

## Brain and CNS Tumors - Malignant

### BRAIN AND CNS CANCER - FAST FACTS OREGON

	Total	Male	Female
<b>CANCER INCIDENCE</b>			
<b>Total Cancer Cases (2005)</b>	268	141	127
<b>RATES</b>			
Oregon Crude Rate (2005)	7.4	7.8	6.9
Oregon Age-adjusted Rate (2005)	7.1	7.8	6.6
US Age-adjusted Rate (2004) <sup>1</sup>	6.6	7.8	5.6
<b>TRENDS - APC</b>			
Oregon Annual Trend (2001-2005)	+0.6	-1.1	+3.1
<b>CANCER MORTALITY</b>			
<b>Total Cancer Deaths (2005)</b>	231	139	92
<b>RATES</b>			
Oregon Crude Rate (2005)	6.3	7.7	5.0
Oregon Age-adjusted Rate (2005)	6.0	7.7	4.6
US Age-Adjusted Rate (2004) <sup>2</sup>	4.3	5.2	3.5
<b>TRENDS - APC</b>			
Oregon Annual Trend (2001-2005)	+1.0	+2.3	-0.3
US Annual Trend (2000-2004) <sup>2</sup>	*-1.1	*-1.6	-0.7
<b>PROGNOSIS AND BURDEN</b>			
Prognosis: M/I Ratio (2001-2005)	0.78	0.81	0.75
Burden: YPLL (2001-2005)	1,926	1,119	807

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.

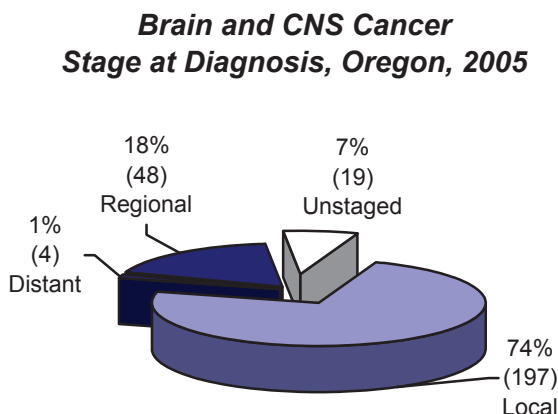
\* Indicates a statistically significant trend.

During 2005, 268 Oregonians were diagnosed with a malignant tumor of the brain or central nervous system. Median age at diagnosis was 55. During the same year, 231 people died of the disease. Median age at death was 61. While brain cancer was the second most common cancer among children, the highest age-specific rates of brain cancer incidence and mortality were after age 60.

Oregon's 2005 age-adjusted incidence rate for cancer of the brain was 7 per 100,000 while the mortality rate was 6 per 100,000. Among men, age-adjusted brain cancer incidence and mortality were both 8 per 100,000. Among women, age-adjusted brain cancer incidence was 7 per 100,000 and mortality was 5 per 100,000.

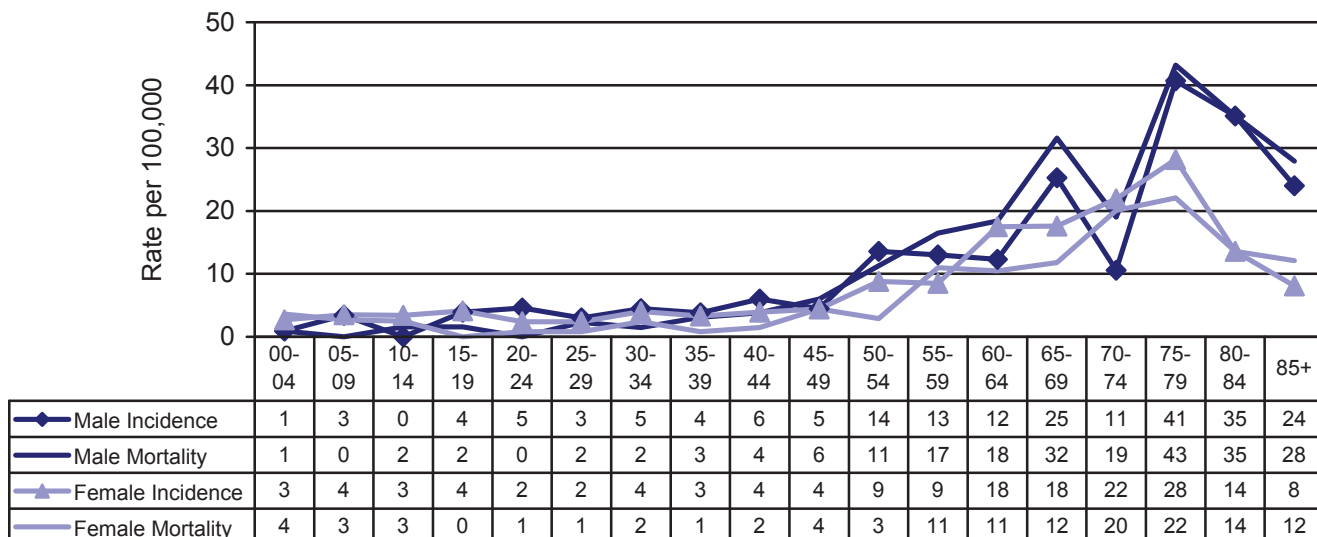
During the five year period 2001-2005, 78 people died of brain cancer for every 100 cases diagnosed.

During the period 1996-2005, brain cancer incidence was significantly higher than the state average in Lincoln county and significantly lower in the southeast region of the state. During the same time period, no area of the state had mortality rates statistically higher or lower than the rest of the state. See Brain Cancer maps.

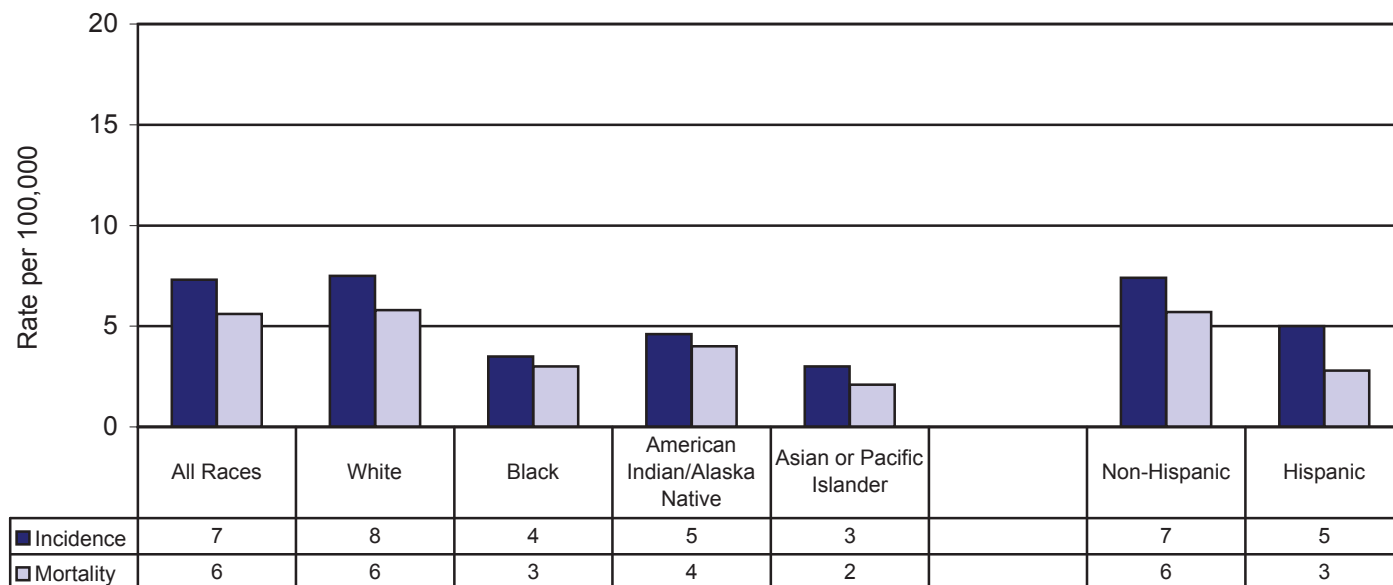


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**Brain and CNS Cancer Incidence and Mortality Rates,  
by Age Group and Sex, Oregon, 2005**

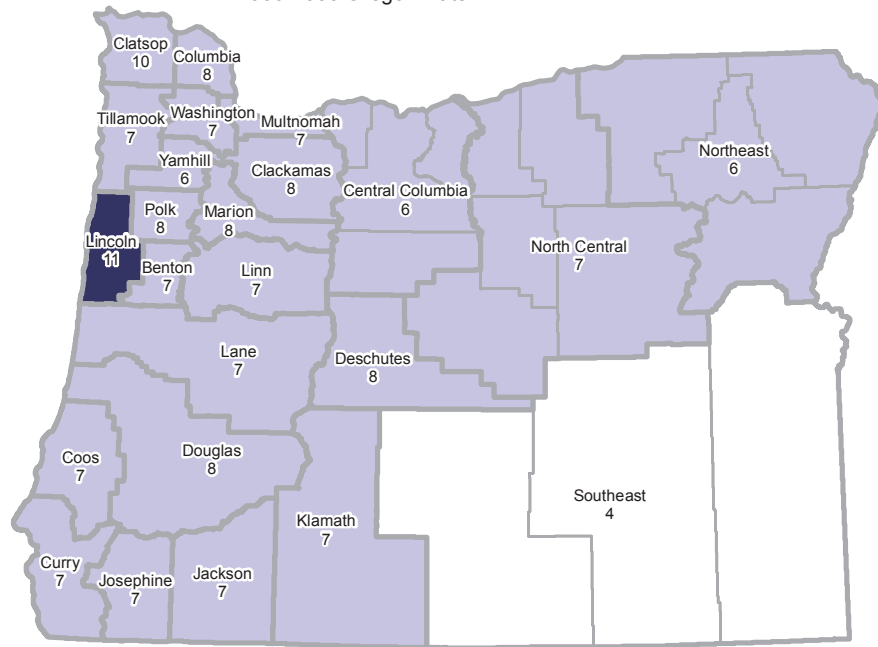


**Brain Cancer Incidence and Mortality Rates,  
by Race and Ethnicity, Oregon, 1996-2005**

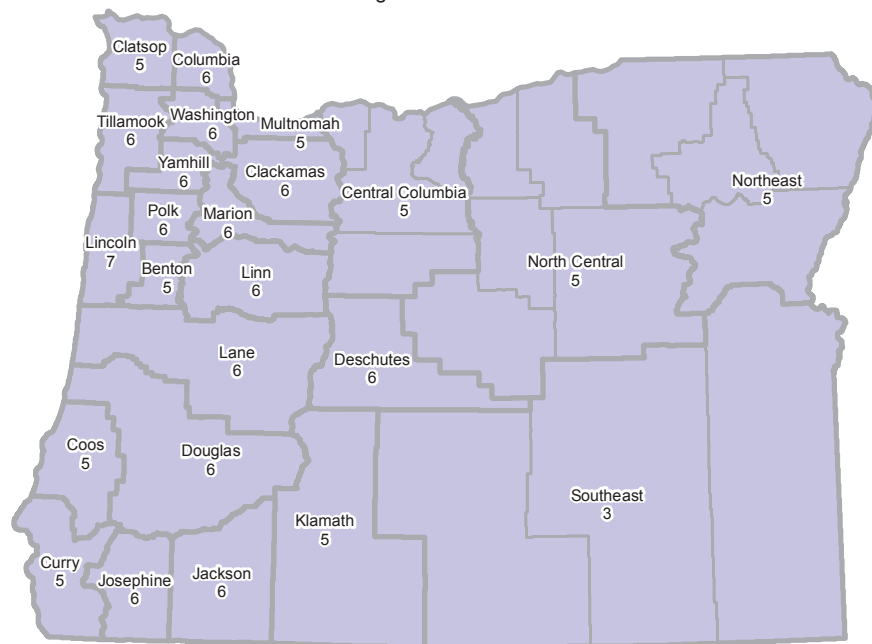


## Brain and CNS Tumors - Malignant

**Rates of Brain Cancer Incidence, 1996-2005**  
1996-2005 Oregon Rate = 7.



**Rates of Brain Cancer Mortality, 1996-2005**  
1996-2005 Oregon Rate = 6.



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

## *Brain and CNS Tumors - Malignant*

**Brain and CNS Cancer** Incidence and Mortality by County, 1996-2005:  
Average Count, Annual Rate, and 10-Year Trend

<b>BRAIN &amp; CNS</b> 1996-2005 Oregon Counties	<b>NEW CASES</b>			<b>DEATHS</b>		
	Cases Per Year	Age-Adjusted Rate	10-Year Trend / APC	Deaths Per Year	Age-Adjusted Rate	10-Year Trend / APC
<b>Total</b>	<b>258</b>	<b>7.3</b>	<b>-0.3</b>	<b>200</b>	<b>5.6</b>	<b>1.0</b>
Baker	2	8.5	^	2	7.7	^
Benton	5	6.8	^	4	5.2	^
Clackamas	27	7.8	-1.2	21	6.1	-13.4
Clatsop	4	10.4	^	2	5.3	^
Columbia	4	8.2	^	3	6.3	^
Coos	5	6.9	^	4	4.9	^
Crook	2	6.6	^	1	4.8	^
Curry	2	7.0	^	2	4.9	^
Deschutes	10	8.0	^	7	5.7	^
Douglas	9	7.7	^	8	6.2	^
Gilliam	0	^	^	0	^	^
Grant	0	^	^	0	^	^
Harney	0	^	^	0	^	^
Hood River	1	^	^	1	^	^
Jackson	14	6.9	0.1	13	5.9	10.8
Jefferson	2	8.7	^	1	^	^
Josephine	7	7.0	^	6	6.1	^
Klamath	5	6.6	^	4	4.9	^
Lake	1	^	^	1	^	^
Lane	24	7.1	-0.8	20	5.8	-1.7
Lincoln	6	10.7 H	^	4	7.0	^
Linn	8	7.4	^	6	5.6	^
Malheur	1	3.6 L	^	1	^	^
Marion	23	8.3	-3.0	15	5.5	0.1
Morrow	1	^	^	1	^	^
Multnomah	46	7.2	1.7	34	5.4	2.1
Polk	6	8.3	^	4	6.2	^
Sherman	0	^	^	0	^	^
Tillamook	2	7.1	^	2	5.6	^
Umatilla	5	6.9	^	3	4.7	^
Union	1	^	^	1	^	^
Wallowa	0	^	^	0	^	^
Wasco	1	4.9	^	2	6.6	^
Washington	30	7.4	-0.5	22	5.7	0.9
Wheeler	0	^	^	1	^	^
Yamhill	5	6.5	^	5	5.7	^

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.