

## Brain and CNS Tumors - Malignant

### BRAIN AND CNS CANCER FAST FACTS - OREGON

	Total	Male	Female
<b>CANCER INCIDENCE</b>			
<b>Total Cancer Cases (2004)</b>	<b>277</b>	<b>160</b>	<b>117</b>
<b>RATES (2004)</b>			
Oregon Crude Rate	7.7	9.0	6.5
Oregon Age-adjusted Rate	7.5	9.1	6.1
US Age-adjusted Rate <sup>1</sup>	6.4	7.5	5.4
<b>TRENDS (2000-2004) - APC</b>			
Oregon Annual Trend	+0.2	-0.9	+1.8
US Annual Trend <sup>1</sup>	-0.2	-0.7	+0.1
<b>CANCER MORTALITY</b>			
<b>Total Cancer Deaths (2004)</b>	<b>207</b>	<b>116</b>	<b>91</b>
<b>RATES (2004)</b>			
Oregon Crude Rate	5.8	6.5	5.0
Oregon Age-adjusted Rate	5.4	6.4	4.4
US Age-Adjusted Rate <sup>2</sup>	4.3	5.2	3.5
<b>TRENDS (2000-2004) - APC</b>			
Oregon Annual Trend	-0.8	-0.3	-2.2
US Annual Trend <sup>2</sup>	*-1.1	*-1.6	-0.7
<b>PROGNOSIS AND BURDEN (2000-2004)</b>			
Prognosis: M/I Ratio	0.76	0.75	0.77
Burden: YPLL	1,841	1,089	752

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.

<sup>1</sup> SEER 17 Registry Data, SEERStat 6.3.5.

<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.

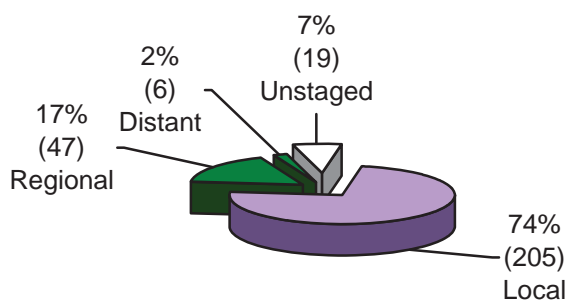
During 2004, 277 Oregonians were diagnosed with a malignant tumor of the brain or central nervous system. Median age at diagnosis was 58. During the same year, 207 people died of the disease. Median age at death was 64. While brain cancer was the second most common cancer among children, the highest age-specific rates of incidence and mortality of brain cancer were after age 60.

The age-adjusted incidence rate for cancer of the brain was 8 per 100,000 while the mortality rate was 5 per 100,000. Among men, age-adjusted brain cancer incidence was 9 per 100,000 and mortality was 6 per 100,000. Among women, age-adjusted brain cancer incidence was 6 per 100,000 and mortality was 4 per 100,000.

During the five year period 2000-2004, 76 people died of brain cancer for every 100 cases diagnosed. The five-year trend among males was an average decrease in incidence of 0.9 percent per year and an average decrease in mortality of 0.3 percent per year. The five-year trend among females was an average annual increase of 1.8 percent and an average annual decrease in mortality of 2.2 percent.

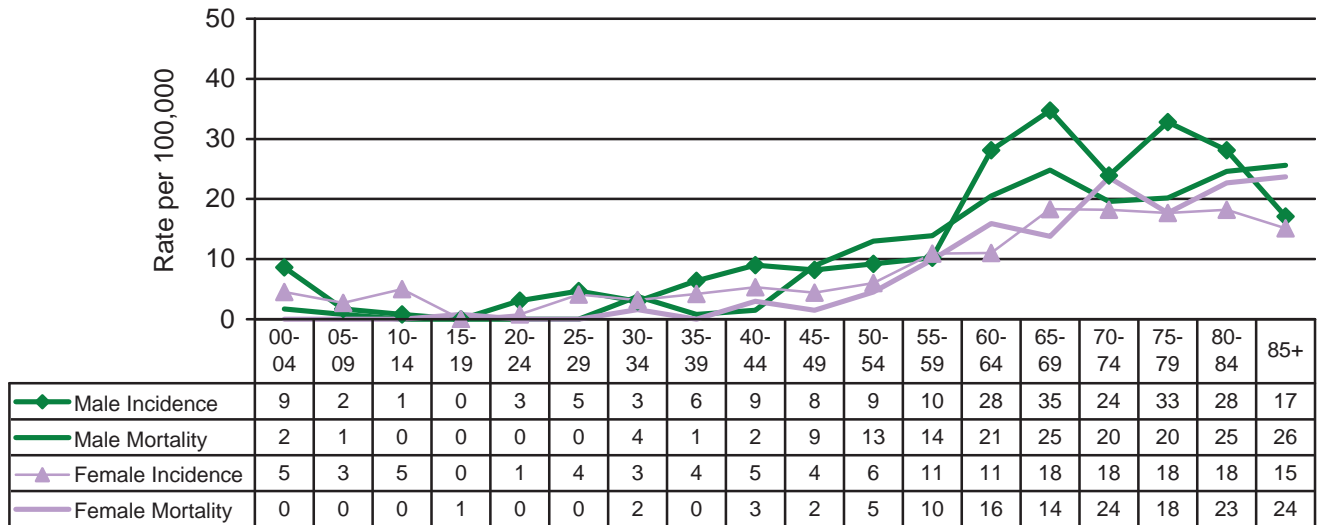
Regionally, brain cancer incidence was highest along the north coast, in the Willamette Valley, and in central Oregon. Mortality was highest in western Oregon. [See Brain and CNS Cancer Maps.](#)

**Brain and CNS Cancer  
Stage at Diagnosis, Oregon, 2004**

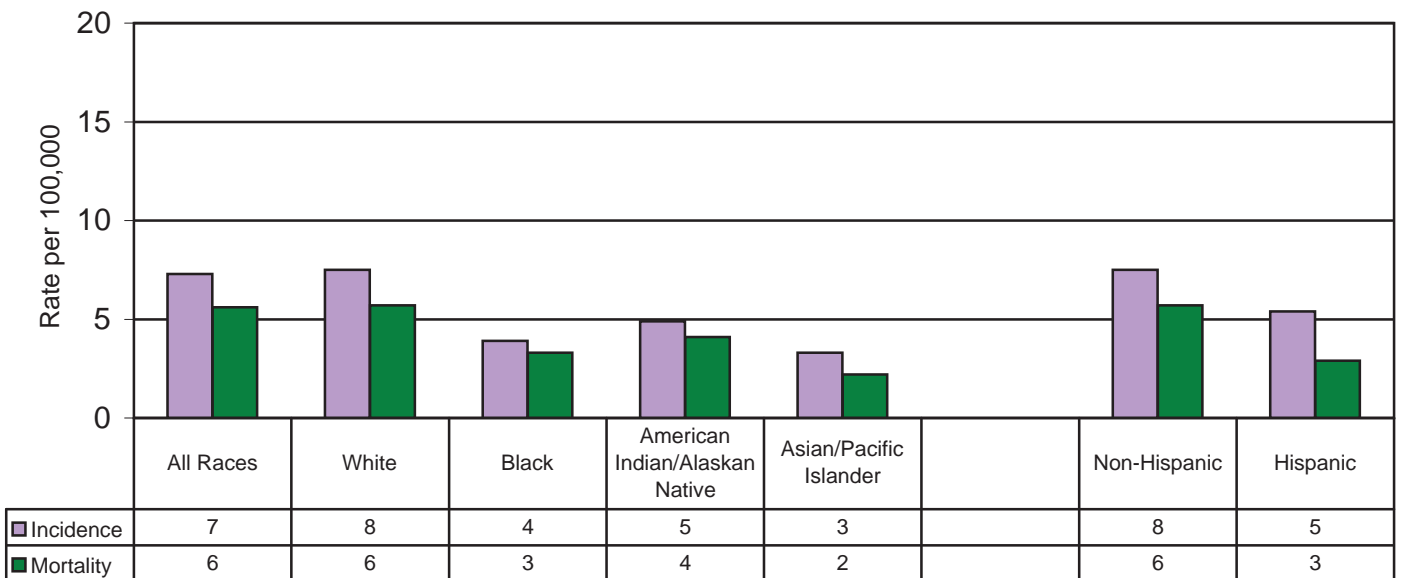


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**Brain and CNS Cancer Incidence and Mortality Rates,  
by Age Group and Sex, Oregon, 2004**

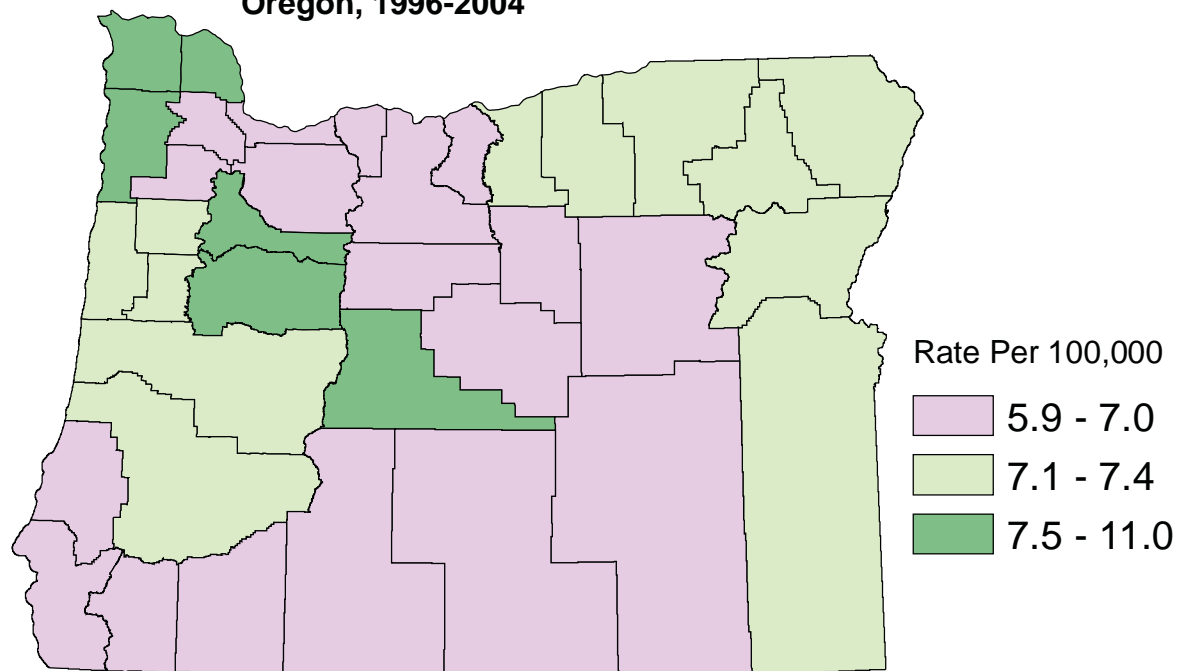


**Brain and CNS Cancer Incidence and Mortality Rates,  
by Race and Ethnicity, Oregon, 1996-2004**



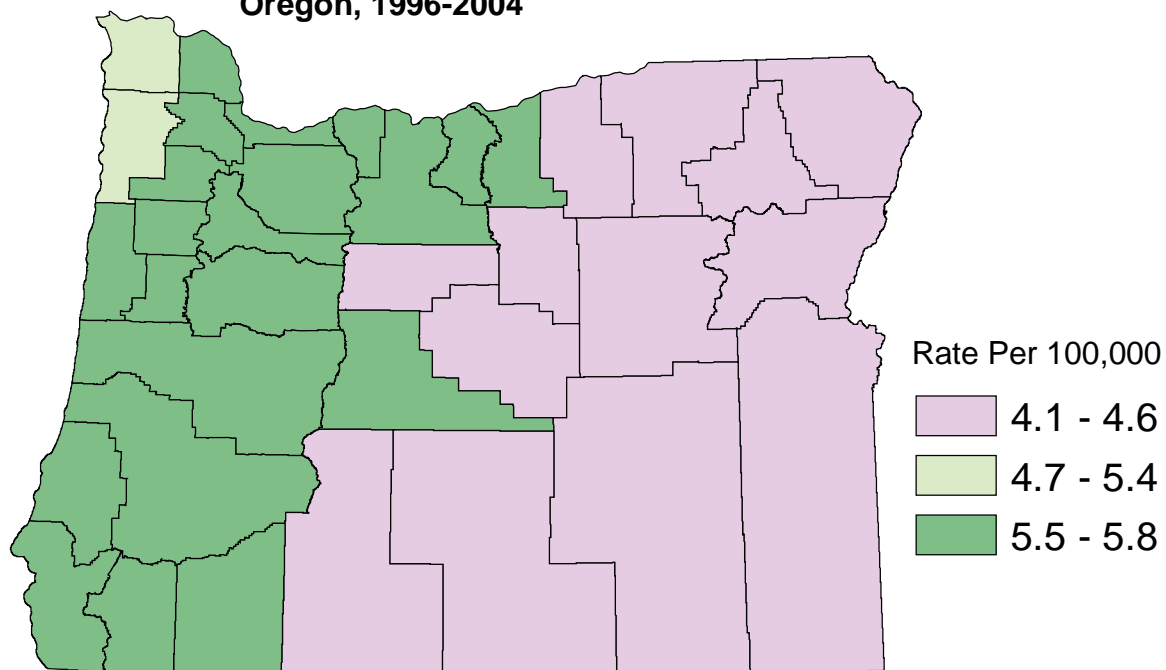
## Brain and CNS Tumors - Malignant

**Brain and CNS Cancer Incidence:  
Oregon, 1996-2004**



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

**Brain and CNS Cancer Mortality:  
Oregon, 1996-2004**



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

## Brain and CNS Tumors - Malignant

**Brain and CNS Cancer Incidence and Mortality Rates, by County, 1996-2004 Average**

BRAIN AND CNS 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
<b>STATE</b>	<b>256</b>	<b>7.3</b>	<b>-0.3</b>	<b>196</b>	<b>5.6</b>	<b>-1.0</b>
Baker	2	7.9	^	2	7.3	^
Benton	5	7.3	^	4	5.4	^
Clackamas	26	7.7	-0.4	21	6.1	+1.3
Clatsop	4	11.0	^	2	5.4	^
Columbia	4	9.0	^	3	6.5	^
Coos	5	6.7	^	4	4.8	^
Crook	1	^	^	1	^	^
Curry	2	6.9	^	1	^	^
Deschutes	10	8.3	^	7	5.7	^
Douglas	9	7.6	^	8	6.6	^
Gilliam	0	^	^	0	^	^
Grant	0	^	^	0	^	^
Harney	0	^	^	0	^	^
Hood River	1	^	^	1	^	^
Jackson	14	6.7	-1.1	12	5.7	+0.3
Jefferson	1	^	^	1	^	^
Josephine	7	7.0	^	6	6.2	^
Klamath	5	6.5	^	3	4.6	^
Lake	1	^	^	0	^	^
Lane	24	7.1	-1.5	20	5.8	+0.0
Lincoln	5	10.1	^	4	6.6	^
Linn	8	7.3	^	6	5.5	^
Malheur	1	^	^	1	^	^
Marion	24	8.5	-2.4	15	5.5	-1.2
Morrow	1	^	^	1	^	^
Multnomah	45	7.0	+0.5	34	5.5	-2.3
Polk	6	8.5	^	4	6.0	^
Sherman	0	^	^	0	^	^
Tillamook	2	5.9	^	2	5.4	^
Umatilla	5	7.4	^	3	4.6	^
Union	1	^	^	1	^	^
Wallowa	0	^	^	0	^	^
Wasco	1	^	^	2	6.3	^
Washington	31	7.6	+1.1	21	5.6	+0.5
Wheeler	0	^	^	1	^	^
Yamhill	5	6.3	^	4	4.8	^

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).