

# FREMONT 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 319 cases of invasive cancer were diagnosed among Fremont County residents (Table 1).

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

Cancer Incidence 2017–2021	Fremont County	State of Idaho
All Sites/Types	319	47,333
Female Breast	49	6,943
Prostate	51	6,766
Lung & Bronchus	29	4,959
Colorectal	23	3,632

Table 3 (*Cancer Incidence 2017–2021, Comparison between Fremont 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 Fremont 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 Fremont County was 481.6 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (526.7) gives an estimate of the relative burden of disease in Fremont County.

The age- and sex-adjusted incidence rate of invasive cancer in Fremont County, all sites combined, was 452.7 cases per 100,000 persons per year during 2017–2021. There were statistically significantly fewer cases of cancer in Fremont County (319) than expected (371.1) based upon rates in the remainder of the state ( $p=.006$ ).

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 110 Fremont 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 Fremont County and the State of Idaho, 2018–2022

Mortality 2018–2022	Fremont County	State of Idaho
All Deaths	633	80,538
Cancer Deaths	110	15,233
% of All Deaths	17.4%	18.9%
Lung & Bronchus	20	2,937
Colorectal	11	1,332
Pancreas	14	1,190
Female Breast	8	1,111
Prostate	10	997

Table 4 (*Cancer Mortality 2018–2022, Comparison between Fremont 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 Fremont 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 Fremont County, all sites combined, was 154.2 deaths per 100,000 persons per year during 2018–2022, compared with 165.4 for the remainder of the state. There were fewer cancer deaths in Fremont County (110) than expected (118.0) 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 FREMONT COUNTY AND THE REMAINDER OF THE STATE OF IDAHO**

Cancer Site/Type	Sex	Fremont 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	319	66,231	481.6	452.7	371.1	0.006 <<	47,014	8,925,875	526.7
All Sites Combined	Male	172	34,685	495.9	452.1	213.3	0.004 <<	25,098	4,477,588	560.5
All Sites Combined	Female	147	31,546	466.0	449.3	161.2	0.280	21,916	4,448,287	492.7
Bladder	Total	13	66,231	19.6	18.2	17.6	0.325	2,207	8,925,875	24.7
Bladder	Male	10	34,685	28.8	25.8	15.3	0.213	1,763	4,477,588	39.4
Bladder	Female	3	31,546	9.5	9.1	3.3	1.000	444	4,448,287	10.0
Brain - malignant	Total	3	66,231	4.5	4.3	5.1	0.511	654	8,925,875	7.3
Brain - malignant	Male	1	34,685	2.9	2.7	3.1	0.357	381	4,477,588	8.5
Brain - malignant	Female	2	31,546	6.3	6.2	2.0	1.000	273	4,448,287	6.1
Brain and other CNS - non-malignant	Total	14	66,231	21.1	20.1	12.0	0.627	1,533	8,925,875	17.2
Brain and other CNS - non-malignant	Male	3	34,685	8.6	8.1	4.1	0.818	497	4,477,588	11.1
Brain and other CNS - non-malignant	Female	11	31,546	34.9	33.8	7.6	0.288	1,036	4,448,287	23.3
Breast	Total	49	66,231	74.0	69.9	54.6	0.496	6,959	8,925,875	78.0
Breast	Male	-	34,685	-	-	0.6	1.000	65	4,477,588	1.5
Breast	Female	49	31,546	155.3	149.3	50.9	0.866	6,894	4,448,287	155.0
Breast - in situ	Total	5	66,231	7.5	7.1	10.7	0.089	1,364	8,925,875	15.3
Breast - in situ	Male	-	34,685	-	-	0.0	1.000	4	4,477,588	0.1
Breast - in situ	Female	5	31,546	15.8	15.2	10.1	0.127	1,360	4,448,287	30.6
Cervix	Female	-	31,546	-	-	2.1	0.255	294	4,448,287	6.6
Colorectal	Total	23	66,231	34.7	32.7	28.5	0.355	3,609	8,925,875	40.4
Colorectal	Male	12	34,685	34.6	31.6	16.7	0.303	1,965	4,477,588	43.9
Colorectal	Female	11	31,546	34.9	33.8	12.0	0.917	1,644	4,448,287	37.0
Corpus Uteri	Female	13	31,546	41.2	39.5	9.9	0.401	1,341	4,448,287	30.1
Esophagus	Total	-	66,231	-	-	4.1	0.035 <<	507	8,925,875	5.7
Esophagus	Male	-	34,685	-	-	3.7	0.049 <<	429	4,477,588	9.6
Esophagus	Female	-	31,546	-	-	0.6	1.000	78	4,448,287	1.8
Hodgkin Lymphoma	Total	2	66,231	3.0	3.0	1.7	0.988	220	8,925,875	2.5
Hodgkin Lymphoma	Male	1	34,685	2.9	2.8	1.0	1.000	128	4,477,588	2.9
Hodgkin Lymphoma	Female	1	31,546	3.2	3.1	0.7	0.964	92	4,448,287	2.1
Kidney and Renal Pelvis	Total	8	66,231	12.1	11.4	15.3	0.063	1,943	8,925,875	21.8
Kidney and Renal Pelvis	Male	5	34,685	14.4	13.2	11.0	0.075	1,305	4,477,588	29.1
Kidney and Renal Pelvis	Female	3	31,546	9.5	9.1	4.7	0.614	638	4,448,287	14.3
Larynx	Total	2	66,231	3.0	2.8	1.7	1.000	218	8,925,875	2.4
Larynx	Male	2	34,685	5.8	5.2	1.4	0.834	165	4,477,588	3.7
Larynx	Female	-	31,546	-	-	0.4	1.000	53	4,448,287	1.2
Leukemia	Total	16	66,231	24.2	22.8	13.5	0.559	1,711	8,925,875	19.2
Leukemia	Male	9	34,685	25.9	23.8	8.7	1.000	1,027	4,477,588	22.9
Leukemia	Female	7	31,546	22.2	21.4	5.0	0.487	684	4,448,287	15.4
Liver and Bile Duct	Total	8	66,231	12.1	11.3	6.6	0.695	835	8,925,875	9.4
Liver and Bile Duct	Male	7	34,685	20.2	18.4	5.0	0.468	587	4,477,588	13.1
Liver and Bile Duct	Female	1	31,546	3.2	3.0	1.8	0.899	248	4,448,287	5.6
Lung and Bronchus	Total	29	66,231	43.8	40.5	39.5	0.101	4,930	8,925,875	55.2
Lung and Bronchus	Male	13	34,685	37.5	33.7	21.4	0.074	2,482	4,477,588	55.4
Lung and Bronchus	Female	16	31,546	50.7	48.0	18.3	0.693	2,448	4,448,287	55.0
Melanoma of the Skin	Total	20	66,231	30.2	28.7	24.4	0.435	3,124	8,925,875	35.0
Melanoma of the Skin	Male	16	34,685	46.1	42.2	15.9	1.000	1,879	4,477,588	42.0
Melanoma of the Skin	Female	4	31,546	12.7	12.4	9.0	0.108	1,245	4,448,287	28.0
Myeloma	Total	4	66,231	6.0	5.6	5.8	0.631	724	8,925,875	8.1
Myeloma	Male	3	34,685	8.6	7.8	3.8	0.938	444	4,477,588	9.9
Myeloma	Female	1	31,546	3.2	3.0	2.1	0.765	280	4,448,287	6.3
Non-Hodgkin Lymphoma	Total	13	66,231	19.6	18.4	15.6	0.612	1,979	8,925,875	22.2
Non-Hodgkin Lymphoma	Male	4	34,685	11.5	10.6	9.6	0.075	1,142	4,477,588	25.5
Non-Hodgkin Lymphoma	Female	9	31,546	28.5	27.5	6.2	0.340	837	4,448,287	18.8
Oral Cavity and Pharynx	Total	15	66,231	22.6	21.2	10.3	0.200	1,300	8,925,875	14.6
Oral Cavity and Pharynx	Male	13	34,685	37.5	34.2	7.9	0.115	927	4,477,588	20.7
Oral Cavity and Pharynx	Female	2	31,546	6.3	6.1	2.7	0.964	373	4,448,287	8.4
Ovary	Female	2	31,546	6.3	6.1	4.0	0.463	551	4,448,287	12.4
Pancreas	Total	14	66,231	21.1	19.7	11.7	0.578	1,474	8,925,875	16.5
Pancreas	Male	6	34,685	17.3	15.6	7.0	0.888	820	4,477,588	18.3
Pancreas	Female	8	31,546	25.4	24.3	4.8	0.235	654	4,448,287	14.7
Prostate	Male	51	34,685	147.0	134.1	57.1	0.469	6,715	4,477,588	150.0
Stomach	Total	1	66,231	1.5	1.4	3.7	0.227	473	8,925,875	5.3
Stomach	Male	-	34,685	-	-	2.6	0.145	307	4,477,588	6.9
Stomach	Female	1	31,546	3.2	3.1	1.2	1.000	166	4,448,287	3.7
Testis	Male	3	34,685	8.6	9.0	2.0	0.655	271	4,477,588	6.1
Thyroid	Total	7	66,231	10.6	10.4	8.9	0.678	1,178	8,925,875	13.2
Thyroid	Male	2	34,685	5.8	5.5	3.0	0.841	370	4,477,588	8.3
Thyroid	Female	5	31,546	15.8	15.9	5.7	0.987	808	4,448,287	18.2
Pediatric Age 0 to 19	Total	6	18,272	32.8	32.5	3.1	0.194	419	2,481,052	16.9
Pediatric Age 0 to 19	Male	5	9,508	52.6	52.4	1.6	0.045 >>	209	1,264,813	16.5
Pediatric Age 0 to 19	Female	1	8,764	11.4	11.3	1.5	1.000	210	1,216,239	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 FREMONT COUNTY AND THE REMAINDER OF THE STATE OF IDAHO**

Cause of Death Cancer Site/Type	Sex	Fremont 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	633	67,069	943.8	905.4	610.9	0.381	79,902	9,144,325	873.8
All Causes of Death	Male	348	35,244	987.4	894.7	359.4	0.568	42,438	4,592,453	924.1
All Causes of Death	Female	285	31,825	895.5	908.4	258.2	0.105	37,464	4,551,872	823.0
All Malignant Cancers	Total	110	67,069	164.0	154.2	118.0	0.497	15,123	9,144,325	165.4
All Malignant Cancers	Male	59	35,244	167.4	150.7	69.7	0.218	8,176	4,592,453	178.0
All Malignant Cancers	Female	51	31,825	160.3	155.8	50.0	0.921	6,947	4,551,872	152.6
Bladder	Total	6	67,069	8.9	8.5	3.7	0.336	479	9,144,325	5.2
Bladder	Male	5	35,244	14.2	12.6	3.2	0.439	370	4,592,453	8.1
Bladder	Female	1	31,825	3.1	3.1	0.8	1.000	109	4,551,872	2.4
Brain and Other Nervous System	Total	4	67,069	6.0	5.6	4.0	1.000	514	9,144,325	5.6
Brain and Other Nervous System	Male	2	35,244	5.7	5.2	2.4	1.000	287	4,592,453	6.2
Brain and Other Nervous System	Female	2	31,825	6.3	6.1	1.6	0.977	227	4,551,872	5.0
Breast	Total	8	67,069	11.9	11.3	8.6	1.000	1,116	9,144,325	12.2
Breast	Male	-	35,244	-	-	0.1	1.000	13	4,592,453	0.3
Breast	Female	8	31,825	25.1	24.7	7.9	1.000	1,103	4,551,872	24.2
Cervix	Female	1	31,825	3.1	3.1	0.6	0.921	87	4,551,872	1.9
Colorectal	Total	11	67,069	16.4	15.5	10.3	0.904	1,321	9,144,325	14.4
Colorectal	Male	7	35,244	19.9	17.9	6.2	0.842	725	4,592,453	15.8
Colorectal	Female	4	31,825	12.6	12.4	4.2	1.000	596	4,551,872	13.1
Corpus Uteri	Female	-	31,825	-	-	1.2	0.581	169	4,551,872	3.7
Esophagus	Total	1	67,069	1.5	1.4	3.6	0.247	460	9,144,325	5.0
Esophagus	Male	1	35,244	2.8	2.6	3.3	0.312	390	4,592,453	8.5
Esophagus	Female	-	31,825	-	-	0.5	1.000	70	4,551,872	1.5
Hodgkin Lymphoma	Total	-	67,069	-	-	0.2	1.000	25	9,144,325	0.3
Hodgkin Lymphoma	Male	-	35,244	-	-	0.1	1.000	14	4,592,453	0.3
Hodgkin Lymphoma	Female	-	31,825	-	-	0.1	1.000	11	4,551,872	0.2
Kidney	Total	2	67,069	3.0	2.8	3.0	0.850	384	9,144,325	4.2
Kidney	Male	2	35,244	5.7	5.1	2.1	1.000	244	4,592,453	5.3
Kidney	Female	-	31,825	-	-	1.0	0.733	140	4,551,872	3.1
Larynx	Total	1	67,069	1.5	1.4	0.6	0.893	75	9,144,325	0.8
Larynx	Male	1	35,244	2.8	2.5	0.6	0.850	64	4,592,453	1.4
Larynx	Female	-	31,825	-	-	0.1	1.000	11	4,551,872	0.2
Leukemia	Total	5	67,069	7.5	7.0	5.1	1.000	660	9,144,325	7.2
Leukemia	Male	3	35,244	8.5	7.7	3.4	1.000	394	4,592,453	8.6
Leukemia	Female	2	31,825	6.3	6.1	1.9	1.000	266	4,551,872	5.8
Liver and Bile Duct	Total	5	67,069	7.5	7.0	4.9	1.000	630	9,144,325	6.9
Liver and Bile Duct	Male	3	35,244	8.5	7.7	3.5	1.000	420	4,592,453	9.1
Liver and Bile Duct	Female	2	31,825	6.3	6.0	1.5	0.909	210	4,551,872	4.6
Lung and Bronchus	Total	20	67,069	29.8	27.8	23.0	0.625	2,917	9,144,325	31.9
Lung and Bronchus	Male	7	35,244	19.9	17.9	13.1	0.105	1,534	4,592,453	33.4
Lung and Bronchus	Female	13	31,825	40.8	39.1	10.1	0.435	1,383	4,551,872	30.4
Melanoma of the Skin	Total	2	67,069	3.0	2.8	2.3	1.000	299	9,144,325	3.3
Melanoma of the Skin	Male	1	35,244	2.8	2.6	1.7	0.990	199	4,592,453	4.3
Melanoma of the Skin	Female	1	31,825	3.1	3.1	0.7	1.000	100	4,551,872	2.2
Myeloma	Total	2	67,069	3.0	2.8	2.5	1.000	323	9,144,325	3.5
Myeloma	Male	1	35,244	2.8	2.5	1.6	1.000	187	4,592,453	4.1
Myeloma	Female	1	31,825	3.1	3.0	1.0	1.000	136	4,551,872	3.0
Non-Hodgkin Lymphoma	Total	7	67,069	10.4	9.8	4.4	0.311	561	9,144,325	6.1
Non-Hodgkin Lymphoma	Male	2	35,244	5.7	5.1	2.6	1.000	308	4,592,453	6.7
Non-Hodgkin Lymphoma	Female	5	31,825	15.7	15.5	1.8	0.072	253	4,551,872	5.6
Oral Cavity and Pharynx	Total	1	67,069	1.5	1.4	2.1	0.735	274	9,144,325	3.0
Oral Cavity and Pharynx	Male	1	35,244	2.8	2.6	1.6	1.000	191	4,592,453	4.2
Oral Cavity and Pharynx	Female	-	31,825	-	-	0.6	1.000	83	4,551,872	1.8
Ovary	Female	3	31,825	9.4	9.1	2.6	0.965	358	4,551,872	7.9
Pancreas	Total	14	67,069	20.9	19.5	9.2	0.171	1,176	9,144,325	12.9
Pancreas	Male	8	35,244	22.7	20.6	5.4	0.365	642	4,592,453	14.0
Pancreas	Female	6	31,825	18.9	18.1	3.9	0.393	534	4,551,872	11.7
Prostate	Male	10	35,244	28.4	25.2	8.5	0.702	987	4,592,453	21.5
Stomach	Total	-	67,069	-	-	1.5	0.444	194	9,144,325	2.1
Stomach	Male	-	35,244	-	-	1.0	0.721	119	4,592,453	2.6
Stomach	Female	-	31,825	-	-	0.5	1.000	75	4,551,872	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	Fremont 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%	83.5%
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%	12.0%
<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%	44.4%
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%	24.9%
<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%	31.9%
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%	80.3%
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%	14.2%
Home Ever Tested for Radon (2016, 2018, 2020)	22.9%	30.8%	18.3%	16.9%	25.2%	20.1%	23.0%	21.0%	14.6%

#### 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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