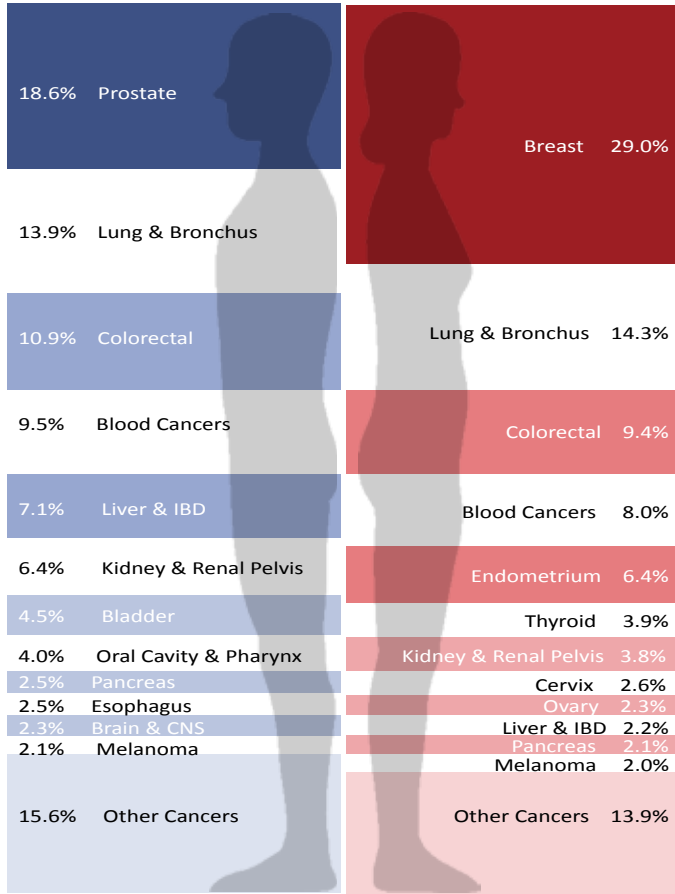


Cancer Among American Indians and Alaska Natives in Idaho, Oregon, and Washington, 2008-2012



Northwest Portland Area Indian Health Board
Indian Leadership for Indian Health

Leading cancer sites by sex



Male AI/AN rate
473.3 (447.4, 500.7)

Female AI/AN rate
446.3 (425.0, 468.5)

CNS = Central Nervous System

IBD = Intrahepatic Bile Duct

Incidence, selected cancer sites per 100,000 population, calculated using invasive cases only			
Cancer	N	AI/AN Rate (95% CI)	NHW Rate (95% CI)
All cancers [†]	3,705	455.0 (438.7, 472.0)	472.4 (470.2, 474.6)
Breast (Female)	573	124.1 (113.3, 135.8)	134.7 (133.0, 136.3)
Lung & Bronchus*	523	73.8 (66.9, 81.2)	61.2 (60.4, 62.0)
Colorectal*	374	48.8 (43.4, 54.8)	38.4 (37.7, 39.0)
Blood Cancers	324	39.3 (34.6, 44.6)	42.7 (42.1, 43.4)
Prostate (Male) [†]	322	89.3 (78.4, 101.8)	128.9 (127.3, 130.5)
Kidney & Renal Pelvis*	186	21.0 (17.8, 24.8)	15.4 (15.0, 15.8)

*AI/AN rate significantly higher than NHW rate (p<0.05)

†AI/AN rate significantly lower than NHW rate (p<0.05)

AI/AN = American Indian/Alaska Native
N = Number of Cases

NHW = non-Hispanic White
CI = Confidence Interval

Racial Misclassification

AI/AN are often incorrectly classified as another race (usually White) in public data sources, which results in inaccurate cancer statistics for AI/AN populations. Each year, the Improving Data and Enhancing Access - Northwest (IDEA-NW) project partners with the cancer registries in Idaho, Oregon, and Washington to correct AI/AN racial misclassification through record linkages. Please contact us if you are interested in joining our efforts to improve cancer data for Northwest tribal communities.

Leading cancer sites by age group and sex (percent of cases)

Rank	0-19		20-39		40-64		65+	
	Male	Female	Male	Female	Male	Female	Male	Female
1	Blood Cancers/ Brain & CNS (26.9% each)	Blood Cancers (38.5%)	Testis (24.1%)	Breast (28.0%)	Prostate (18.0%)	Breast (32.6%)	Prostate (22.2%)	Breast (25.4%)
2	--	Brain & CNS (19.2%)	Blood Cancers (21.3%)	Thyroid (16.7%)	Colorectal (11.0%)	Lung & Bronchus (11.1%)	Lung & Bronchus (19.4%)	Lung & Bronchus (21.2%)
3	--	--	Kidney & Renal Pelvis (12.0%)	Blood Cancers/ Cervix (11.4%)	Liver & IBD/ Lung & Bronchus (10.5%)	Colorectal (9.1%)	Colorectal (11.7%)	Colorectal (10.9%)
4	--	--	Brain & CNS (8.3%)	Melanoma (7.6%)	Blood Cancers (8.8%)	Endometrium (8.4%)	Blood Cancers (8.1%)	Blood Cancers (8.7%)
5	--	--	Colorectal/Thyroid (6.5% each)	Colorectal (5.3%)	Kidney & Renal Pelvis (7.3%)	Blood Cancers (6.4%)	Bladder (6.0%)	Endometrium (4.5%)
Total Cases	26	26	108	132	772	1,038	823	780

"--" = Not enough cases to report

Cancer screening measures: Portland Area IHS (2014 reporting year)

50.3% of women ages 24-64 had a pap smear in the past 3 years, or (for women ages 30-64) a pap smear and HPV DNA test in the past 5 years	<i>All IHS: 54.6%</i> <i>2020 Goal¹: 93%</i>
44.7% of women ages 52-64 had a mammogram in the past 2 years	<i>All IHS: 54.2%</i> <i>2020 Goal²: 81.1%</i>
38.4% of patients ages 50-75 had a colorectal cancer screening in the past year	<i>All IHS: 37.5%</i> <i>2020 Goal: 70.5%</i>
40.6% of tobacco users received tobacco cessation counseling or quit in the past year	<i>All IHS: 48.2%</i> <i>2020 Goal³: 80%</i>

¹ Females ages 21-65, within past 3 years

² Females ages 50-74, once every 2 years

³ Adult smokers who attempted to stop smoking in past 12 months

Cancer is the second leading cause of death for AI/AN in the Northwest and nationwide. One of the best strategies to reduce cancer mortality is early detection through routine cancer screening tests. Avoiding tobacco products greatly reduces risks for lung and other cancers.

Data Notes

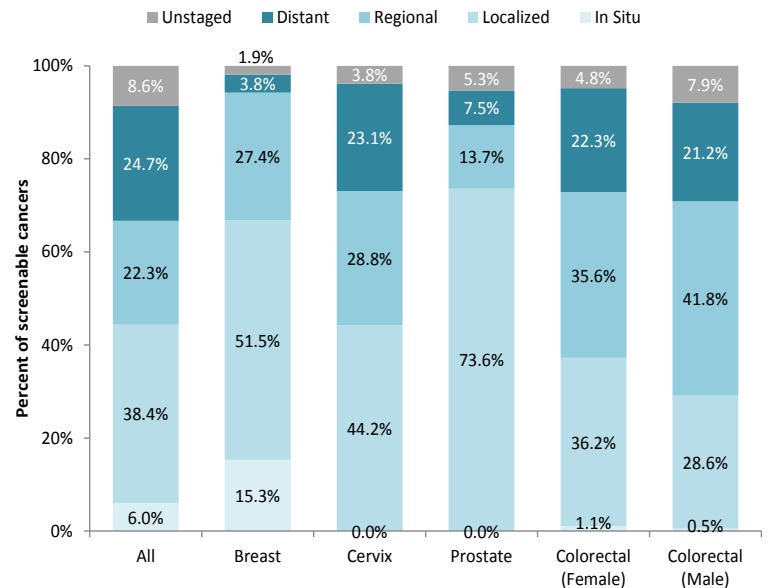
- Cancer incidence data are from the Cancer Data Registry of Idaho, Oregon State Cancer Registry, and Washington State Cancer Registry. Cancer mortality data are from the Idaho Bureau of Vital Records and Health Statistics, and the Oregon and Washington Centers for Health Statistics. Screening data are from the Indian Health Service.
- Data for this fact sheet compiled by NPAIHB's IDEA-NW and Northwest Tribal Comprehensive Cancer Projects.
- Unless specified as non-Hispanic White (NHW), all data are for American Indian or Alaska Native (AI/AN alone or in combination with another race) residents of Idaho, Oregon, and Washington.
- Cancer incidence counts, proportions, and rates are based on all invasive cancers (plus in situ urinary bladder cancers); mortality rates include all deaths from invasive cancers.
- Rates are age-adjusted to the 2000 US Standard population and represent the number of new cases (or deaths) that occurred in a population during the specified time period, per 100,000 population.
- Blood cancers include leukemia, Hodgkin lymphoma, non-Hodgkin lymphoma, and multiple myeloma.
- The data on this fact sheet are not comparable to those published by state and federal agencies due to differences in how we identify AI/AN individuals.

**For more information, please contact the
IDEA-NW Project:**
503-416-3261; ideanw@npaihb.org
www.npaihb.org



This publication is supported by the following grants:
Centers for Disease Control and Prevention, National Cancer Prevention and Control Program Grant # 5 U58 DP003935-3
Department of Health and Human Services Office of Minority Health Grant #AIAMP120012-01-00

Stage at diagnosis, selected cancer sites



Note: *In situ* and localized are often considered “early stage” while regional and distant are considered “late stage”. The “All” category includes all stageable cancers.

Mortality rates for selected cancer sites, 2008-2012 per 100,000 population, calculated using invasive cancers only

Cancer	N	AI/AN Rate (95% CI)	NHW Rate (95% CI)
All Sites*	1,534	221.9 (209.6, 234.9)	171.4 (170.1, 172.7)
Lung & Bronchus*	410	69.6 (62.4, 77.5)	45.2 (44.6, 45.8)
Colorectal*	151	26.0 (21.5, 31.1)	13.9 (13.6, 14.3)
Blood Cancers	119	19.5 (15.8, 24)	16.8 (16.5, 17.2)
Liver & IBD*	112	16.2 (13.0, 20.0)	5.1 (4.9, 5.3)
Breast (Female)*	97	27.0 (21.5, 33.6)	20.3 (19.7, 20.9)
Pancreas	76	12.7 (9.7, 16.5)	10.8 (10.5, 11.1)
Prostate (Male)*	64	33.4 (24.9, 44.2)	22.3 (21.8, 22.9)
Kidney & Renal Pelvis*	56	9.1 (6.7, 12.3)	3.9 (3.7, 4.0)
Stomach*	29	5.4 (3.5, 8.2)	2.3 (2.2, 2.5)

*AI/AN rate significantly **higher** than NHW rate ($p < 0.05$)

Note: These mortality counts and rates are not comparable to data on the 2003-2007 cancer fact sheets, which used a different (incidence-based) method for estimating cancer mortality.

Resources

For general information on cancer, visit cancer.gov
For more information about statistical terms and interpretation, see www.cancer.gov/statistics/glossary
For more information on stage at diagnosis definitions, see www.cancer.gov/cancertopics/factsheet/detection/staging
Cancer Data Registry of Idaho: www.idcancer.org
Oregon State Cancer Registry: www.oregon.gov/DHS/ph/oscar
Washington State Cancer Registry: <https://fortress.wa.gov/doh/wscr/>