

BONNEVILLE 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 2,771 cases of invasive cancer were diagnosed among Bonneville County residents (Table 1).

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

Cancer Incidence 2017–2021	Bonneville County	State of Idaho
All Sites/Types	2,771	47,333
Female Breast	398	6,943
Prostate	376	6,766
Lung & Bronchus	202	4,959
Colorectal	228	3,632

Table 3 (*Cancer Incidence 2017–2021, Comparison between Bonneville 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 Bonneville 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 Bonneville County was 461.3 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (531.0) gives an estimate of the relative burden of disease in Bonneville County.

The age- and sex-adjusted incidence rate of invasive cancer in Bonneville County, all sites combined, was 541.7 cases per 100,000 persons per year during 2017–2021. There were more cases of cancer in Bonneville County (2,771) than expected (2,716.5) 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 826 Bonneville 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 Bonneville County and the State of Idaho, 2018–2022

Mortality 2018–2022	Bonneville County	State of Idaho
All Deaths	5,101	80,538
Cancer Deaths	826	15,233
% of All Deaths	16.2%	18.9%
Lung & Bronchus	137	2,937
Colorectal	82	1,332
Pancreas	51	1,190
Female Breast	66	1,111
Prostate	49	997

Table 4 (*Cancer Mortality 2018–2022, Comparison between Bonneville 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 Bonneville 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 Bonneville County, all sites combined, was 160.1 deaths per 100,000 persons per year during 2018–2022, compared with 167.6 for the remainder of the state. There were fewer cancer deaths in Bonneville County (826) than expected (864.5) 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 BONNEVILLE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cancer Site/Type	Sex	Bonneville 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	2,771	600,734	461.3	541.7	2,716.5	0.301	44,562	8,391,372	531.0
All Sites Combined	Male	1,440	300,211	479.7	574.3	1,418.5	0.575	23,830	4,212,062	565.8
All Sites Combined	Female	1,331	300,523	442.9	511.7	1,290.3	0.263	20,732	4,179,310	496.1
Bladder	Total	132	600,734	22.0	26.3	124.7	0.537	2,088	8,391,372	24.9
Bladder	Male	103	300,211	34.3	41.9	97.4	0.596	1,670	4,212,062	39.6
Bladder	Female	29	300,523	9.6	11.4	25.5	0.534	418	4,179,310	10.0
Brain - malignant	Total	44	600,734	7.3	8.2	39.4	0.503	613	8,391,372	7.3
Brain - malignant	Male	24	300,211	8.0	9.0	22.7	0.832	358	4,212,062	8.5
Brain - malignant	Female	20	300,523	6.7	7.3	16.6	0.467	255	4,179,310	6.1
Brain and other CNS - non-malignant	Total	113	600,734	18.8	21.5	89.7	0.020 >>	1,434	8,391,372	17.1
Brain and other CNS - non-malignant	Male	33	300,211	11.0	12.5	29.2	0.523	467	4,212,062	11.1
Brain and other CNS - non-malignant	Female	80	300,523	26.6	30.4	61.0	0.022 >>	967	4,179,310	23.1
Breast	Total	400	600,734	66.6	77.7	405.6	0.808	6,608	8,391,372	78.7
Breast	Male	2	300,211	0.7	0.8	3.8	0.538	63	4,212,062	1.5
Breast	Female	398	300,523	132.4	153.7	405.5	0.735	6,545	4,179,310	156.6
Breast - in situ	Total	81	600,734	13.5	15.8	78.9	0.844	1,288	8,391,372	15.3
Breast - in situ	Male	-	300,211	-	-	0.3	1.000	4	4,212,062	0.1
Breast - in situ	Female	81	300,523	27.0	31.4	79.2	0.867	1,284	4,179,310	30.7
Cervix	Female	15	300,523	5.0	5.4	18.7	0.474	279	4,179,310	6.7
Colorectal	Total	228	600,734	38.0	44.4	208.5	0.191	3,404	8,391,372	40.6
Colorectal	Male	118	300,211	39.3	46.4	112.1	0.605	1,859	4,212,062	44.1
Colorectal	Female	110	300,523	36.6	42.3	96.2	0.180	1,545	4,179,310	37.0
Corpus Uteri	Female	100	300,523	33.3	39.0	77.0	0.013 >>	1,254	4,179,310	30.0
Esophagus	Total	22	600,734	3.7	4.4	29.1	0.214	485	8,391,372	5.8
Esophagus	Male	16	300,211	5.3	6.4	24.3	0.098	413	4,212,062	9.8
Esophagus	Female	6	300,523	2.0	2.4	4.4	0.556	72	4,179,310	1.7
Hodgkin Lymphoma	Total	10	600,734	1.7	1.8	14.2	0.331	212	8,391,372	2.5
Hodgkin Lymphoma	Male	9	300,211	3.0	3.3	7.9	0.776	120	4,212,062	2.8
Hodgkin Lymphoma	Female	1	300,523	0.3	0.4	6.3	0.027 <<	92	4,179,310	2.2
Kidney and Renal Pelvis	Total	124	600,734	20.6	24.1	111.8	0.270	1,827	8,391,372	21.8
Kidney and Renal Pelvis	Male	74	300,211	24.6	29.1	74.6	1.000	1,236	4,212,062	29.3
Kidney and Renal Pelvis	Female	50	300,523	16.6	19.2	36.8	0.044 >>	591	4,179,310	14.1
Larynx	Total	5	600,734	0.8	1.0	12.9	0.023 <<	215	8,391,372	2.6
Larynx	Male	4	300,211	1.3	1.6	9.7	0.072	163	4,212,062	3.9
Larynx	Female	1	300,523	0.3	0.4	3.2	0.355	52	4,179,310	1.2
Leukemia	Total	112	600,734	18.6	21.4	100.7	0.283	1,615	8,391,372	19.2
Leukemia	Male	71	300,211	23.7	27.5	59.2	0.146	965	4,212,062	22.9
Leukemia	Female	41	300,523	13.6	15.5	41.1	1.000	650	4,179,310	15.6
Liver and Bile Duct	Total	37	600,734	6.2	7.3	48.4	0.108	806	8,391,372	9.6
Liver and Bile Duct	Male	28	300,211	9.3	11.2	33.5	0.393	566	4,212,062	13.4
Liver and Bile Duct	Female	9	300,523	3.0	3.5	14.7	0.159	240	4,179,310	5.7
Lung and Bronchus	Total	202	600,734	33.6	40.5	282.9	0.000 <<	4,757	8,391,372	56.7
Lung and Bronchus	Male	101	300,211	33.6	41.3	139.0	0.001 <<	2,394	4,212,062	56.8
Lung and Bronchus	Female	101	300,523	33.6	39.8	143.4	0.000 <<	2,363	4,179,310	56.5
Melanoma of the Skin	Total	202	600,734	33.6	38.9	182.0	0.152	2,942	8,391,372	35.1
Melanoma of the Skin	Male	122	300,211	40.6	48.1	106.8	0.160	1,773	4,212,062	42.1
Melanoma of the Skin	Female	80	300,523	26.6	30.1	74.3	0.536	1,169	4,179,310	28.0
Myeloma	Total	48	600,734	8.0	9.5	40.7	0.291	680	8,391,372	8.1
Myeloma	Male	29	300,211	9.7	11.7	24.6	0.419	418	4,212,062	9.9
Myeloma	Female	19	300,523	6.3	7.5	16.0	0.511	262	4,179,310	6.3
Non-Hodgkin Lymphoma	Total	134	600,734	22.3	26.1	113.8	0.070	1,858	8,391,372	22.1
Non-Hodgkin Lymphoma	Male	72	300,211	24.0	28.3	65.0	0.414	1,074	4,212,062	25.5
Non-Hodgkin Lymphoma	Female	62	300,523	20.6	24.0	48.5	0.069	784	4,179,310	18.8
Oral Cavity and Pharynx	Total	69	600,734	11.5	13.6	75.4	0.506	1,246	8,391,372	14.8
Oral Cavity and Pharynx	Male	51	300,211	17.0	20.2	53.2	0.836	889	4,212,062	21.1
Oral Cavity and Pharynx	Female	18	300,523	6.0	7.0	22.0	0.471	357	4,179,310	8.5
Ovary	Female	27	300,523	9.0	10.4	32.8	0.354	526	4,179,310	12.6
Pancreas	Total	78	600,734	13.0	15.5	84.7	0.504	1,410	8,391,372	16.8
Pancreas	Male	39	300,211	13.0	15.7	46.4	0.311	787	4,212,062	18.7
Pancreas	Female	39	300,523	13.0	15.2	38.1	0.932	623	4,179,310	14.9
Prostate	Male	376	300,211	125.2	152.9	373.0	0.891	6,390	4,212,062	151.7
Stomach	Total	31	600,734	5.2	6.1	27.0	0.489	443	8,391,372	5.3
Stomach	Male	24	300,211	8.0	9.6	16.8	0.114	283	4,212,062	6.7
Stomach	Female	7	300,523	2.3	2.7	10.0	0.437	160	4,179,310	3.8
Testis	Male	20	300,211	6.7	6.7	17.9	0.680	254	4,212,062	6.0
Thyroid	Total	123	600,734	20.5	22.3	69.8	0.000 >>	1,062	8,391,372	12.7
Thyroid	Male	33	300,211	11.0	12.4	21.4	0.024 >>	339	4,212,062	8.0
Thyroid	Female	90	300,523	29.9	32.1	48.5	0.000 >>	723	4,179,310	17.3
Pediatric Age 0 to 19	Total	32	197,909	16.2	16.3	33.5	0.879	393	2,301,415	17.1
Pediatric Age 0 to 19	Male	20	100,908	19.8	19.8	16.7	0.482	194	1,173,413	16.5
Pediatric Age 0 to 19	Female	12	97,001	12.4	12.6	16.8	0.291	199	1,128,002	17.6

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 BONNEVILLE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cause of Death Cancer Site/Type	Sex	Bonneville 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	5,101	615,622	828.6	969.1	4,619.1	0.000 >>	75,434	8,595,772	877.6
All Causes of Death	Male	2,620	308,161	850.2	1,009.2	2,414.2	0.000 >>	40,166	4,319,536	929.9
All Causes of Death	Female	2,481	307,461	806.9	933.0	2,193.0	0.000 >>	35,268	4,276,236	824.7
All Malignant Cancers	Total	826	615,622	134.2	160.1	864.5	0.195	14,407	8,595,772	167.6
All Malignant Cancers	Male	436	308,161	141.5	172.2	457.1	0.335	7,799	4,319,536	180.6
All Malignant Cancers	Female	390	307,461	126.8	149.0	404.4	0.492	6,608	4,276,236	154.5
Bladder	Total	30	615,622	4.9	5.8	27.3	0.655	455	8,595,772	5.3
Bladder	Male	23	308,161	7.5	9.1	20.6	0.657	352	4,319,536	8.1
Bladder	Female	7	307,461	2.3	2.7	6.3	0.888	103	4,276,236	2.4
Brain and Other Nervous System	Total	35	615,622	5.7	6.6	29.8	0.383	483	8,595,772	5.6
Brain and Other Nervous System	Male	20	308,161	6.5	7.6	16.3	0.424	269	4,319,536	6.2
Brain and Other Nervous System	Female	15	307,461	4.9	5.6	13.4	0.726	214	4,276,236	5.0
Breast	Total	68	615,622	11.0	13.0	64.0	0.654	1,056	8,595,772	12.3
Breast	Male	2	308,161	0.6	0.8	0.7	0.280	11	4,319,536	0.3
Breast	Female	66	307,461	21.5	25.1	64.2	0.854	1,045	4,276,236	24.4
Cervix	Female	4	307,461	1.3	1.5	5.4	0.749	84	4,276,236	2.0
Colorectal	Total	82	615,622	13.3	15.8	75.6	0.494	1,250	8,595,772	14.5
Colorectal	Male	42	308,161	13.6	16.3	41.1	0.928	690	4,319,536	16.0
Colorectal	Female	40	307,461	13.0	15.2	34.5	0.386	560	4,276,236	13.1
Corpus Uteri	Female	8	307,461	2.6	3.1	9.7	0.741	161	4,276,236	3.8
Esophagus	Total	25	615,622	4.1	4.9	25.9	0.961	436	8,595,772	5.1
Esophagus	Male	21	308,161	6.8	8.3	21.6	1.000	370	4,319,536	8.6
Esophagus	Female	4	307,461	1.3	1.5	4.0	1.000	66	4,276,236	1.5
Hodgkin Lymphoma	Total	3	615,622	0.5	0.6	1.3	0.297	22	8,595,772	0.3
Hodgkin Lymphoma	Male	1	308,161	0.3	0.4	0.8	1.000	13	4,319,536	0.3
Hodgkin Lymphoma	Female	2	307,461	0.7	0.8	0.6	0.215	9	4,276,236	0.2
Kidney	Total	20	615,622	3.2	3.9	21.8	0.801	366	8,595,772	4.3
Kidney	Male	13	308,161	4.2	5.1	13.7	1.000	233	4,319,536	5.4
Kidney	Female	7	307,461	2.3	2.7	8.1	0.883	133	4,276,236	3.1
Larynx	Total	3	615,622	0.5	0.6	4.4	0.731	73	8,595,772	0.8
Larynx	Male	3	308,161	1.0	1.2	3.7	1.000	62	4,319,536	1.4
Larynx	Female	-	307,461	-	-	0.7	1.000	11	4,276,236	0.3
Leukemia	Total	35	615,622	5.7	6.7	38.2	0.681	630	8,595,772	7.3
Leukemia	Male	22	308,161	7.1	8.6	22.2	1.000	375	4,319,536	8.7
Leukemia	Female	13	307,461	4.2	4.9	15.8	0.586	255	4,276,236	6.0
Liver and Bile Duct	Total	31	615,622	5.0	6.1	35.9	0.466	604	8,595,772	7.0
Liver and Bile Duct	Male	15	308,161	4.9	5.9	23.9	0.072	408	4,319,536	9.4
Liver and Bile Duct	Female	16	307,461	5.2	6.2	11.9	0.295	196	4,276,236	4.6
Lung and Bronchus	Total	137	615,622	22.3	26.9	165.9	0.024 <<	2,800	8,595,772	32.6
Lung and Bronchus	Male	79	308,161	25.6	31.6	84.5	0.596	1,462	4,319,536	33.8
Lung and Bronchus	Female	58	307,461	18.9	22.4	81.0	0.009 <<	1,338	4,276,236	31.3
Melanoma of the Skin	Total	18	615,622	2.9	3.5	17.2	0.903	283	8,595,772	3.3
Melanoma of the Skin	Male	12	308,161	3.9	4.7	11.2	0.882	188	4,319,536	4.4
Melanoma of the Skin	Female	6	307,461	2.0	2.3	5.9	1.000	95	4,276,236	2.2
Myeloma	Total	22	615,622	3.6	4.3	18.0	0.407	303	8,595,772	3.5
Myeloma	Male	12	308,161	3.9	4.8	10.2	0.656	176	4,319,536	4.1
Myeloma	Female	10	307,461	3.3	3.8	7.7	0.504	127	4,276,236	3.0
Non-Hodgkin Lymphoma	Total	38	615,622	6.2	7.4	31.9	0.317	530	8,595,772	6.2
Non-Hodgkin Lymphoma	Male	17	308,161	5.5	6.7	17.2	1.000	293	4,319,536	6.8
Non-Hodgkin Lymphoma	Female	21	307,461	6.8	8.0	14.5	0.129	237	4,276,236	5.5
Oral Cavity and Pharynx	Total	13	615,622	2.1	2.5	15.6	0.615	262	8,595,772	3.0
Oral Cavity and Pharynx	Male	8	308,161	2.6	3.2	10.7	0.513	184	4,319,536	4.3
Oral Cavity and Pharynx	Female	5	307,461	1.6	1.9	4.7	1.000	78	4,276,236	1.8
Ovary	Female	25	307,461	8.1	9.6	20.4	0.358	336	4,276,236	7.9
Pancreas	Total	51	615,622	8.3	10.0	67.8	0.041 <<	1,139	8,595,772	13.3
Pancreas	Male	25	308,161	8.1	10.0	36.4	0.061	625	4,319,536	14.5
Pancreas	Female	26	307,461	8.5	10.0	31.2	0.401	514	4,276,236	12.0
Prostate	Male	49	308,161	15.9	19.4	55.3	0.437	948	4,319,536	21.9
Stomach	Total	8	615,622	1.3	1.5	11.4	0.401	186	8,595,772	2.2
Stomach	Male	8	308,161	2.6	3.1	6.6	0.672	111	4,319,536	2.6
Stomach	Female	-	307,461	-	-	4.7	0.018 <<	75	4,276,236	1.8

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	Bonneville 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%	93.9%
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%	12.2%
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%	63.0%
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%	68.4%
Colorectal Cancer Screening, Age 45–75 (2022)	63.3%	61.0%	62.5%	60.8%	67.2%	65.0%	60.4%	60.2%	64.3%
Tobacco Use									
Current Tobacco User (2020–2022)	22.1%	24.3%	20.4%	24.8%	21.3%	22.5%	22.6%	18.1%	21.7%
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%	28.4%
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%	79.0%
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%	21.9%

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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