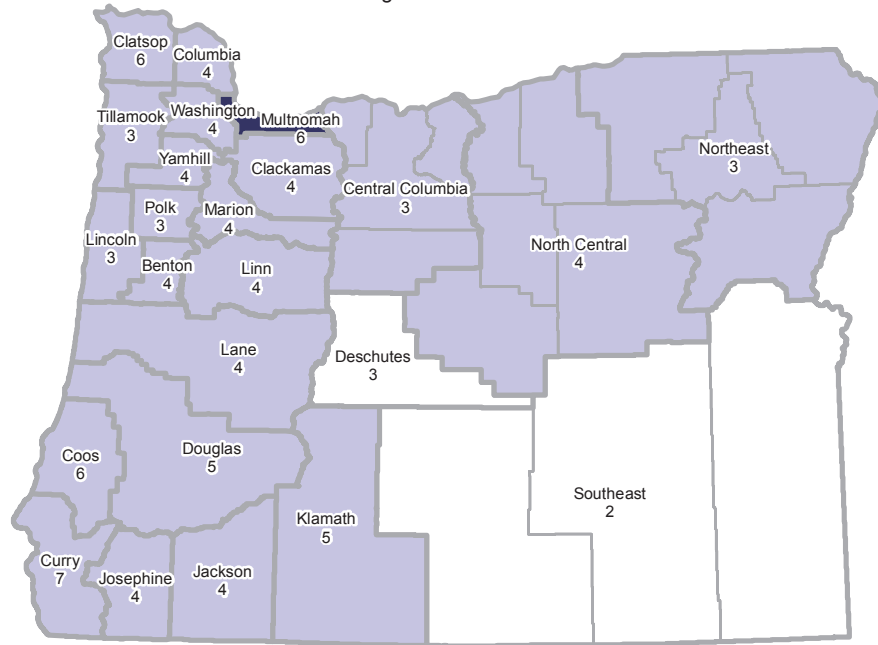
**Liver Cancer Incidence and Mortality Rates,  
by Race and Ethnicity, Oregon, 1996-2005**



# Liver Cancer

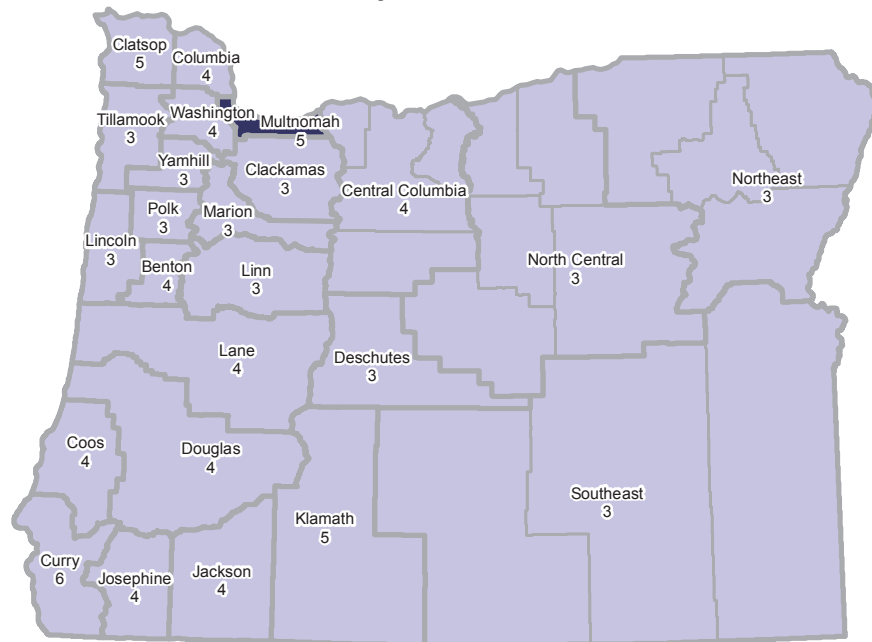
## Rates of Liver Cancer Incidence, 1996-2005

1996-2005 Oregon Rate = 4.



## Rates of Liver Cancer Mortality, 1996-2005

1996-2005 Oregon Rate = 4.



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

## Liver Cancer

### Liver and Intrahepatic Bile Duct Cancer Incidence and Mortality by County, 1996-2005: Average Count, Annual Rate, and 10-Year Trend

LIVER / BILE DUCT 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
<b>Total</b>	<b>148</b>	<b>4.1</b>	<b>6.0 *</b>	<b>138</b>	<b>3.8</b>	<b>6.5</b>
Baker	1	^	^	1	^	^
Benton	3	4.1	^	3	4.1	^
Clackamas	12	3.5	4.0	11	3.4	2.8
Clatsop	3	6.0	^	2	4.9	^
Columbia	2	4.4	^	2	4.5	^
Coos	5	5.6	^	4	4.5	^
Crook	1	^	^	1	^	^
Curry	2	6.8	^	2	6.3	^
Deschutes	3	2.6 L	^	4	2.7	^
Douglas	7	5.0	^	6	4.4	^
Gilliam	0	^	^	0	^	^
Grant	0	^	^	0	^	^
Harney	0	^	^	0	^	^
Hood River	1	^	^	1	^	^
Jackson	8	3.5	^	8	3.7	^
Jefferson	1	^	^	1	^	^
Josephine	4	3.5	^	4	3.9	^
Klamath	4	4.7	^	4	5.0	^
Lake	0	^	^	0	^	^
Lane	13	3.8	0.4	13	3.6	24.1 *
Lincoln	2	3.1	^	2	2.9	^
Linn	5	4.0	^	4	3.2	^
Malheur	1	^	^	1	3.4	^
Marion	10	3.5	^	9	3.2	^
Morrow	1	^	^	1	^	^
Multnomah	37	5.9 H	8.1 *	31	5.0 H	4.1
Polk	2	2.7	^	2	3.0	^
Sherman	0	^	^	0	^	^
Tillamook	1	^	^	1	3.1	^
Umatilla	2	3.0	^	3	3.7	^
Union	1	^	^	1	^	^
Wallowa	0	^	^	0	^	^
Wasco	1	^	^	1	^	^
Washington	15	3.9	11.8 *	13	3.5	17.1
Wheeler	0	^	^	0	^	^
Yamhill	3	3.8	^	3	3.4	^

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.