

BOUNDARY 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 436 cases of invasive cancer were diagnosed among Boundary County residents (Table 1).

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

Cancer Incidence 2017–2021	Boundary County	State of Idaho
All Sites/Types	436	47,333
Female Breast	57	6,943
Prostate	57	6,766
Lung & Bronchus	51	4,959
Colorectal	46	3,632

Table 3 (*Cancer Incidence 2017–2021, Comparison between Boundary 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 Boundary 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 Boundary County was 706.7 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (525.1) gives an estimate of the relative burden of disease in Boundary County.

The age- and sex-adjusted incidence rate of invasive cancer in Boundary County, all sites combined, was 545.8 cases per 100,000 persons per year during 2017–2021. There were more cases of cancer in Boundary County (436) than expected (419.5) 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 154 Boundary 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 Boundary County and the State of Idaho, 2018–2022

Mortality 2018–2022	Boundary County	State of Idaho
All Deaths	692	80,538
Cancer Deaths	154	15,233
% of All Deaths	22.3%	18.9%
Lung & Bronchus	34	2,937
Colorectal	16	1,332
Pancreas	4	1,190
Female Breast	10	1,111
Prostate	16	997

Table 4 (*Cancer Mortality 2018–2022, Comparison between Boundary 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 Boundary 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 Boundary County, all sites combined, was 181.1 deaths per 100,000 persons per year during 2018–2022, compared with 164.8 for the remainder of the state. There were more cancer deaths in Boundary County (154) than expected (140.2) based upon rates in the remainder of the state, but the difference was not statistically significant.

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 BOUNDARY COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cancer Site/Type	Sex	Boundary 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	436	61,699	706.7	545.8	419.5	0.433	46,897	8,930,407	525.1
All Sites Combined	Male	238	31,115	764.9	565.8	235.0	0.860	25,032	4,481,158	558.6
All Sites Combined	Female	198	30,584	647.4	520.2	187.0	0.441	21,865	4,449,249	491.4
Bladder	Total	15	61,699	24.3	17.9	20.7	0.244	2,205	8,930,407	24.7
Bladder	Male	14	31,115	45.0	32.0	17.2	0.532	1,759	4,481,158	39.3
Bladder	Female	1	30,584	3.3	2.5	4.0	0.178	446	4,449,249	10.0
Brain - malignant	Total	7	61,699	11.3	9.5	5.4	0.583	650	8,930,407	7.3
Brain - malignant	Male	3	31,115	9.6	8.0	3.2	1.000	379	4,481,158	8.5
Brain - malignant	Female	4	30,584	13.1	11.0	2.2	0.370	271	4,449,249	6.1
Brain and other CNS - non-malignant	Total	13	61,699	21.1	17.0	13.1	1.000	1,534	8,930,407	17.2
Brain and other CNS - non-malignant	Male	4	31,115	12.9	10.4	4.3	1.000	496	4,481,158	11.1
Brain and other CNS - non-malignant	Female	9	30,584	29.4	24.1	8.7	1.000	1,038	4,449,249	23.3
Breast	Total	57	61,699	92.4	73.3	60.5	0.711	6,951	8,930,407	77.8
Breast	Male	-	31,115	-	-	0.6	1.000	65	4,481,158	1.5
Breast	Female	57	30,584	186.4	150.9	58.5	0.916	6,886	4,449,249	154.8
Breast - in situ	Total	7	61,699	11.3	9.1	11.8	0.200	1,362	8,930,407	15.3
Breast - in situ	Male	-	31,115	-	-	0.0	1.000	4	4,481,158	0.1
Breast - in situ	Female	7	30,584	22.9	18.7	11.5	0.233	1,358	4,449,249	30.5
Cervix	Female	2	30,584	6.5	6.3	2.1	1.000	292	4,449,249	6.6
Colorectal	Total	46	61,699	74.6	58.2	31.7	0.020 >>	3,586	8,930,407	40.2
Colorectal	Male	26	31,115	83.6	64.0	17.7	0.076	1,951	4,481,158	43.5
Colorectal	Female	20	30,584	65.4	52.1	14.1	0.162	1,635	4,449,249	36.7
Corpus Uteri	Female	12	30,584	39.2	31.2	11.6	0.984	1,342	4,449,249	30.2
Esophagus	Total	4	61,699	6.5	4.9	4.6	1.000	503	8,930,407	5.6
Esophagus	Male	3	31,115	9.6	7.0	4.1	0.844	426	4,481,158	9.5
Esophagus	Female	1	30,584	3.3	2.5	0.7	0.991	77	4,449,249	1.7
Hodgkin Lymphoma	Total	1	61,699	1.6	1.6	1.6	1.000	221	8,930,407	2.5
Hodgkin Lymphoma	Male	1	31,115	3.2	3.0	1.0	1.000	128	4,481,158	2.9
Hodgkin Lymphoma	Female	-	30,584	-	-	0.6	1.000	93	4,449,249	2.1
Kidney and Renal Pelvis	Total	13	61,699	21.1	16.4	17.2	0.382	1,938	8,930,407	21.7
Kidney and Renal Pelvis	Male	9	31,115	28.9	22.1	11.8	0.517	1,301	4,481,158	29.0
Kidney and Renal Pelvis	Female	4	30,584	13.1	10.4	5.5	0.721	637	4,449,249	14.3
Larynx	Total	4	61,699	6.5	4.9	2.0	0.276	216	8,930,407	2.4
Larynx	Male	2	31,115	6.4	4.8	1.5	0.916	165	4,481,158	3.7
Larynx	Female	2	30,584	6.5	5.1	0.5	0.153	51	4,449,249	1.1
Leukemia	Total	19	61,699	30.8	24.0	15.2	0.384	1,708	8,930,407	19.1
Leukemia	Male	12	31,115	38.6	29.3	9.4	0.469	1,024	4,481,158	22.9
Leukemia	Female	7	30,584	22.9	18.2	5.9	0.754	684	4,449,249	15.4
Liver and Bile Duct	Total	3	61,699	4.9	3.6	7.8	0.100	840	8,930,407	9.4
Liver and Bile Duct	Male	1	31,115	3.2	2.3	5.6	0.047 <<	593	4,481,158	13.2
Liver and Bile Duct	Female	2	30,584	6.5	5.0	2.2	1.000	247	4,449,249	5.6
Lung and Bronchus	Total	51	61,699	82.7	60.7	46.2	0.514	4,908	8,930,407	55.0
Lung and Bronchus	Male	32	31,115	102.8	72.7	24.2	0.147	2,463	4,481,158	55.0
Lung and Bronchus	Female	19	30,584	62.1	47.3	22.1	0.599	2,445	4,449,249	55.0
Melanoma of the Skin	Total	31	61,699	50.2	40.1	27.0	0.485	3,113	8,930,407	34.9
Melanoma of the Skin	Male	14	31,115	45.0	34.3	17.2	0.537	1,881	4,481,158	42.0
Melanoma of the Skin	Female	17	30,584	55.6	46.7	10.1	0.057	1,232	4,449,249	27.7
Myeloma	Total	10	61,699	16.2	12.1	6.6	0.266	718	8,930,407	8.0
Myeloma	Male	8	31,115	25.7	18.8	4.2	0.125	439	4,481,158	9.8
Myeloma	Female	2	30,584	6.5	5.0	2.5	1.000	279	4,449,249	6.3
Non-Hodgkin Lymphoma	Total	22	61,699	35.7	27.7	17.5	0.342	1,970	8,930,407	22.1
Non-Hodgkin Lymphoma	Male	15	31,115	48.2	36.6	10.3	0.205	1,131	4,481,158	25.2
Non-Hodgkin Lymphoma	Female	7	30,584	22.9	18.0	7.3	1.000	839	4,449,249	18.9
Oral Cavity and Pharynx	Total	11	61,699	17.8	13.7	11.8	0.980	1,304	8,930,407	14.6
Oral Cavity and Pharynx	Male	8	31,115	25.7	19.3	8.6	1.000	932	4,481,158	20.8
Oral Cavity and Pharynx	Female	3	30,584	9.8	7.7	3.3	1.000	372	4,449,249	8.4
Ovary	Female	5	30,584	16.3	13.2	4.7	0.993	548	4,449,249	12.3
Pancreas	Total	9	61,699	14.6	10.9	13.7	0.252	1,479	8,930,407	16.6
Pancreas	Male	7	31,115	22.5	16.4	7.8	0.958	819	4,481,158	18.3
Pancreas	Female	2	30,584	6.5	5.0	5.9	0.132	660	4,449,249	14.8
Prostate	Male	57	31,115	183.2	130.6	65.3	0.332	6,709	4,481,158	149.7
Stomach	Total	6	61,699	9.7	7.5	4.2	0.498	468	8,930,407	5.2
Stomach	Male	3	31,115	9.6	7.1	2.9	1.000	304	4,481,158	6.8
Stomach	Female	3	30,584	9.8	7.8	1.4	0.340	164	4,449,249	3.7
Testis	Male	2	31,115	6.4	7.6	1.6	0.944	272	4,481,158	6.1
Thyroid	Total	7	61,699	11.3	10.6	8.7	0.717	1,178	8,930,407	13.2
Thyroid	Male	3	31,115	9.6	8.3	3.0	1.000	369	4,481,158	8.2
Thyroid	Female	4	30,584	13.1	12.7	5.7	0.643	809	4,449,249	18.2
Pediatric Age 0 to 19	Total	5	15,725	31.8	31.7	2.7	0.266	420	2,483,599	16.9
Pediatric Age 0 to 19	Male	3	8,242	36.4	36.2	1.4	0.324	211	1,266,079	16.7
Pediatric Age 0 to 19	Female	2	7,483	26.7	26.6	1.3	0.741	209	1,217,520	17.2

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 BOUNDARY COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cause of Death Cancer Site/Type	Sex	Boundary 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	692	63,049	1,097.6	821.6	735.1	0.114	79,843	9,148,345	872.8
All Causes of Death	Male	378	31,845	1,187.0	898.4	388.2	0.625	42,408	4,595,852	922.7
All Causes of Death	Female	314	31,204	1,006.3	739.1	349.3	0.059	37,435	4,552,493	822.3
All Malignant Cancers	Total	154	63,049	244.3	181.1	140.2	0.261	15,079	9,148,345	164.8
All Malignant Cancers	Male	84	31,845	263.8	191.8	77.7	0.501	8,151	4,595,852	177.4
All Malignant Cancers	Female	70	31,204	224.3	169.4	62.9	0.400	6,928	4,552,493	152.2
Bladder	Total	3	63,049	4.8	3.4	4.6	0.642	482	9,148,345	5.3
Bladder	Male	3	31,845	9.4	6.8	3.6	1.000	372	4,595,852	8.1
Bladder	Female	-	31,204	-	-	1.0	0.706	110	4,552,493	2.4
Brain and Other Nervous System	Total	5	63,049	7.9	6.3	4.5	0.929	513	9,148,345	5.6
Brain and Other Nervous System	Male	2	31,845	6.3	4.9	2.6	1.000	287	4,595,852	6.2
Brain and Other Nervous System	Female	3	31,204	9.6	7.6	2.0	0.622	226	4,552,493	5.0
Breast	Total	10	63,049	15.9	12.0	10.1	1.000	1,114	9,148,345	12.2
Breast	Male	-	31,845	-	-	0.1	1.000	13	4,595,852	0.3
Breast	Female	10	31,204	32.0	24.4	9.9	1.000	1,101	4,552,493	24.2
Cervix	Female	1	31,204	3.2	2.8	0.7	0.993	87	4,552,493	1.9
Colorectal	Total	16	63,049	25.4	19.2	12.0	0.310	1,316	9,148,345	14.4
Colorectal	Male	6	31,845	18.8	14.2	6.7	0.999	726	4,595,852	15.8
Colorectal	Female	10	31,204	32.0	24.1	5.4	0.094	590	4,552,493	13.0
Corpus Uteri	Female	1	31,204	3.2	2.4	1.5	1.000	168	4,552,493	3.7
Esophagus	Total	3	63,049	4.8	3.5	4.3	0.771	458	9,148,345	5.0
Esophagus	Male	2	31,845	6.3	4.6	3.7	0.565	389	4,595,852	8.5
Esophagus	Female	1	31,204	3.2	2.4	0.6	0.925	69	4,552,493	1.5
Hodgkin Lymphoma	Total	1	63,049	1.6	1.2	0.2	0.392	24	9,148,345	0.3
Hodgkin Lymphoma	Male	1	31,845	3.1	2.3	0.1	0.230	13	4,595,852	0.3
Hodgkin Lymphoma	Female	-	31,204	-	-	0.1	1.000	11	4,552,493	0.2
Kidney	Total	5	63,049	7.9	5.8	3.6	0.589	381	9,148,345	4.2
Kidney	Male	4	31,845	12.6	9.1	2.3	0.408	242	4,595,852	5.3
Kidney	Female	1	31,204	3.2	2.3	1.3	1.000	139	4,552,493	3.1
Larynx	Total	-	63,049	-	-	0.7	0.990	76	9,148,345	0.8
Larynx	Male	-	31,845	-	-	0.6	1.000	65	4,595,852	1.4
Larynx	Female	-	31,204	-	-	0.1	1.000	11	4,552,493	0.2
Leukemia	Total	6	63,049	9.5	7.1	6.1	1.000	659	9,148,345	7.2
Leukemia	Male	4	31,845	12.6	9.2	3.7	1.000	393	4,595,852	8.6
Leukemia	Female	2	31,204	6.4	4.9	2.4	1.000	266	4,552,493	5.8
Liver and Bile Duct	Total	3	63,049	4.8	3.5	5.9	0.324	632	9,148,345	6.9
Liver and Bile Duct	Male	-	31,845	-	-	4.1	0.035 <<	423	4,595,852	9.2
Liver and Bile Duct	Female	3	31,204	9.6	7.3	1.9	0.585	209	4,552,493	4.6
Lung and Bronchus	Total	34	63,049	53.9	39.4	27.4	0.248	2,903	9,148,345	31.7
Lung and Bronchus	Male	23	31,845	72.2	51.4	14.8	0.057	1,518	4,595,852	33.0
Lung and Bronchus	Female	11	31,204	35.3	26.3	12.7	0.769	1,385	4,552,493	30.4
Melanoma of the Skin	Total	1	63,049	1.6	1.2	2.7	0.494	300	9,148,345	3.3
Melanoma of the Skin	Male	1	31,845	3.1	2.4	1.8	0.902	199	4,595,852	4.3
Melanoma of the Skin	Female	-	31,204	-	-	0.9	0.822	101	4,552,493	2.2
Myeloma	Total	2	63,049	3.2	2.3	3.1	0.819	323	9,148,345	3.5
Myeloma	Male	1	31,845	3.1	2.2	1.8	0.912	187	4,595,852	4.1
Myeloma	Female	1	31,204	3.2	2.4	1.2	1.000	136	4,552,493	3.0
Non-Hodgkin Lymphoma	Total	11	63,049	17.4	12.9	5.2	0.035 >>	557	9,148,345	6.1
Non-Hodgkin Lymphoma	Male	7	31,845	22.0	16.0	2.9	0.055	303	4,595,852	6.6
Non-Hodgkin Lymphoma	Female	4	31,204	12.8	9.5	2.4	0.422	254	4,552,493	5.6
Oral Cavity and Pharynx	Total	2	63,049	3.2	2.4	2.5	1.000	273	9,148,345	3.0
Oral Cavity and Pharynx	Male	1	31,845	3.1	2.3	1.8	0.913	191	4,595,852	4.2
Oral Cavity and Pharynx	Female	1	31,204	3.2	2.4	0.7	1.000	82	4,552,493	1.8
Ovary	Female	7	31,204	22.4	17.0	3.2	0.090	354	4,552,493	7.8
Pancreas	Total	4	63,049	6.3	4.7	11.1	0.028 <<	1,186	9,148,345	13.0
Pancreas	Male	4	31,845	12.6	9.0	6.2	0.514	646	4,595,852	14.1
Pancreas	Female	-	31,204	-	-	4.9	0.015 <<	540	4,552,493	11.9
Prostate	Male	16	31,845	50.2	35.9	9.5	0.068	981	4,595,852	21.3
Stomach	Total	3	63,049	4.8	3.7	1.7	0.487	191	9,148,345	2.1
Stomach	Male	1	31,845	3.1	2.4	1.1	1.000	118	4,595,852	2.6
Stomach	Female	2	31,204	6.4	5.1	0.6	0.259	73	4,552,493	1.6

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	Boundary County
<u>Access to Care</u>									
Have Health Insurance, Age < 65 (2021–2022)	90.0%	89.3%	87.8%	86.4%	92.6%	87.2%	89.1%	92.6%	.
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%	3.3%
<u>Cancer Screening</u>									
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%	45.8%
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%	.
<u>Tobacco Use</u>									
Current Tobacco User (2020–2022)	22.1%	24.3%	20.4%	24.8%	21.3%	22.5%	22.6%	18.1%	19.1%
<u>Other Cancer-Related</u>									
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%	27.5%
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%	79.4%
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%	21.0%
Home Ever Tested for Radon (2016, 2018, 2020)	22.9%	30.8%	18.3%	16.9%	25.2%	20.1%	23.0%	21.0%	17.1%

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).

** 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

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.

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.

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