

# SHOSHONE 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 496 cases of invasive cancer were diagnosed among Shoshone County residents (Table 1).

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

Cancer Incidence 2017–2021	Shoshone County	State of Idaho
All Sites/Types	496	47,333
Female Breast	44	6,943
Prostate	69	6,766
Lung & Bronchus	90	4,959
Colorectal	58	3,632

Table 3 (*Cancer Incidence 2017–2021, Comparison between Shoshone 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 Shoshone 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 Shoshone County was 766.3 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (524.6) gives an estimate of the relative burden of disease in Shoshone County.

The age- and sex-adjusted incidence rate of invasive cancer in Shoshone County, all sites combined, was 572.1 cases per 100,000 persons per year during 2017–2021. There were more cases of cancer in Shoshone County (496) than expected (454.8) 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 166 Shoshone 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 Shoshone County and the State of Idaho, 2018–2022

Mortality 2018–2022	Shoshone County	State of Idaho
All Deaths	1,009	80,538
Cancer Deaths	166	15,233
% of All Deaths	16.5%	18.9%
Lung & Bronchus	42	2,937
Colorectal	21	1,332
Pancreas	13	1,190
Female Breast	9	1,111
Prostate	15	997

Table 4 (*Cancer Mortality 2018–2022, Comparison between Shoshone 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 Shoshone 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 Shoshone County, all sites combined, was 181.7 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 Shoshone County (166) than expected (150.5) 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 SHOSHONE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO**

Cancer Site/Type	Sex	Shoshone 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	496	64,730	766.3	572.1	454.8	0.059	46,837	8,927,376	524.6
All Sites Combined	Male	308	32,653	943.3	689.5	248.9	0.000 >>	24,962	4,479,620	557.2
All Sites Combined	Female	188	32,077	586.1	448.5	206.2	0.216	21,875	4,447,756	491.8
Bladder	Total	17	64,730	26.3	18.6	22.5	0.285	2,203	8,927,376	24.7
Bladder	Male	14	32,653	42.9	30.5	18.0	0.417	1,759	4,479,620	39.3
Bladder	Female	3	32,077	9.4	6.7	4.5	0.692	444	4,447,756	10.0
Brain - malignant	Total	4	64,730	6.2	5.0	5.8	0.620	653	8,927,376	7.3
Brain - malignant	Male	3	32,653	9.2	7.5	3.4	1.000	379	4,479,620	8.5
Brain - malignant	Female	1	32,077	3.1	2.5	2.5	0.592	274	4,447,756	6.2
Brain and other CNS - non-malignant	Total	10	64,730	15.4	12.1	14.3	0.318	1,537	8,927,376	17.2
Brain and other CNS - non-malignant	Male	1	32,653	3.1	2.4	4.6	0.115	499	4,479,620	11.1
Brain and other CNS - non-malignant	Female	9	32,077	28.1	21.8	9.6	1.000	1,038	4,447,756	23.3
Breast	Total	45	64,730	69.5	53.4	65.7	0.009 <<	6,963	8,927,376	78.0
Breast	Male	1	32,653	3.1	2.3	0.6	0.931	64	4,479,620	1.4
Breast	Female	44	32,077	137.2	106.4	64.1	0.010 <<	6,899	4,447,756	155.1
Breast - in situ	Total	9	64,730	13.9	10.8	12.7	0.372	1,360	8,927,376	15.2
Breast - in situ	Male	-	32,653	-	-	0.0	1.000	4	4,479,620	0.1
Breast - in situ	Female	9	32,077	28.1	22.1	12.4	0.419	1,356	4,447,756	30.5
Cervix	Female	4	32,077	12.5	11.6	2.2	0.378	290	4,447,756	6.5
Colorectal	Total	58	64,730	89.6	67.4	34.4	0.000 >>	3,574	8,927,376	40.0
Colorectal	Male	40	32,653	122.5	92.1	18.8	0.000 >>	1,937	4,479,620	43.2
Colorectal	Female	18	32,077	56.1	42.2	15.7	0.627	1,637	4,447,756	36.8
Corpus Uteri	Female	14	32,077	43.6	33.5	12.6	0.766	1,340	4,447,756	30.1
Esophagus	Total	5	64,730	7.7	5.6	5.0	1.000	502	8,927,376	5.6
Esophagus	Male	5	32,653	15.3	11.0	4.3	0.860	424	4,479,620	9.5
Esophagus	Female	-	32,077	-	-	0.8	0.916	78	4,447,756	1.8
Hodgkin Lymphoma	Total	-	64,730	-	-	1.7	0.367	222	8,927,376	2.5
Hodgkin Lymphoma	Male	-	32,653	-	-	1.0	0.712	129	4,479,620	2.9
Hodgkin Lymphoma	Female	-	32,077	-	-	0.7	1.000	93	4,447,756	2.1
Kidney and Renal Pelvis	Total	15	64,730	23.2	17.4	18.6	0.477	1,936	8,927,376	21.7
Kidney and Renal Pelvis	Male	10	32,653	30.6	22.9	12.7	0.561	1,300	4,479,620	29.0
Kidney and Renal Pelvis	Female	5	32,077	15.6	11.8	6.0	0.879	636	4,447,756	14.3
Larynx	Total	5	64,730	7.7	5.6	2.2	0.137	215	8,927,376	2.4
Larynx	Male	4	32,653	12.3	8.8	1.7	0.173	163	4,479,620	3.6
Larynx	Female	1	32,077	3.1	2.3	0.5	0.792	52	4,447,756	1.2
Leukemia	Total	16	64,730	24.7	18.6	16.4	1.000	1,711	8,927,376	19.2
Leukemia	Male	12	32,653	36.8	27.8	9.9	0.579	1,024	4,479,620	22.9
Leukemia	Female	4	32,077	12.5	9.4	6.6	0.435	687	4,447,756	15.4
Liver and Bile Duct	Total	16	64,730	24.7	18.0	8.2	0.021 >>	827	8,927,376	9.3
Liver and Bile Duct	Male	12	32,653	36.8	26.4	5.9	0.036 >>	582	4,479,620	13.0
Liver and Bile Duct	Female	4	32,077	12.5	9.2	2.4	0.443	245	4,447,756	5.5
Lung and Bronchus	Total	90	64,730	139.0	98.5	49.8	0.000 >>	4,869	8,927,376	54.5
Lung and Bronchus	Male	52	32,653	159.3	112.2	25.3	0.000 >>	2,443	4,479,620	54.5
Lung and Bronchus	Female	38	32,077	118.5	84.4	24.5	0.014 >>	2,426	4,447,756	54.5
Melanoma of the Skin	Total	19	64,730	29.4	22.6	29.4	0.055	3,125	8,927,376	35.0
Melanoma of the Skin	Male	16	32,653	49.0	36.9	18.2	0.713	1,879	4,479,620	41.9
Melanoma of the Skin	Female	3	32,077	9.4	7.5	11.2	0.009 <<	1,246	4,447,756	28.0
Myeloma	Total	3	64,730	4.6	3.3	7.3	0.136	725	8,927,376	8.1
Myeloma	Male	-	32,653	-	-	4.5	0.022 <<	447	4,479,620	10.0
Myeloma	Female	3	32,077	9.4	6.8	2.8	1.000	278	4,447,756	6.3
Non-Hodgkin Lymphoma	Total	15	64,730	23.2	17.4	19.1	0.415	1,977	8,927,376	22.1
Non-Hodgkin Lymphoma	Male	7	32,653	21.4	16.1	11.1	0.278	1,139	4,479,620	25.4
Non-Hodgkin Lymphoma	Female	8	32,077	24.9	18.6	8.1	1.000	838	4,447,756	18.8
Oral Cavity and Pharynx	Total	20	64,730	30.9	22.9	12.7	0.070	1,295	8,927,376	14.5
Oral Cavity and Pharynx	Male	17	32,653	52.1	38.1	9.2	0.027 >>	923	4,479,620	20.6
Oral Cavity and Pharynx	Female	3	32,077	9.4	7.0	3.6	1.000	372	4,447,756	8.4
Ovary	Female	4	32,077	12.5	9.7	5.1	0.848	549	4,447,756	12.3
Pancreas	Total	17	64,730	26.3	18.9	14.8	0.633	1,471	8,927,376	16.5
Pancreas	Male	8	32,653	24.5	17.7	8.3	1.000	818	4,479,620	18.3
Pancreas	Female	9	32,077	28.1	20.3	6.5	0.420	653	4,447,756	14.7
Prostate	Male	69	32,653	211.3	148.5	69.5	1.000	6,697	4,479,620	149.5
Stomach	Total	3	64,730	4.6	3.4	4.6	0.646	471	8,927,376	5.3
Stomach	Male	3	32,653	9.2	6.7	3.0	1.000	304	4,479,620	6.8
Stomach	Female	-	32,077	-	-	1.6	0.402	167	4,447,756	3.8
Testis	Male	4	32,653	12.3	13.5	1.8	0.213	270	4,479,620	6.0
Thyroid	Total	8	64,730	12.4	11.1	9.5	0.791	1,177	8,927,376	13.2
Thyroid	Male	6	32,653	18.4	15.3	3.2	0.211	366	4,479,620	8.2
Thyroid	Female	2	32,077	6.2	5.9	6.2	0.107	811	4,447,756	18.2
Pediatric Age 0 to 19	Total	1	14,400	6.9	6.9	2.5	0.584	424	2,484,924	17.1
Pediatric Age 0 to 19	Male	1	7,417	13.5	13.3	1.3	1.000	213	1,266,904	16.8
Pediatric Age 0 to 19	Female	-	6,983	-	-	1.2	0.595	211	1,218,020	17.3

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 SHOSHONE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO**

Cause of Death Cancer Site/Type	Sex	Shoshone 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	1,009	66,231	1,523.5	1,125.7	779.5	0.000 >>	79,526	9,145,163	869.6
All Causes of Death	Male	561	33,464	1,676.4	1,305.9	394.8	0.000 >>	42,225	4,594,233	919.1
All Causes of Death	Female	448	32,767	1,367.2	953.8	385.0	0.002 >>	37,301	4,550,930	819.6
All Malignant Cancers	Total	166	66,231	250.6	181.7	150.5	0.224	15,067	9,145,163	164.8
All Malignant Cancers	Male	97	33,464	289.9	214.1	80.3	0.076	8,138	4,594,233	177.1
All Malignant Cancers	Female	69	32,767	210.6	151.2	69.5	1.000	6,929	4,550,930	152.3
Bladder	Total	3	66,231	4.5	3.2	4.9	0.551	482	9,145,163	5.3
Bladder	Male	3	33,464	9.0	6.8	3.6	1.000	372	4,594,233	8.1
Bladder	Female	-	32,767	-	-	1.2	0.627	110	4,550,930	2.4
Brain and Other Nervous System	Total	2	66,231	3.0	2.3	4.9	0.274	516	9,145,163	5.6
Brain and Other Nervous System	Male	1	33,464	3.0	2.3	2.7	0.484	288	4,594,233	6.3
Brain and Other Nervous System	Female	1	32,767	3.1	2.3	2.1	0.735	228	4,550,930	5.0
Breast	Total	10	66,231	15.1	11.2	10.9	0.952	1,114	9,145,163	12.2
Breast	Male	1	33,464	3.0	2.3	0.1	0.218	12	4,594,233	0.3
Breast	Female	9	32,767	27.5	20.0	10.9	0.707	1,102	4,550,930	24.2
Cervix	Female	-	32,767	-	-	0.7	0.950	88	4,550,930	1.9
Colorectal	Total	21	66,231	31.7	23.4	12.8	0.045 >>	1,311	9,145,163	14.3
Colorectal	Male	13	33,464	38.8	29.4	6.9	0.050	719	4,594,233	15.7
Colorectal	Female	8	32,767	24.4	17.5	5.9	0.498	592	4,550,930	13.0
Corpus Uteri	Female	1	32,767	3.1	2.2	1.7	1.000	168	4,550,930	3.7
Esophagus	Total	7	66,231	10.6	7.6	4.6	0.353	454	9,145,163	5.0
Esophagus	Male	7	33,464	20.9	15.1	3.9	0.196	384	4,594,233	8.4
Esophagus	Female	-	32,767	-	-	0.7	0.986	70	4,550,930	1.5
Hodgkin Lymphoma	Total	-	66,231	-	-	0.2	1.000	25	9,145,163	0.3
Hodgkin Lymphoma	Male	-	33,464	-	-	0.1	1.000	14	4,594,233	0.3
Hodgkin Lymphoma	Female	-	32,767	-	-	0.1	1.000	11	4,550,930	0.2
Kidney	Total	6	66,231	9.1	6.5	3.8	0.381	380	9,145,163	4.2
Kidney	Male	3	33,464	9.0	6.6	2.4	0.866	243	4,594,233	5.3
Kidney	Female	3	32,767	9.2	6.4	1.4	0.343	137	4,550,930	3.0
Larynx	Total	-	66,231	-	-	0.8	0.924	76	9,145,163	0.8
Larynx	Male	-	33,464	-	-	0.7	1.000	65	4,594,233	1.4
Larynx	Female	-	32,767	-	-	0.1	1.000	11	4,550,930	0.2
Leukemia	Total	4	66,231	6.0	4.4	6.6	0.428	661	9,145,163	7.2
Leukemia	Male	4	33,464	12.0	8.9	3.8	1.000	393	4,594,233	8.6
Leukemia	Female	-	32,767	-	-	2.7	0.134	268	4,550,930	5.9
Liver and Bile Duct	Total	6	66,231	9.1	6.6	6.3	1.000	629	9,145,163	6.9
Liver and Bile Duct	Male	4	33,464	12.0	8.6	4.2	1.000	419	4,594,233	9.1
Liver and Bile Duct	Female	2	32,767	6.1	4.4	2.1	1.000	210	4,550,930	4.6
Lung and Bronchus	Total	42	66,231	63.4	45.1	29.5	0.034 >>	2,895	9,145,163	31.7
Lung and Bronchus	Male	22	33,464	65.7	47.3	15.4	0.132	1,519	4,594,233	33.1
Lung and Bronchus	Female	20	32,767	61.0	43.1	14.0	0.156	1,376	4,550,930	30.2
Melanoma of the Skin	Total	5	66,231	7.5	5.6	2.9	0.335	296	9,145,163	3.2
Melanoma of the Skin	Male	2	33,464	6.0	4.5	1.9	1.000	198	4,594,233	4.3
Melanoma of the Skin	Female	3	32,767	9.2	6.8	1.0	0.144	98	4,550,930	2.2
Myeloma	Total	2	66,231	3.0	2.1	3.3	0.719	323	9,145,163	3.5
Myeloma	Male	-	33,464	-	-	1.9	0.306	188	4,594,233	4.1
Myeloma	Female	2	32,767	6.1	4.3	1.4	0.809	135	4,550,930	3.0
Non-Hodgkin Lymphoma	Total	4	66,231	6.0	4.3	5.7	0.656	564	9,145,163	6.2
Non-Hodgkin Lymphoma	Male	1	33,464	3.0	2.2	3.1	0.383	309	4,594,233	6.7
Non-Hodgkin Lymphoma	Female	3	32,767	9.2	6.3	2.7	0.991	255	4,550,930	5.6
Oral Cavity and Pharynx	Total	4	66,231	6.0	4.4	2.7	0.571	271	9,145,163	3.0
Oral Cavity and Pharynx	Male	4	33,464	12.0	8.7	1.9	0.244	188	4,594,233	4.1
Oral Cavity and Pharynx	Female	-	32,767	-	-	0.8	0.876	83	4,550,930	1.8
Ovary	Female	2	32,767	6.1	4.4	3.6	0.613	359	4,550,930	7.9
Pancreas	Total	13	66,231	19.6	14.1	11.8	0.812	1,177	9,145,163	12.9
Pancreas	Male	6	33,464	17.9	12.9	6.5	1.000	644	4,594,233	14.0
Pancreas	Female	7	32,767	21.4	15.3	5.4	0.581	533	4,550,930	11.7
Prostate	Male	15	33,464	44.8	33.6	9.5	0.122	982	4,594,233	21.4
Stomach	Total	1	66,231	1.5	1.1	1.9	0.890	193	9,145,163	2.1
Stomach	Male	1	33,464	3.0	2.2	1.1	1.000	118	4,594,233	2.6
Stomach	Female	-	32,767	-	-	0.7	0.989	75	4,550,930	1.6

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

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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	Shoshone County
<b>Access to Care</b>									
Have Health Insurance, Age < 65 (2021–2022)	90.0%	89.3%	87.8%	86.4%	92.6%	87.2%	89.1%	92.6%	95.9%
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%	9.8%
<b>Cancer Screening</b>									
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%	55.9%
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%	.
<b>Tobacco Use</b>									
Current Tobacco User (2020–2022)	22.1%	24.3%	20.4%	24.8%	21.3%	22.5%	22.6%	18.1%	24.0%
<b>Other Cancer-Related</b>									
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%	33.2%
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%	68.7%
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%	19.7%
Home Ever Tested for Radon (2016, 2018, 2020)	22.9%	30.8%	18.3%	16.9%	25.2%	20.1%	23.0%	21.0%	29.3%

#### 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 49<sup>th</sup> 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 49<sup>th</sup> 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 42<sup>nd</sup> 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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