

## Leukemia

### LEUKEMIA - FAST FACTS OREGON

	Total	Male	Female
<b>CANCER INCIDENCE</b>			
<b>Total Cancer Cases (2005)</b>	423	253	170
<b>RATES</b>			
Oregon Crude Rate (2005)	11.6	14.0	9.3
Oregon Age-adjusted Rate (2005)	11.0	14.7	8.0
US Age-adjusted Rate (2004) <sup>1</sup>	11.7	15.2	9.1
<b>TRENDS - APC</b>			
Oregon Annual Trend (2001-2005)	-4.6	-3.5	-6.8
<b>CANCER MORTALITY</b>			
<b>Total Cancer Deaths (2005)</b>	300	172	128
<b>RATES</b>			
Oregon Crude Rate (2005)	8.2	9.5	7.0
Oregon Age-adjusted Rate (2005)	7.7	10.2	5.6
US Age-Adjusted Rate (2004) <sup>2</sup>	7.2	9.7	5.5
<b>TRENDS - APC</b>			
Oregon Annual Trend (2001-2005)	-1.0	-0.5	-2.2
US Annual Trend (2000-2004) <sup>2</sup>	*-1.5	*-1.4	*-2.0
<b>PROGNOSIS AND BURDEN</b>			
Prognosis: M/I Ratio (2001-2005)	0.69	0.68	0.70
Burden: YPLL (2001-2005)	1,536	887	650

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.

Leukemia is a cancer that starts in blood-forming tissue such as bone marrow and causes large numbers of abnormal blood cells to be produced and enter the bloodstream.

In 2005, a total of 423 Oregonians were diagnosed with leukemia and reported to the central registry. Median age at diagnosis was 63. During the same year, 300 Oregonians died due to leukemia. Median age at death was 70.

The age-adjusted annual incidence rate for leukemia in 2005 was 11 per 100,000. The age-adjusted incidence rate among men was 15 per 100,000 and among women it was 8 per 100,000.

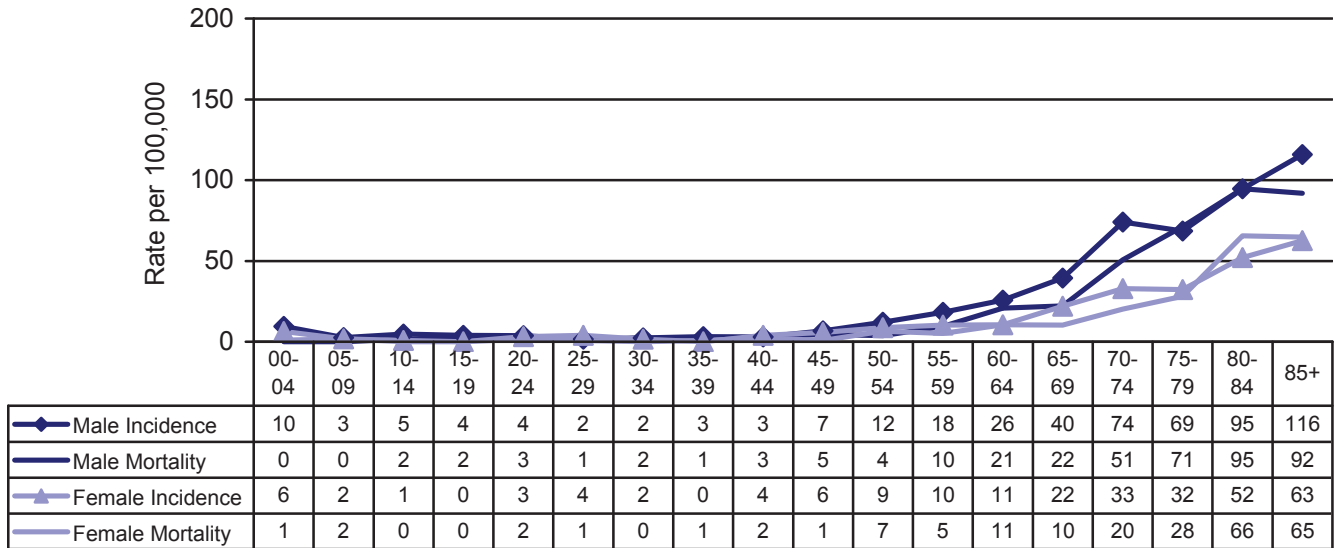
The age-adjusted mortality rate for leukemia in 2005 was 8 per 100,000. Among men, the rate was 10 per 100,000 and among women the rate was 6 per 100,000.

During the period 2001-2005, the mortality-to-incidence ratio was 69 deaths for every hundred new diagnoses. Based on a life expectancy of 65 years, a total of 1,536 years of potential life were lost annually due to early deaths from leukemia.

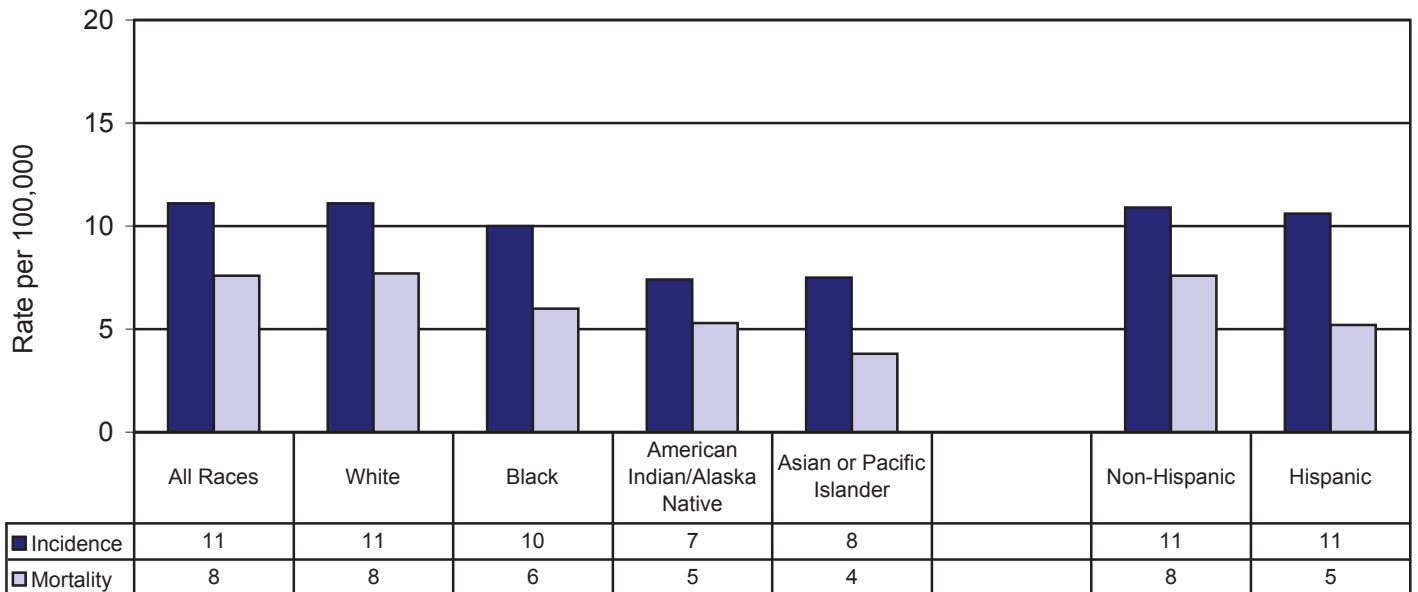
During 1996-2005, leukemia incidence was significantly higher than the state average in Multnomah county and significantly lower in Deschutes, Josephine, and Lincoln counties. Leukemia mortality was significantly lower than the rest of the state in Lincoln county. See Leukemia Maps.

# Leukemia

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



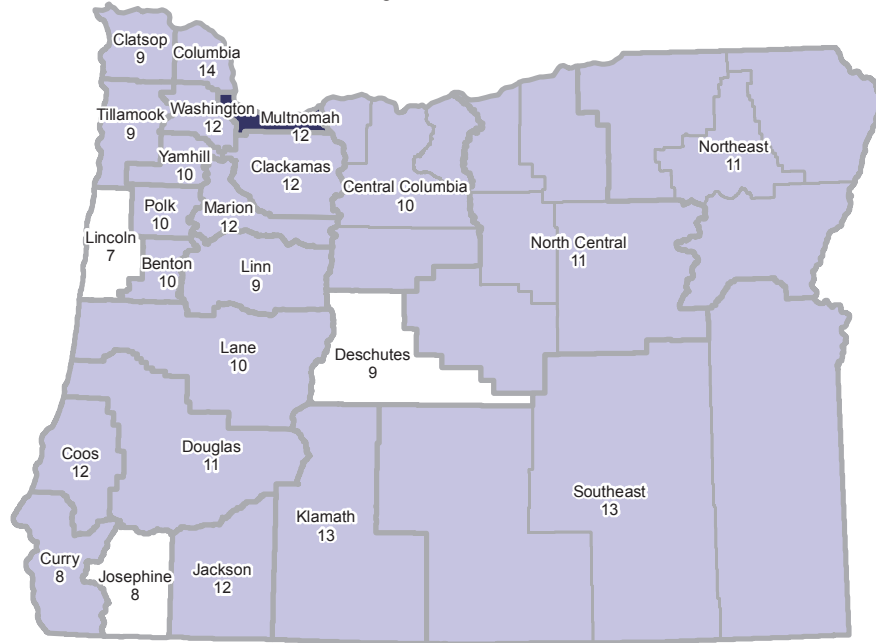
**Leukemia Incidence and Mortality Rates,  
by Race and Ethnicity, Oregon, 1996-2005**



# Leukemia

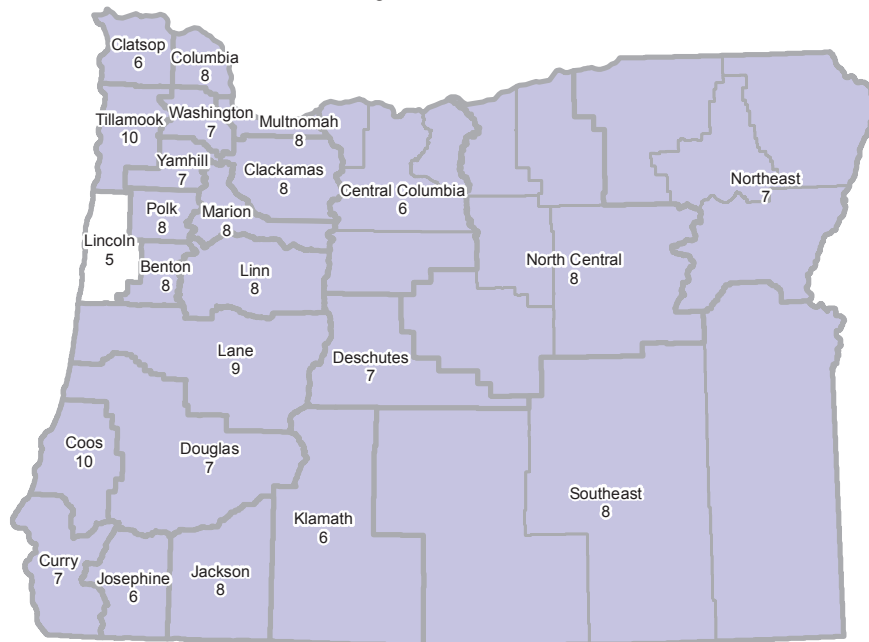
## Rates of Leukemia Incidence, 1996-2005

1996-2005 Oregon Rate = 11.



## Rates of Leukemia Mortality, 1996-2005

1996-2005 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

## Leukemia

### Leukemia Incidence and Mortality by County, 1996-2005: Average Count, Annual Rate, and 10-Year Trend

<b>LEUKEMIA</b>	<b>NEW CASES</b>			<b>DEATHS</b>		
1996-2005 Oregon Counties	Cases Per Year	Age-Adjusted Rate	10-Year Trend / APC	Deaths Per Year	Age-Adjusted Rate	10-Year Trend / APC
<b>Total</b>	<b>394</b>	<b>11.1</b>	<b>-0.5</b>	<b>273</b>	<b>7.6</b>	<b>-1.0</b>
Baker	2	11.9	^	2	7.6	^
Benton	7	10.3	^	5	7.6	^
Clackamas	40	11.8	-1.8	26	7.9	-9.1
Clatsop	4	9.0	^	2	5.6	^
Columbia	6	14.3	^	3	7.9	^
Coos	10	11.6	^	9	9.8	^
Crook	2	8.7	^	2	6.7	^
Curry	4	8.4	^	3	7.3	^
Deschutes	11	8.8 L	-1.7	8	6.8	^
Douglas	14	11.1	1.0	10	7.4	^
Gilliam	1	^	^	0	^	^
Grant	1	^	^	1	^	^
Harney	2	18.9	^	1	^	^
Hood River	2	7.6	^	1	5.3	^
Jackson	25	11.5	-2.1	18	8.0	12.5
Jefferson	2	12.7	^	2	8.9	^
Josephine	9	8.4 L	^	7	5.9	^
Klamath	10	13.3	^	5	6.4	^
Lake	1	13.2	^	1	^	^
Lane	35	10.3	3.7	31	8.7	-2.9
Lincoln	4	7.1 L	^	3	4.6 L	^
Linn	11	9.2	1.0	9	7.7	^
Malheur	4	10.8	^	2	7.0	^
Marion	34	12.0	-3.0	22	7.5	-1.3
Morrow	1	12.1	^	1	^	^
Multnomah	77	12.4 H	-0.4	49	7.8	-8.1
Polk	7	10.3	^	6	7.5	^
Sherman	0	^	^	0	^	^
Tillamook	3	9.1	^	4	10.2	^
Umatilla	7	9.8	^	5	7.7	^
Union	3	10.5	^	2	7.2	^
Wallowa	2	16.7	^	1	^	^
Wasco	3	10.4	^	2	4.7	^
Washington	45	11.8	-0.8	27	7.4	-0.6
Wheeler	0	^	^	0	^	^
Yamhill	8	9.7	^	6	7.4	^

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.