

Breast Cancer - Female

BREAST CANCER, FEMALE - FAST FACTS OREGON

	<i>In situ</i>	<i>Invasive</i>
CANCER INCIDENCE		
Total Cancer Cases (2005)	576	2,685
RATES		
Oregon Crude Rate (2005)	31.5	146.7
Oregon Age-adjusted Rate (2005)	28.3	130.5
US Age-adjusted Rate (2004) ¹	n/a	117.7
TRENDS - APC		
Oregon Annual Trend (2001-2005)	-3.2	-3.1
CANCER MORTALITY		
Total Cancer Deaths (2005)		471
RATES		
Oregon Crude Rate (2005)		25.7
Oregon Age-adjusted Rate (2005)		21.9
US Age-Adjusted Rate (2004) ²		24.4
TRENDS - APC		
Oregon Annual Trend (2001-2005)		-3.9
US Annual Trend (2000-2004) ²		*-2.1
PROGNOSIS AND BURDEN		
Prognosis: M/I Ratio (2001-2005)		0.19
Burden: YPLL (2001-2005)		2,461

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

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

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.

n/a = not applicable

* Indicates a statistically significant trend.

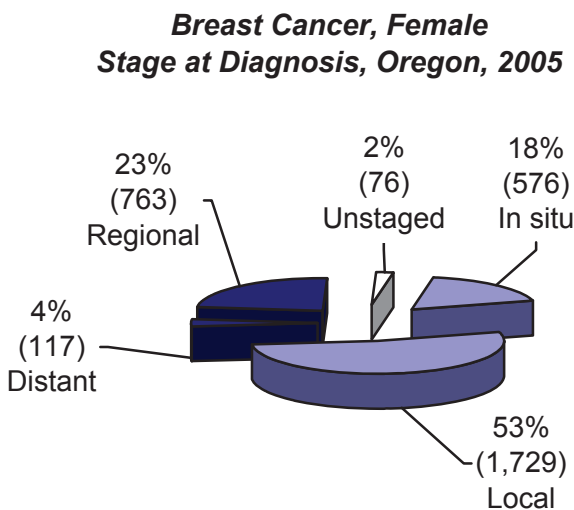
Among Oregon women, 3,261 breast cancers were diagnosed in 2005 and reported to the central registry. Of the 2,685 cancers which were invasive, median age at diagnosis was 63. During the same time period, 471 Oregon women died due to breast cancer at a median age of 70.

A large majority (71 percent) of female breast tumors were diagnosed during the *in situ* or local stage, 27 percent were diagnosed at regional or distant stage, and 2 percent were unstaged.

There was approximately one death for every five new invasive diagnoses. Based on a life expectancy of 65 years, an average of 2,461 years of life were lost annually among Oregon women due to early deaths from breast cancer.

Oregon and Washington consistently rank among the top five states for female breast cancer incidence while having average rates for breast cancer mortality. During the five-year period from 2001-2005, incidence of invasive breast cancer among Oregon women dropped an average of 3.1 percent each year. This decline mirrors a national decline through 2004, which may in part be attributable to a reduction in the use of hormone replacement therapy.*

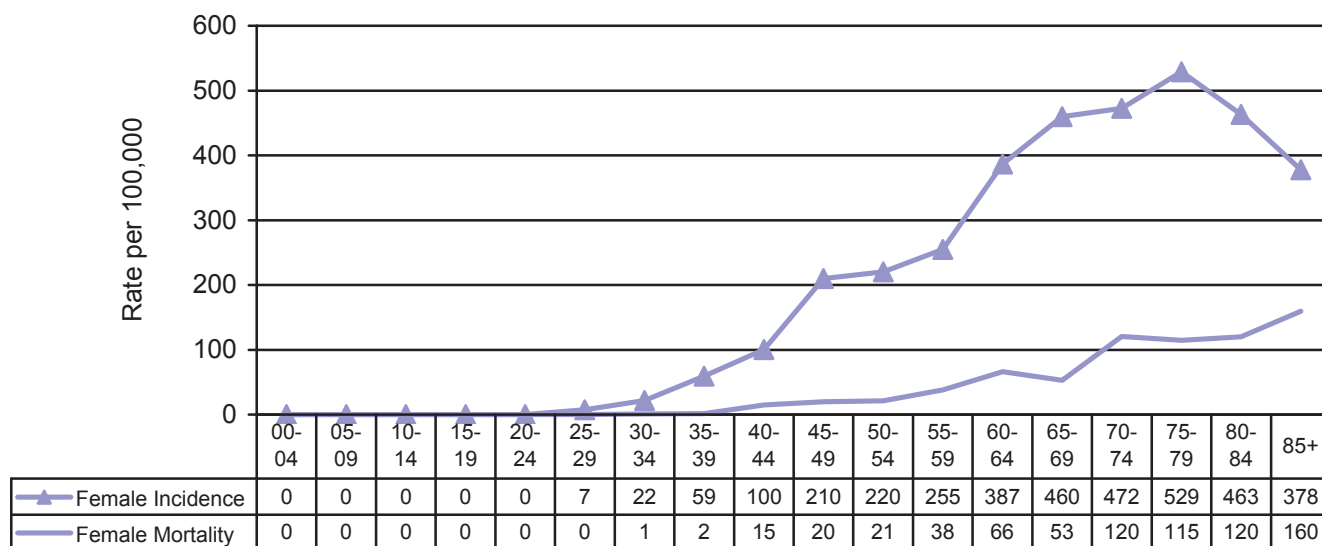
Incidence was significantly higher than the state average in Clackamas and Marion counties and was significantly lower in Douglas county and the northeast and southeast regions. No areas of the state had significantly higher or lower mortality. See Breast Cancer maps.



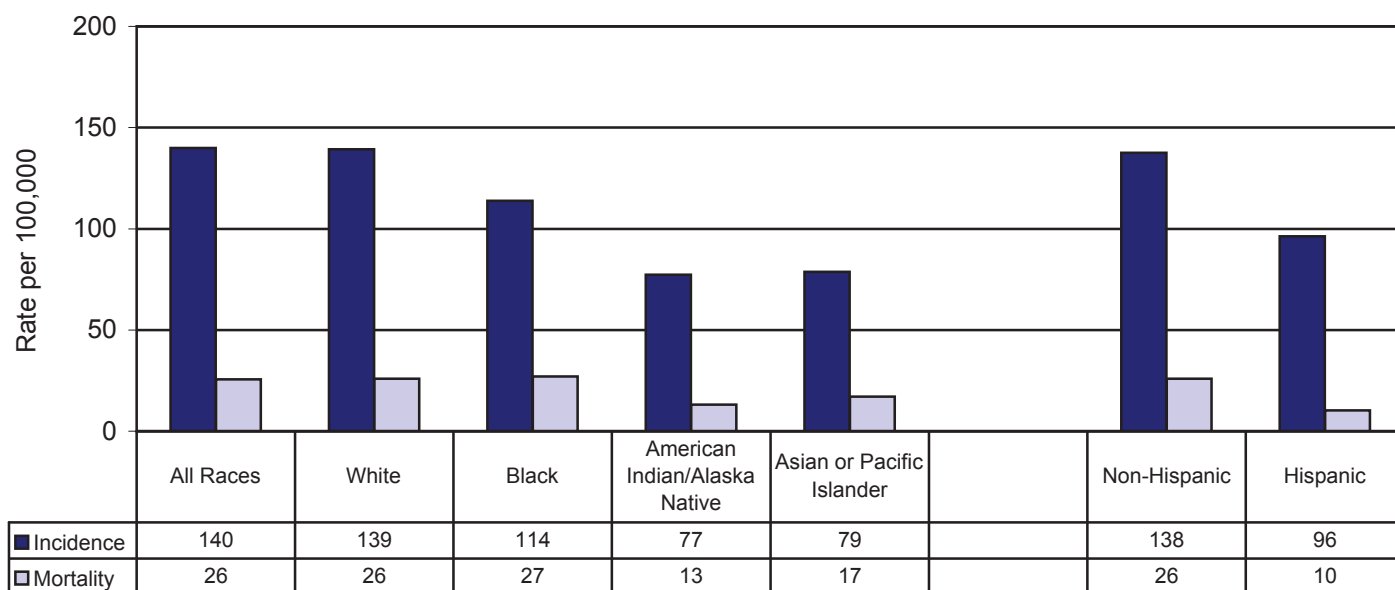
*Decline in Breast Cancer Incidence – United States, 1999 – 2003, MMWR, June 8, 2007 / 56 (22):549-553.

Breast Cancer - Female

**Breast Cancer, Female, Cancer Incidence and Mortality Rates,
by Age Group, Oregon, 2005**

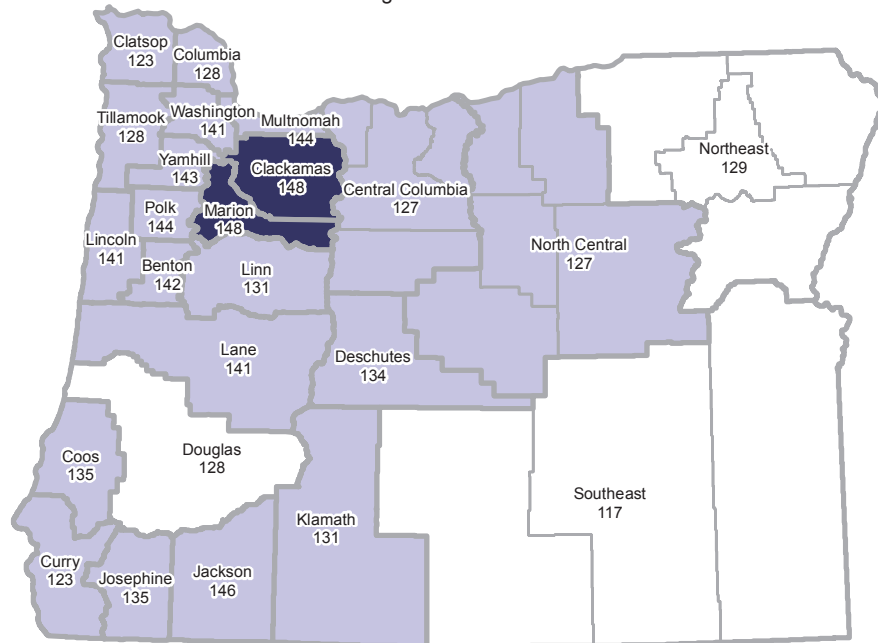


**Breast Cancer Incidence and Mortality Rates,
by Race and Ethnicity, Oregon, 1996-2005**

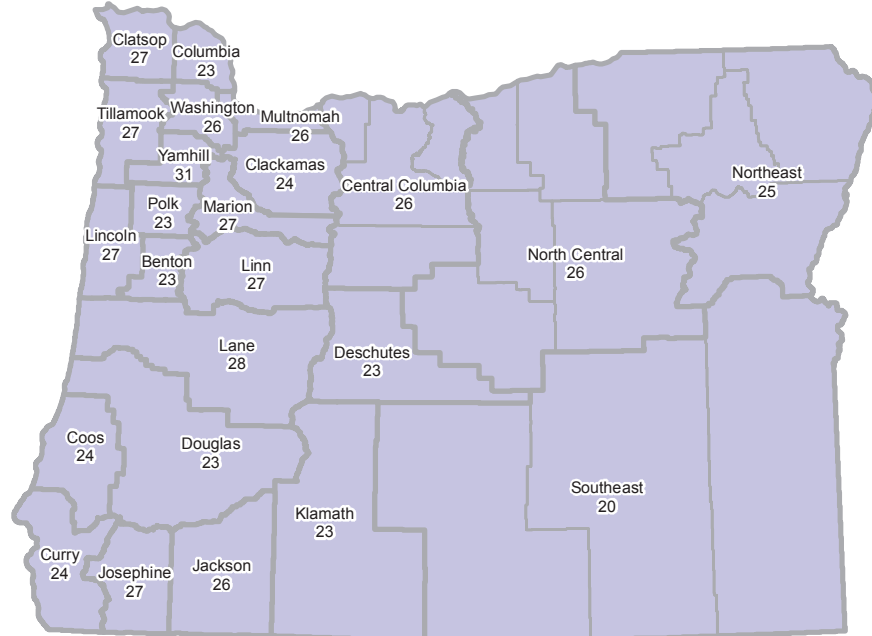


Breast Cancer - Female

Rates of Female Breast Cancer Incidence, 1996-2005
1996-2005 Oregon Rate = 140.



Rates of Female Breast Cancer Mortality, 1996-2005
1996-2005 Oregon Rate = 26.



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

Breast Cancer - Female

Breast Cancer (Female) Incidence and Mortality by County, 1996-2005: Average Count, Annual Rate, and 10-Year Trend

BREAST, FEMALE 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
Total	2,667	139.9	-1.1	507	25.6	-3.9
Baker	17	143.7	-2.8	3	22.9	^
Benton	53	142.3	0.6	9	23.1	^
Clackamas	278	147.7 H	-1.4	45	23.9	3.2
Clatsop	28	123.2	0.2	7	26.6	^
Columbia	30	128.5	0.6	5	22.9	^
Coos	61	135.1	-2.7	12	24.4	0.4
Crook	17	149.2	5.4 *	3	25.9	^
Curry	22	123.2	-2.9	5	24.0	^
Deschutes	90	133.9	-1.5	16	23.1	-12.1 *
Douglas	86	128.4 L	0.0	16	23.0	-6.8
Gilliam	2	119.1	^	1	^	^
Grant	5	100.8 L	^	2	27.5	^
Harney	6	135.0	^	1	30.2	^
Hood River	14	126.2	-1.8	4	30.1	^
Jackson	168	146.5	-1.3	32	26.3	-4.2
Jefferson	11	115.4	5.4	2	23.4	^
Josephine	74	134.7	0.3	17	27.1	8.0
Klamath	49	131.1	-0.4	9	22.9	^
Lake	7	132.0	^	1	26.9	^
Lane	260	141.2	-1.9	53	27.5	-3.0
Lincoln	48	141.3	-1.0	10	27.2	^
Linn	80	130.7	-3.1	17	27.3	16.3
Malheur	17	107.6 L	1.1	3	16.3 L	^
Marion	222	148.3 H	-1.7	43	27.3	-5.2
Morrow	6	118.8	^	1	23.6	^
Multnomah	494	144.5	-1.1	92	25.9	-6.1
Polk	54	143.8	-0.6	9	23.4	^
Sherman	1	108.8	^	0	^	^
Tillamook	23	127.5	-0.4	5	27.1	^
Umatilla	43	120.7 L	-0.5	11	28.0	-3.2
Union	20	133.4	1.2	3	19.7	^
Wallowa	7	134.8	^	1	23.7	^
Wasco	21	139.9	1.9	4	26.5	^
Washington	292	141.1	-0.6	53	25.8	-5.2
Wheeler	1	^	^	0	^	^
Yamhill	61	142.8	-0.8	14	30.7	-4.9

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.