BLAINE COUNTY CANCER PROFILE

A publication from the Cancer Data Registry of Idaho, Idaho Hospital Association.

Cancer Incidence 2017–2021
Cancer Mortality 2018–2022
BRFSS 2011–2022

CANCER

Cancer is a group of over 100 different diseases, each characterized by the uncontrolled growth and spread of abnormal cells. Cancer risk increases with age and varies by gender and race. As the average age of the population increases, the incidence of cancer will increase as well.

An estimated 42% of all cancers in the United States are due to personal lifestyle factors, such as smoking and sedentary lifestyle, and are preventable (10.3322/caac.21440). Cancers are also attributable to environmental factors and gene-environment interactions. Other non-modifiable factors, such as age, sex, and family history of specific cancers, are also associated with cancer risk and can help identify people at elevated risk for developing cancer.

For some cancers, early detection can save lives. For example, colorectal cancer screening reduces mortality in adults aged 50–75 years (10.1001/jama.2017.3332). Improved primary prevention, early detection, and effective treatment can reduce the burden of cancer in Idaho.

RISK FACTORS AND INTERVENTIONS

Aging:
As the population ages, the number of new cancer cases and cancer deaths that occur each year will continue to increase. This trend could be reversed through significant improvements in primary prevention, early detection, and treatment.

Smoking:

Smoking and the use of smokeless tobacco are responsible for most cancers of the lung, trachea, bronchus, larynx, pharynx, oral cavity, and esophagus. Smoking is the leading cause of preventable death in the United States (PMID: 24455788).

Diet:
The U.S. Departments of Agriculture and Health and Human Services recommend the following dietary guidelines: eat a variety of foods; choose a diet with plenty of fruits, vegetables, and whole-grain products; limit the use of sugar, salt, and solid fats; and minimize alcoholic beverage consumption. For details, see https://www.dietaryguidelines.gov

Screening:
Early detection through screening reduces morbidity and mortality for cancers that can be diagnosed early and treated.

FOR MORE INFORMATION

Cancer Data Registry of Idaho
P.O. Box 1278
Boise, ID 83701
208-489-1380
https://www.idcancer.org

National Cancer Institute
Cancer Information Services
1-800-4CANCER
https://www.cancer.gov/contact

American Cancer Society
https://www.cancer.org

CANCER INCIDENCE 2017–2021

Nearly one in two Idahoans are estimated to develop cancer during their lifetime. During 2017–2021, 47,333 cases of invasive cancer were diagnosed among Idaho residents, and 711 cases of invasive cancer were diagnosed among Blaine County residents (Table 1).

Table 1: Incidence of All Cancers, Female Breast, Prostate, Lung and Bronchus, and Colorectal Cancers in Blaine County and the State of Idaho, 2017–2021

Cancer Incidence 2017–2021	Blaine County	State of Idaho
All Sites/Types	**711**	**47,333**
Female Breast	**114**	**6,943**
Prostate	**110**	**6,766**
Lung & Bronchus	**38**	**4,959**
Colorectal	**44**	**3,632**

Table 3 (*Cancer Incidence 2017–2021, Comparison between Blaine County and the Remainder of the State of Idaho*) shows the number of observed cases, person-years, crude rates, age- and sex-adjusted rates, expected number of cases based upon age- and sex-specific rates in the remainder of Idaho, and p-values for tests comparing the number of observed and expected cases in Blaine County. The table also shows the number of observed cases, person-years, and crude rates for the remainder of the state of Idaho. Comparisons between the county and the remainder of the state were made for all cancers combined, 23 invasive cancer types, in situ breast cancer, non-malignant brain and other central nervous system tumors, and pediatric (0–19 years) cancer. Separate comparisons for males, females, and both sexes combined are included.

As shown in Table 3, the crude incidence rate of invasive cancer in Blaine County was 611.1 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (525.3) gives an estimate of the relative burden of disease in Blaine County.

The age- and sex-adjusted incidence rate of invasive cancer in Blaine County, all sites combined, was 503.9 cases per 100,000 persons per year during 2017–2021. There were fewer cases of cancer in Blaine County (711) than expected (741.1) based upon rates in the remainder of the state, but the difference was not statistically significant.

There are many reasons why cancer incidence rates differ by county, such as the prevalence of smoking and other lifestyle factors, and access to healthcare.

CANCER MORTALITY 2018–2022

During 2018–2022, cancer was the second leading cause of death in Idaho; 15,233 Idaho residents and 155 Blaine County residents died from cancer during this period. Most cancer deaths are from five primary sites: lung, colon, pancreas, female breast, and prostate (Table 2).

Table 2: Overall and Cancer Mortality in Blaine County and the State of Idaho, 2018–2022

Mortality 2018–2022	Blaine County	State of Idaho
All Deaths	**676**	**80,538**
Cancer Deaths	**155**	**15,233**
% of All Deaths	*22.9%*	*18.9%*
Lung & Bronchus	**15**	**2,937**
Colorectal	**17**	**1,332**
Pancreas	**11**	**1,190**
Female Breast	**10**	**1,111**
Prostate	**14**	**997**

Table 4 (*Cancer Mortality 2018–2022, Comparison between Blaine County and the Remainder of the State of Idaho*) shows the number of observed deaths, person-years, crude rates, age- and sex-adjusted rates, expected number of deaths based upon age- and sex-specific rates in the remainder of Idaho, and p-values for tests comparing the number of observed and expected deaths for Blaine County. The table also shows the number of observed deaths, person-years, and crude rates for the remainder of the state of Idaho. Comparisons between the county and the remainder of the state were made for all deaths, all cancer deaths, and 21 specific cancer types. Separate comparisons for males, females, and both sexes combined are included.

The age- and sex-adjusted cancer mortality rate for Blaine County, all sites combined, was 106.4 deaths per 100,000 persons per year during 2018–2022, compared with 165.8 for the remainder of the state. There were statistically significantly fewer cancer deaths in Blaine County (155) than expected (241.7) based upon rates in the remainder of the state ($p<.001$).

Statistical Note: Rates and percentages based upon 12 or fewer cases or deaths (numerator) should be interpreted with caution.
Data Note: Mortality data may differ slightly from published official statistics from the Bureau of Vital Records and Health Statistics.

TABLE 3: CANCER INCIDENCE 2017–2021
COMPARISON BETWEEN BLAINE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cancer Site/Type	Sex	Blaine County						Remainder of Idaho		
		Observed Cases	Person Years	Crude Rate (1)	A.A.I. Rate (1,2)	Expected Cases (3)	P-Value (4)	Observed Cases	Person Years	Crude Rate (1)
All Sites Combined	Total	711	116,342	611.1	503.9	741.1	0.276	46,622	8,875,764	525.3
All Sites Combined	Male	375	58,283	643.4	513.0	408.6	0.099	24,895	4,453,990	558.9
All Sites Combined	Female	336	58,059	578.7	489.5	337.3	0.973	21,727	4,421,774	491.4
Bladder	Total	30	116,342	25.8	21.1	35.1	0.446	2,190	8,875,764	24.7
Bladder	Male	21	58,283	36.0	28.2	29.3	0.139	1,752	4,453,990	39.3
Bladder	Female	9	58,059	15.5	13.1	6.8	0.492	438	4,421,774	9.9
Brain - malignant	Total	15	116,342	12.9	11.2	9.7	0.134	642	8,875,764	7.2
Brain - malignant	Male	8	58,283	13.7	11.8	5.7	0.436	374	4,453,990	8.4
Brain - malignant	Female	7	58,059	12.1	10.7	4.0	0.213	268	4,421,774	6.1
Brain and other CNS - non-malignant	Total	26	116,342	22.3	19.0	23.5	0.654	1,521	8,875,764	17.1
Brain and other CNS - non-malignant	Male	9	58,283	15.4	13.0	7.6	0.712	491	4,453,990	11.0
Brain and other CNS - non-malignant	Female	17	58,059	29.3	25.2	15.7	0.808	1,030	4,421,774	23.3
Breast	Total	114	116,342	98.0	80.6	109.9	0.718	6,894	8,875,764	77.7
Breast	Male	-	58,283	-	-	1.1	0.695	65	4,453,990	1.5
Breast	Female	114	58,059	196.4	162.7	108.2	0.602	6,829	4,421,774	154.4
Breast - in situ	Total	25	116,342	21.5	17.4	21.7	0.533	1,344	8,875,764	15.1
Breast - in situ	Male	-	58,283	-	-	0.1	1.000	4	4,453,990	0.1
Breast - in situ	Female	25	58,059	43.1	34.9	21.7	0.532	1,340	4,421,774	30.3
Cervix	Female	3	58,059	5.2	4.6	4.3	0.771	291	4,421,774	6.6
Colorectal	Total	44	116,342	37.8	31.4	56.6	0.099	3,588	8,875,764	40.4
Colorectal	Male	24	58,283	41.2	33.2	31.7	0.195	1,953	4,453,990	43.8
Colorectal	Female	20	58,059	34.4	29.6	24.9	0.376	1,635	4,421,774	37.0
Corpus Uteri	Female	17	58,059	29.3	23.8	21.6	0.382	1,337	4,421,774	30.2
Esophagus	Total	8	116,342	6.9	5.6	8.1	1.000	499	8,875,764	5.6
Esophagus	Male	8	58,283	13.7	10.8	7.0	0.800	421	4,453,990	9.5
Esophagus	Female	-	58,059	-	-	1.2	0.596	78	4,421,774	1.8
Hodgkin Lymphoma	Total	2	116,342	1.7	1.7	3.0	0.849	220	8,875,764	2.5
Hodgkin Lymphoma	Male	-	58,283	-	-	1.8	0.326	129	4,453,990	2.9
Hodgkin Lymphoma	Female	2	58,059	3.4	3.5	1.2	0.661	91	4,421,774	2.1
Kidney and Renal Pelvis	Total	19	116,342	16.3	13.4	30.8	0.031 <<	1,932	8,875,764	21.8
Kidney and Renal Pelvis	Male	9	58,283	15.4	12.5	21.1	0.005 <<	1,301	4,453,990	29.2
Kidney and Renal Pelvis	Female	10	58,059	17.2	14.5	9.8	1.000	631	4,421,774	14.3
Larynx	Total	2	116,342	1.7	1.4	3.5	0.631	218	8,875,764	2.5
Larynx	Male	1	58,283	1.7	1.4	2.7	0.481	166	4,453,990	3.7
Larynx	Female	1	58,059	1.7	1.4	0.9	1.000	52	4,421,774	1.2
Leukemia	Total	29	116,342	24.9	21.1	26.3	0.654	1,698	8,875,764	19.1
Leukemia	Male	19	58,283	32.6	26.7	16.3	0.559	1,017	4,453,990	22.8
Leukemia	Female	10	58,059	17.2	14.9	10.3	1.000	681	4,421,774	15.4
Liver and Bile Duct	Total	9	116,342	7.7	6.2	13.6	0.263	834	8,875,764	9.4
Liver and Bile Duct	Male	7	58,283	12.0	9.5	9.7	0.491	587	4,453,990	13.2
Liver and Bile Duct	Female	2	58,059	3.4	2.9	3.9	0.509	247	4,421,774	5.6
Lung and Bronchus	Total	38	116,342	32.7	26.4	79.8	0.000 <<	4,921	8,875,764	55.4
Lung and Bronchus	Male	21	58,283	36.0	28.0	41.7	0.001 <<	2,474	4,453,990	55.5
Lung and Bronchus	Female	17	58,059	29.3	24.5	38.5	0.000 <<	2,447	4,421,774	55.3
Melanoma of the Skin	Total	93	116,342	79.9	67.3	47.5	0.000 >>	3,051	8,875,764	34.4
Melanoma of the Skin	Male	55	58,283	94.4	76.5	29.7	0.000 >>	1,840	4,453,990	41.3
Melanoma of the Skin	Female	38	58,059	65.5	56.8	18.3	0.000 >>	1,211	4,421,774	27.4
Myeloma	Total	16	116,342	13.8	11.2	11.5	0.239	712	8,875,764	8.0
Myeloma	Male	12	58,283	20.6	16.2	7.2	0.129	435	4,453,990	9.8
Myeloma	Female	4	58,059	6.9	5.8	4.3	1.000	277	4,421,774	6.3
Non-Hodgkin Lymphoma	Total	32	116,342	27.5	22.8	31.0	0.901	1,960	8,875,764	22.1
Non-Hodgkin Lymphoma	Male	16	58,283	27.5	22.2	18.3	0.705	1,130	4,453,990	25.4
Non-Hodgkin Lymphoma	Female	16	58,059	27.6	23.4	12.8	0.441	830	4,421,774	18.8
Oral Cavity and Pharynx	Total	26	116,342	22.3	18.1	20.9	0.312	1,289	8,875,764	14.5
Oral Cavity and Pharynx	Male	19	58,283	32.6	26.0	15.1	0.378	921	4,453,990	20.7
Oral Cavity and Pharynx	Female	7	58,059	12.1	10.0	5.8	0.723	368	4,421,774	8.3
Ovary	Female	16	58,059	27.6	23.2	8.4	0.024 >>	537	4,421,774	12.1
Pancreas	Total	13	116,342	11.2	9.2	23.6	0.026 <<	1,475	8,875,764	16.6
Pancreas	Male	6	58,283	10.3	8.1	13.6	0.037 <<	820	4,453,990	18.4
Pancreas	Female	7	58,059	12.1	10.2	10.2	0.410	655	4,421,774	14.8
Prostate	Male	110	58,283	188.7	147.1	111.8	0.918	6,656	4,453,990	149.4
Stomach	Total	4	116,342	3.4	2.9	7.4	0.275	470	8,875,764	5.3
Stomach	Male	2	58,283	3.4	2.7	5.0	0.247	305	4,453,990	6.8
Stomach	Female	2	58,059	3.4	3.0	2.5	1.000	165	4,421,774	3.7
Testis	Male	4	58,283	6.9	7.3	3.3	0.851	270	4,453,990	6.1
Thyroid	Total	16	116,342	13.8	12.5	16.9	0.961	1,169	8,875,764	13.2
Thyroid	Male	8	58,283	13.7	11.8	5.5	0.386	364	4,453,990	8.2
Thyroid	Female	8	58,059	13.8	12.8	11.4	0.394	805	4,421,774	18.2
Pediatric Age 0 to 19	Total	7	27,069	25.9	26.0	4.6	0.352	418	2,472,255	16.9
Pediatric Age 0 to 19	Male	3	13,897	21.6	21.8	2.3	0.809	211	1,260,424	16.7
Pediatric Age 0 to 19	Female	4	13,172	30.4	30.3	2.3	0.384	207	1,211,831	17.1

Notes: 1. Rates are expressed as the number of cases per 100,000 persons per year (person-years).

2. Age and sex-adjusted incidence (A.A.I.) rates for county use age and sex-specific crude rates for the remainder of the state as standard.

3. Expected cases are based upon age and sex-specific rates for the remainder of the state of Idaho (compare to observed).

4. P-values compare observed and expected cases, are two tailed, based upon the Poisson probability distribution.

"<<" denotes significantly fewer cases observed than expected, ">>" denotes significantly more cases observed than expected (p=.05).

Statistical Note: Rates based upon 12 or fewer cases (numerator) should be interpreted with caution.

TABLE 4: CANCER MORTALITY 2018–2022
COMPARISON BETWEEN BLAINE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cause of Death Cancer Site/Type	Sex	Blaine County						Remainder of Idaho		
		Observed Deaths	Person Years	Crude Rate (1)	A.A.M. Rate (1,2)	Expected Deaths (3)	P-Value (4)	Observed Deaths	Person Years	Crude Rate (1)
All Causes of Death	Total	676	118,807	569.0	484.3	1,226.0	0.000 <<	79,859	9,092,587	878.3
All Causes of Death	Male	394	59,425	663.0	533.4	685.4	0.000 <<	42,392	4,568,272	928.0
All Causes of Death	Female	282	59,382	474.9	427.7	546.0	0.000 <<	37,467	4,524,315	828.1
All Malignant Cancers	Total	155	118,807	130.5	106.4	241.7	0.000 <<	15,078	9,092,587	165.8
All Malignant Cancers	Male	91	59,425	153.1	118.9	136.4	0.000 <<	8,144	4,568,272	178.3
All Malignant Cancers	Female	64	59,382	107.8	91.4	107.3	0.000 <<	6,934	4,524,315	153.3
Bladder	Total	3	118,807	2.5	2.1	7.5	0.117	482	9,092,587	5.3
Bladder	Male	2	59,425	3.4	2.6	6.2	0.107	373	4,568,272	8.2
Bladder	Female	1	59,382	1.7	1.5	1.6	1.000	109	4,524,315	2.4
Brain and Other Nervous System	Total	8	118,807	6.7	5.6	8.1	1.000	510	9,092,587	5.6
Brain and Other Nervous System	Male	5	59,425	8.4	6.8	4.6	0.967	284	4,568,272	6.2
Brain and Other Nervous System	Female	3	59,382	5.1	4.3	3.5	1.000	226	4,524,315	5.0
Breast	Total	10	118,807	8.4	6.9	17.6	0.073	1,114	9,092,587	12.3
Breast	Male	-	59,425	-	-	0.2	1.000	13	4,568,272	0.3
Breast	Female	10	59,382	16.8	14.3	17.0	0.096	1,101	4,524,315	24.3
Cervix	Female	1	59,382	1.7	1.4	1.4	1.000	87	4,524,315	1.9
Colorectal	Total	17	118,807	14.3	11.7	21.0	0.459	1,315	9,092,587	14.5
Colorectal	Male	9	59,425	15.1	11.9	11.9	0.495	723	4,568,272	15.8
Colorectal	Female	8	59,382	13.5	11.6	9.0	0.899	592	4,524,315	13.1
Corpus Uteri	Female	3	59,382	5.1	4.2	2.6	0.986	166	4,524,315	3.7
Esophagus	Total	5	118,807	4.2	3.4	7.5	0.492	456	9,092,587	5.0
Esophagus	Male	5	59,425	8.4	6.5	6.5	0.735	386	4,568,272	8.4
Esophagus	Female	-	59,382	-	-	1.1	0.675	70	4,524,315	1.5
Hodgkin Lymphoma	Total	-	118,807	-	-	0.4	1.000	25	9,092,587	0.3
Hodgkin Lymphoma	Male	-	59,425	-	-	0.2	1.000	14	4,568,272	0.3
Hodgkin Lymphoma	Female	-	59,382	-	-	0.2	1.000	11	4,524,315	0.2
Kidney	Total	2	118,807	1.7	1.4	6.2	0.109	384	9,092,587	4.2
Kidney	Male	1	59,425	1.7	1.3	4.1	0.170	245	4,568,272	5.4
Kidney	Female	1	59,382	1.7	1.4	2.1	0.747	139	4,524,315	3.1
Larynx	Total	-	118,807	-	-	1.2	0.585	76	9,092,587	0.8
Larynx	Male	-	59,425	-	-	1.1	0.670	65	4,568,272	1.4
Larynx	Female	-	59,382	-	-	0.2	1.000	11	4,524,315	0.2
Leukemia	Total	9	118,807	7.6	6.3	10.4	0.827	656	9,092,587	7.2
Leukemia	Male	4	59,425	6.7	5.3	6.5	0.440	393	4,568,272	8.6
Leukemia	Female	5	59,382	8.4	7.3	4.0	0.732	263	4,524,315	5.8
Liver and Bile Duct	Total	6	118,807	5.1	4.0	10.3	0.227	629	9,092,587	6.9
Liver and Bile Duct	Male	4	59,425	6.7	5.2	7.0	0.341	419	4,568,272	9.2
Liver and Bile Duct	Female	2	59,382	3.4	2.8	3.3	0.711	210	4,524,315	4.6
Lung and Bronchus	Total	15	118,807	12.6	10.1	47.7	0.000 <<	2,922	9,092,587	32.1
Lung and Bronchus	Male	9	59,425	15.1	11.6	26.1	0.000 <<	1,532	4,568,272	33.5
Lung and Bronchus	Female	6	59,382	10.1	8.5	21.8	0.000 <<	1,390	4,524,315	30.7
Melanoma of the Skin	Total	4	118,807	3.4	2.8	4.7	0.978	297	9,092,587	3.3
Melanoma of the Skin	Male	4	59,425	6.7	5.3	3.3	0.820	196	4,568,272	4.3
Melanoma of the Skin	Female	-	59,382	-	-	1.5	0.429	101	4,524,315	2.2
Myeloma	Total	5	118,807	4.2	3.4	5.2	1.000	320	9,092,587	3.5
Myeloma	Male	4	59,425	6.7	5.2	3.1	0.762	184	4,568,272	4.0
Myeloma	Female	1	59,382	1.7	1.4	2.1	0.764	136	4,524,315	3.0
Non-Hodgkin Lymphoma	Total	5	118,807	4.2	3.4	9.0	0.235	563	9,092,587	6.2
Non-Hodgkin Lymphoma	Male	3	59,425	5.0	3.9	5.2	0.483	307	4,568,272	6.7
Non-Hodgkin Lymphoma	Female	2	59,382	3.4	2.9	3.8	0.523	256	4,524,315	5.7
Oral Cavity and Pharynx	Total	2	118,807	1.7	1.3	4.5	0.357	273	9,092,587	3.0
Oral Cavity and Pharynx	Male	2	59,425	3.4	2.6	3.2	0.762	190	4,568,272	4.2
Oral Cavity and Pharynx	Female	-	59,382	-	-	1.3	0.539	83	4,524,315	1.8
Ovary	Female	6	59,382	10.1	8.4	5.6	0.968	355	4,524,315	7.8
Pancreas	Total	11	118,807	9.3	7.4	19.2	0.063	1,179	9,092,587	13.0
Pancreas	Male	6	59,425	10.1	7.8	10.9	0.165	644	4,568,272	14.1
Pancreas	Female	5	59,382	8.4	7.0	8.4	0.311	535	4,524,315	11.8
Prostate	Male	14	59,425	23.6	18.3	16.4	0.654	983	4,568,272	21.5
Stomach	Total	-	118,807	-	-	3.1	0.094	194	9,092,587	2.1
Stomach	Male	-	59,425	-	-	2.0	0.277	119	4,568,272	2.6
Stomach	Female	-	59,382	-	-	1.1	0.644	75	4,524,315	1.7

Notes: 1. Rates are expressed as the number of cases per 100,000 persons per year (person-years).
2. Age and sex-adjusted mortality (A.A.M.) rates for county use age and sex-specific crude rates for the remainder of the state as standard.
3. Expected cases are based upon age and sex-specific rates for the remainder of the state of Idaho (compare to observed).
4. P-values compare observed and expected cases, are two tailed, based upon the Poisson probability distribution.
"<<" denotes significantly fewer cases observed than expected, ">>" denotes significantly more cases observed than expected (p=.05).

Statistical Notes: Rates based upon 12 or fewer cases (numerator) should be interpreted with caution.
Mortality statistics presented differ from BVRHS official statistics due to differences in methodology.

Data Source: Bureau of Vital Records and Health Statistics (BVRHS), Division of Public Health, Idaho Department of Health and Welfare, 2023.

Cancer Screening and Risk Factors

The Division of Public Health (DPH), Idaho Department of Health and Welfare, under a cooperative agreement with the Centers for Disease Control and Prevention, has conducted telephone Behavioral Risk Factor Surveys since 1984. These surveys are conducted with randomly selected adult Idahoans to measure population prevalences of risk factors for major causes of death in the U.S., including cancer. DPH provided Behavioral Risk Factor Surveillance System (BRFSS) data from 2011 through 2022 to CDRI staff, who performed the analyses reported in these *County Profiles*. Analysis weights were post-stratified to 2022 population estimates by age group, sex, and county, beginning with the BRFSS raked weights. Not all questions were asked in all years. Crude prevalence estimates are presented herein; a minimum of 50 respondents was required to generate county-level statistics. Results may differ from IDHW reports due to differences in methods. Cancer screening and risk factor measures were selected to assist in monitoring *Comprehensive Cancer Alliance for Idaho* (CCAI) objectives. Wald log-linear chi-square statistics were used to test for independence of the selected measures and other variables, such as age and race, taking the complex survey design into account.

Cancer Screening and Risk Factor Prevalence Estimates, 2011–2022

Measure	State of Idaho	HD 1	HD 2	HD 3	HD 4	HD 5	HD 6	HD 7	Blaine County
Access to Care									
Have Health Insurance, Age < 65 (2021–2022)	90.0%	89.3%	87.8%	86.4%	92.6%	87.2%	89.1%	92.6%	90.6%
Not See Doctor Due to Cost in Past Year (2020–2022)	10.4%	9.5%	11.0%	11.0%	10.2%	10.2%	10.4%	11.3%	7.5%
Cancer Screening									
Mammogram Past 2 Years, Age 40–74 (2014–2022, even years)	62.9%	61.0%	70.0%	60.3%	66.1%	58.9%	61.0%	62.5%	71.9%
Pap Test Past 3 Years, Cervix Intact Age 21–65 (2018, 2020)	71.1%	73.7%	73.6%	70.9%	72.9%	69.4%	69.3%	65.5%	.
Colorectal Cancer Screening, Age 45–75 (2022)	63.3%	61.0%	62.5%	60.8%	67.2%	65.0%	60.4%	60.2%	.
Tobacco Use									
Current Tobacco User (2020–2022)	22.1%	24.3%	20.4%	24.8%	21.3%	22.5%	22.6%	18.1%	17.5%
Other Cancer-Related									
Healthy Weight by Body Mass Index, Age 20+ (2020–2022)	30.0%	30.0%	30.1%	26.5%	33.7%	27.5%	26.7%	30.2%	44.3%
Any Physical Activity Besides Job Past 30 Days (2018–2022)	79.1%	79.0%	78.0%	75.4%	82.7%	75.2%	76.7%	81.0%	85.1%
Meet Physical Activity Guidelines (2011, 2013, 2015, 2017, 2019)	22.0%	22.8%	19.2%	20.0%	25.2%	19.5%	20.4%	20.3%	30.7%
Home Ever Tested for Radon (2016, 2018, 2020)	22.9%	30.8%	18.3%	16.9%	25.2%	20.1%	23.0%	21.0%	54.7%

Access to Care

Have Health Insurance – 2021–2022
Statewide, 90.0% of adults aged 18–64 reported having health care coverage. Health care coverage differed significantly by race/ethnicity, with 91.4% of white non-Hispanics, compared to 81.5% of Hispanics and 90.5% of Native Americans, having health insurance. Spanish-speaking respondents were significantly less likely to be insured (46.0%) than English-speaking respondents (90.5%). Health care coverage differed significantly by age of respondent, with 87.2% of persons aged 18–29, and 93.4% of persons aged 50–64, having health insurance. Health care coverage differed significantly by county, with a range of 64.8% in Idaho County to 95.9% in Shoshone County having health insurance.

Not See Doctor Due to Cost in Past Year – 2020–2022
Statewide, 10.4% of adults aged 18+ reported they needed to see a doctor but could not because of cost sometime in the past 12 months. Inability to see a doctor due to cost differed significantly by race/ethnicity (9.2% of white non-Hispanics, 16.9% of Hispanics, and 15.7% of Native Americans). Inability to see a doctor due to cost differed significantly by annual household income (21.9% for less than $15,000, 5.8% for greater than $50,000).

Cancer Screening

Mammogram – 2014–2022, even years
Statewide, 62.9% of women aged 40–74 reported having a mammogram in the past 2 years. Insured women were about twice as likely to have had a mammogram in the past 2 years (66.3% versus 31.2%). Mammography rates differed significantly by county, with a range in screening of 41.6% in Owyhee County to 76.1% in Nez Perce County. In 2022, Idaho ranked 49th among states and the District of Columbia for mammography screening rates among women aged 40+.

Pap Test – 2018, 2020
Statewide, 71.1% of women with an intact cervix and aged 21–65 reported having a Pap test in the past 3 years. Women with health insurance were significantly more likely to have timely Pap screening than uninsured women (75.0% versus 52.8% screened in the past 3 years). Pap screening differed significantly by county, with a range of 50.6% in Bingham County to 78.9% in Bannock County. In 2020, Idaho ranked 49th among states and the District of Columbia for Pap screening rate.

Colorectal Cancer Screening – 2022
Statewide, 63.3% of adults aged 45–75 reported being current for colorectal cancer screening.** Persons with health insurance were over twice as likely to be current for colorectal cancer screening. In 2022, Idaho ranked 42nd among states and the District of Columbia in the percentage of adults aged 45–75 and older who reported being up-to-date for colorectal cancer screening.

** Current for colorectal cancer screening means a blood stool test in the past year, sigmoidoscopy in the past 5 years and blood stool test in the past 3 years, blood stool DNA test in the past 3 years, virtual colonoscopy in the past 5 years, or a colonoscopy in the past 10 years.

Cancer Screening and Risk Factors

Tobacco Use

Current Tobacco Use – 2020–2022
Current tobacco use includes at least 1 form of cigarettes; cigars, cigarillos, filtered little cigars; regular pipes, water pipes, hookah; e-cigarettes; and/or smokeless tobacco products every day or some days. Statewide, 22.1% of adults aged 18 and older were current tobacco users. Tobacco use differed significantly by age of respondent, with 28.9% of persons aged 18–29, and 10.7% of persons aged 65 and older reporting current tobacco use. Tobacco use was lower among white non-Hispanics (21.5%) than among Native Americans (38.0%). Tobacco use differed significantly by county, with a range of 6.1% in Madison County to 33.5% in Elmore County. Counties with higher rates of tobacco use had significantly higher rates of lung cancer.

Other Cancer-Related

Healthy Weight by Body Mass Index – 2020–2022
Statewide, 30.0% of adults aged 20 and older were in the healthy weight range as measured by body mass index (BMI 18.5–24.9). BMI differed significantly by race/ethnicity, with 30.5% of white non-Hispanics, compared to 25.8% of Hispanics and 21.5% of Native Americans, being in the healthy weight range. Males (24.4%) were significantly less likely to be in the healthy weight range than females (35.7%). BMI differed significantly by age of respondent, with 41.1% of persons aged 18–29, and 23.4% of persons aged 50–64, being in the healthy weight range. BMI differed significantly by county, with a range of 11.7% in Power County to 44.3% in Blaine County of adults being in the healthy weight range.

Any Physical Activity – 2018-2022
CCAI is measuring physical activity with two metrics: Any physical activity besides job in past 30 days and meeting aerobic and strength physical activity guidelines during the past month or week. Statewide, 79.1% of adults aged 18 and older reported physical activity besides their job in the past 30 days. Physical activity differed significantly by age of respondent, with 83.7% of persons aged 18–29, and 72.5% of persons aged 65+, reporting any physical activity besides their job. The percentage of adults reporting any physical activity differed significantly by county, with a range of 66.9% in Oneida County to 88.3% in Teton County. Counties with higher rates of physical activity had significantly lower rates of overall and colorectal cancer.

Physical Activity Guidelines – 2011, 2013, 2015, 2017, 2019
Statewide, 22.0% of adults aged 18 and older met aerobic and strength physical activity guidelines during the past month or week. Meeting physical activity guidelines differed significantly by age of respondent, with 26.2% of persons aged 18–29, and 19.2% of persons aged 50–64, meeting guidelines. The percentage of adults meeting physical activity guidelines differed significantly by county, with a range of 9.5% in Franklin County to 30.7% in Blaine County.

Home Radon Testing – 2016, 2018, 2020
Statewide, 22.9% of adults have ever tested their house for radon. Radon test usage varied significantly by race/ethnicity, with 25.1% of white non-Hispanics, 7.3% of Hispanics, and 25.4% of Native Americans having ever tested their house for radon. Radon test usage was higher for persons aged 50+ than for younger persons. Home radon testing differed significantly by county, with a range of 8.7% in Cassia County to 54.7% in Blaine County.

This project has been funded in whole or in part with Federal funds from the National Cancer Institute, National Institutes of Health, Department of Health and Human Services, under Contract No. HHSN261201800006I and the Centers for Disease Control and Prevention, Department of Health and Human Services, under Cooperative Agreement NU58DP007160. The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention or the National Cancer Institute.

CDRI Cancer Data Registry of Idaho

Idaho Hospital Association