

Liver Cancer

LIVER CANCER - FAST FACTS OREGON

	Total	Male	Female
CANCER INCIDENCE			
Total Cancer Cases (2004)	200	148	52
RATES (2004)			
Oregon Crude Rate	5.6	8.3	2.9
Oregon Age-adjusted Rate	5.2	8.1	2.6
US Age-adjusted Rate ¹	6.4	10.0	3.4
TRENDS (2000-2004) - APC			
Oregon Annual Trend	+6.5	+7.3	+4.3
US Annual Trend ¹	*+1.9	+2.2	+0.3
CANCER MORTALITY			
Total Cancer Deaths (2004)	171	115	56
RATES (2004)			
Oregon Crude Rate	4.8	6.4	3.1
Oregon Age-adjusted Rate	4.6	6.7	2.8
US Age-Adjusted Rate ²	5.1	7.4	3.2
TRENDS (2000-2004) - APC			
Oregon Annual Trend	+3.9	+5.6	+1.2
US Annual Trend ²	*+2.6	*+2.4	*+2.3
PROGNOSIS AND BURDEN (2000-2004)			
Prognosis: M/I Ratio	0.95	0.87	1.11
Burden: YPLL	740	517	222

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

¹ SEER 17 Registry Data, SEERStat 6.3.5.

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.

In 2004, 200 liver cancers were diagnosed among Oregon residents and reported to the central registry. Median age at diagnosis was 61. During the same time period, 171 Oregonians died due to liver cancer. Median age at death was 68.

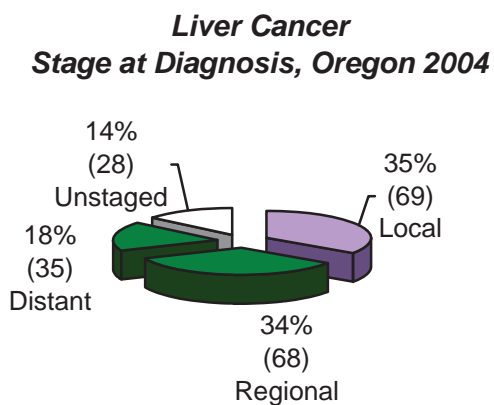
About a third (35 percent) of the new liver cancers were diagnosed at the local stage and just over a half (52 percent) were diagnosed at the regional or distant stage. Another 14 percent were unstaged.

Incidence and mortality were higher among men. The age-adjusted incidence rate among men was 8 per 100,000 and among women was 3 per 100,000. The age-adjusted mortality rate was 7 per 100,000 among men and 3 per 100,000 among women.

Incidence and mortality rates from liver cancer are high among Asians and Pacific Islanders. This may be related to higher rates of chronic viral hepatitis in parts of this community.

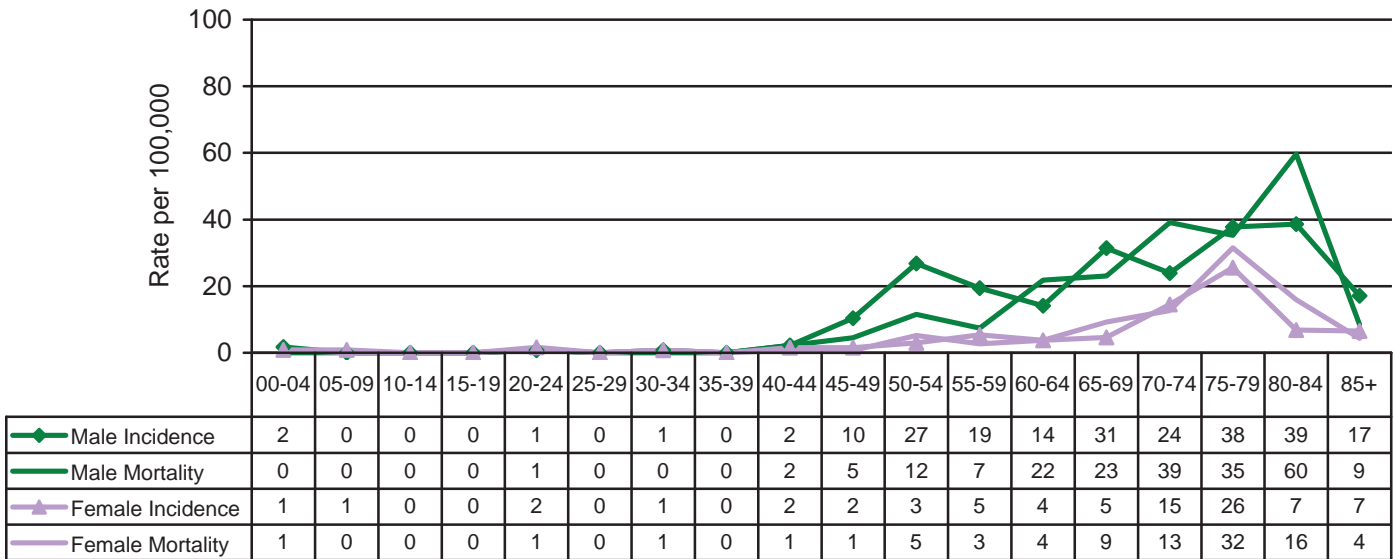
During the period 2000-2004, the mortality to incidence ratio was 0.95. Based on a life expectancy of 65 years, a total of 740 years of life were lost due to early deaths from liver cancer.

Liver cancer incidence was higher in western Oregon and mortality was highest in the northern part of the state. [See Liver Cancer maps.](#)

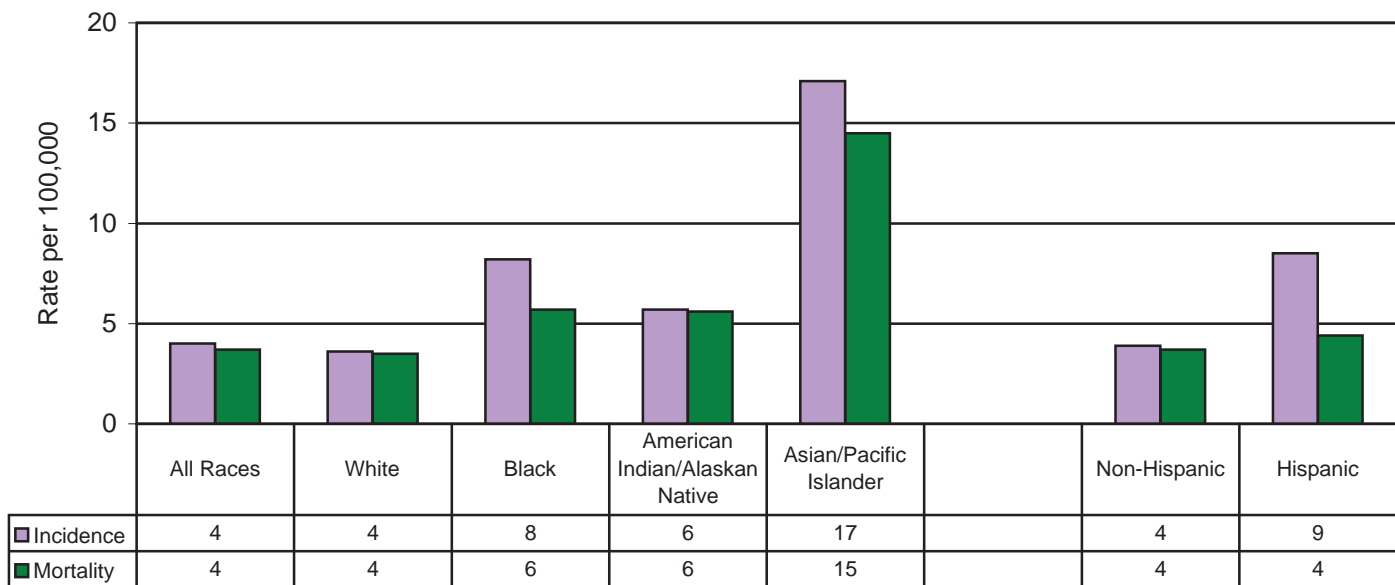


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Liver Cancer Incidence and Mortality Rates, by Age Group and Sex, Oregon, 2004

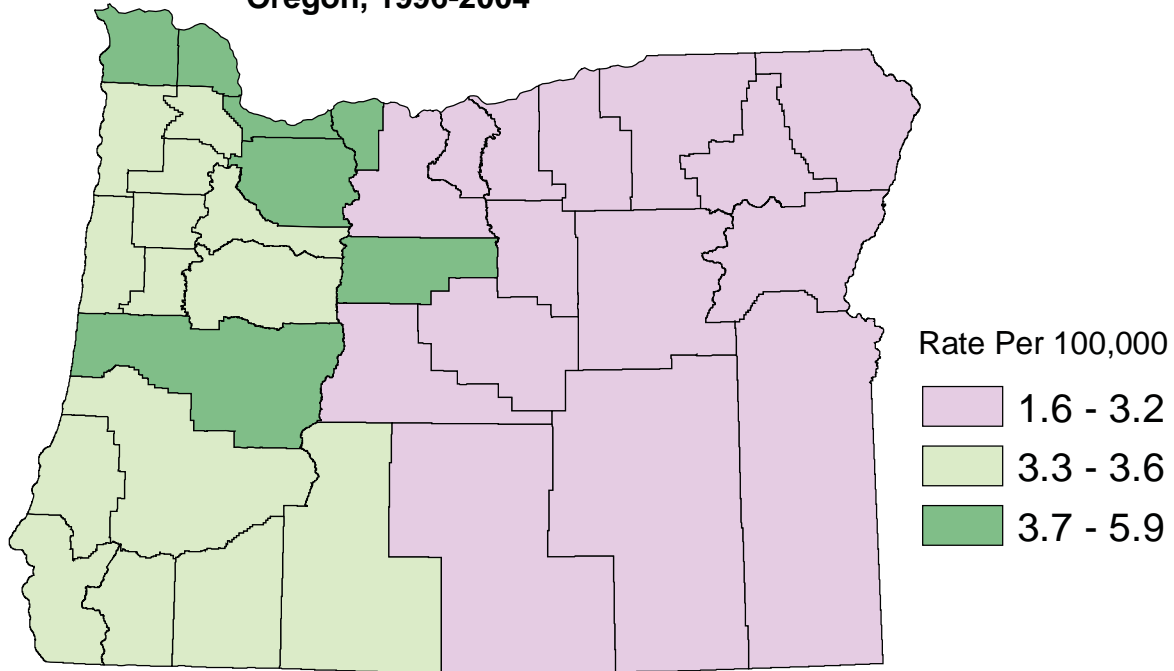


Liver Cancer Incidence and Mortality Rates, by Race and Ethnicity, Oregon, 1996-2004



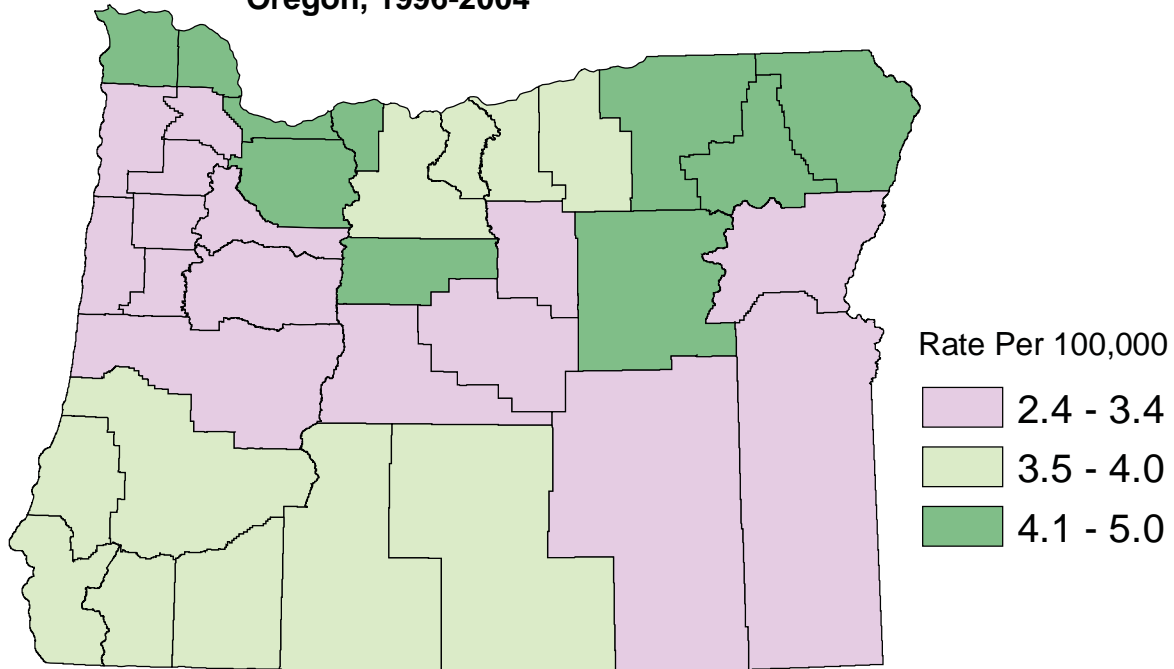
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Liver Cancer Incidence: Oregon, 1996-2004



Rates have been smoothed to stabilize results from sparsely populated areas.

Liver Cancer Mortality: Oregon, 1996-2004



Rates have been smoothed to stabilize results from sparsely populated areas.

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Liver Cancer Incidence and Mortality Rates, by County, 1996-2004 Average

LIVER/BILE DUCT Years 1996-2004 Oregon Counties	CANCER INCIDENCE			CANCER MORTALITY		
	Invasive Cases Per Year	Age- Adjusted Rate	9-Year Trend APC	Cancer Deaths Per Year	Age- Adjusted Rate	9-Year Trend APC
STATE	142	4.0	* +6.3	133	3.7	+5.3
Baker	1	^	^	1	^	^
Benton	2	3.7	^	3	4.1	^
Clackamas	11	3.3	+4.0	11	3.4	-5.0
Clatsop	2	5.9	^	2	5.0	^
Columbia	2	4.7	^	2	4.8	^
Coos	5	5.7	^	4	4.3	^
Crook	0	^	^	1	^	^
Curry	2	6.0	^	2	5.6	^
Deschutes	3	2.6	^	3	2.4	^
Douglas	6	4.8	^	5	4.0	^
Gilliam	0	^	^	0	^	^
Grant	0	^	^	0	^	^
Harney	0	^	^	0	^	^
Hood River	1	^	^	1	^	^
Jackson	7	3.4	^	8	3.6	^
Jefferson	1	^	^	1	^	^
Josephine	4	3.4	^	4	3.7	^
Klamath	3	4.7	^	4	4.8	^
Lake	0	^	^	0	^	^
Lane	13	3.8	+0.2	12	3.4	+1.1
Lincoln	2	3.0	^	2	3.1	^
Linn	5	4.2	^	4	3.0	^
Malheur	1	^	^	1	^	^
Marion	10	3.5	^	9	3.3	^
Morrow	0	^	^	0	^	^
Multnomah	35	H 5.6	* +7.5	30	H 4.9	+7.0
Polk	2	2.9	^	2	3.0	^
Sherman	0	^	^	0	^	^
Tillamook	1	^	^	1	^	^
Umatilla	2	3.2	^	3	4.2	^
Union	1	^	^	1	^	^
Wallowa	0	^	^	0	^	^
Wasco	1	^	^	1	^	^
Washington	13	3.6	* +12.6	12	3.3	+8.7
Wheeler	0	^	^	0	^	^
Yamhill	3	4.2	^	3	3.6	^

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.

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

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

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

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