

# BINGHAM 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 1,094 cases of invasive cancer were diagnosed among Bingham County residents (Table 1).

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

Cancer Incidence 2017–2021	Bingham County	State of Idaho
All Sites/Types	1,094	47,333
Female Breast	136	6,943
Prostate	135	6,766
Lung & Bronchus	100	4,959
Colorectal	103	3,632

Table 3 (*Cancer Incidence 2017–2021, Comparison between Bingham 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 Bingham 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 Bingham County was 465.9 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (528.0) gives an estimate of the relative burden of disease in Bingham County.

The age- and sex-adjusted incidence rate of invasive cancer in Bingham County, all sites combined, was 511.1 cases per 100,000 persons per year during 2017–2021. There were fewer cases of cancer in Bingham County (1,094) than expected (1,130.3) 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 362 Bingham 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 Bingham County and the State of Idaho, 2018–2022

Mortality 2018–2022	Bingham County	State of Idaho
All Deaths	2,238	80,538
Cancer Deaths	362	15,233
% of All Deaths	16.2%	18.9%
Lung & Bronchus	65	2,937
Colorectal	39	1,332
Pancreas	20	1,190
Female Breast	30	1,111
Prostate	28	997

Table 4 (*Cancer Mortality 2018–2022, Comparison between Bingham 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 Bingham 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 Bingham County, all sites combined, was 168.0 deaths per 100,000 persons per year during 2018–2022, compared with 165.7 for the remainder of the state. There were more cancer deaths in Bingham County (362) than expected (357.1) 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 BINGHAM COUNTY AND THE REMAINDER OF THE STATE OF IDAHO**

Cancer Site/Type	Sex	Bingham 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	1,094	234,814	465.9	511.1	1,130.3	0.287	46,239	8,757,292	528.0
All Sites Combined	Male	591	117,663	502.3	542.5	611.8	0.413	24,679	4,394,610	561.6
All Sites Combined	Female	503	117,151	429.4	475.8	522.5	0.408	21,560	4,362,682	494.2
Bladder	Total	49	234,814	20.9	23.2	52.5	0.696	2,171	8,757,292	24.8
Bladder	Male	42	117,663	35.7	38.7	42.7	0.995	1,731	4,394,610	39.4
Bladder	Female	7	117,151	6.0	6.7	10.5	0.360	440	4,362,682	10.1
Brain - malignant	Total	11	234,814	4.7	5.0	16.3	0.223	646	8,757,292	7.4
Brain - malignant	Male	4	117,663	3.4	3.6	9.6	0.076	378	4,394,610	8.6
Brain - malignant	Female	7	117,151	6.0	6.4	6.8	1.000	268	4,362,682	6.1
Brain and other CNS - non-malignant	Total	38	234,814	16.2	17.6	37.3	0.950	1,509	8,757,292	17.2
Brain and other CNS - non-malignant	Male	9	117,663	7.6	8.1	12.4	0.426	491	4,394,610	11.2
Brain and other CNS - non-malignant	Female	29	117,151	24.8	27.3	24.8	0.449	1,018	4,362,682	23.3
Breast	Total	136	234,814	57.9	63.4	168.3	0.012 <<	6,872	8,757,292	78.5
Breast	Male	-	117,663	-	-	1.6	0.398	65	4,394,610	1.5
Breast	Female	136	117,151	116.1	128.7	164.9	0.023 <<	6,807	4,362,682	156.0
Breast - in situ	Total	23	234,814	9.8	10.7	33.0	0.087	1,346	8,757,292	15.4
Breast - in situ	Male	-	117,663	-	-	0.1	1.000	4	4,394,610	0.1
Breast - in situ	Female	23	117,151	19.6	21.7	32.6	0.101	1,342	4,362,682	30.8
Cervix	Female	10	117,151	8.5	9.1	7.2	0.378	284	4,362,682	6.5
Colorectal	Total	103	234,814	43.9	48.0	86.5	0.092	3,529	8,757,292	40.3
Colorectal	Male	62	117,663	52.7	56.7	47.6	0.052	1,915	4,394,610	43.6
Colorectal	Female	41	117,151	35.0	38.8	39.1	0.799	1,614	4,362,682	37.0
Corpus Uteri	Female	38	117,151	32.4	35.9	31.9	0.323	1,316	4,362,682	30.2
Esophagus	Total	11	234,814	4.7	5.1	12.1	0.899	496	8,757,292	5.7
Esophagus	Male	9	117,663	7.6	8.2	10.5	0.805	420	4,394,610	9.6
Esophagus	Female	2	117,151	1.7	1.9	1.8	1.000	76	4,362,682	1.7
Hodgkin Lymphoma	Total	3	234,814	1.3	1.3	5.6	0.387	219	8,757,292	2.5
Hodgkin Lymphoma	Male	1	117,663	0.8	0.9	3.2	0.330	128	4,394,610	2.9
Hodgkin Lymphoma	Female	2	117,151	1.7	1.8	2.3	1.000	91	4,362,682	2.1
Kidney and Renal Pelvis	Total	57	234,814	24.3	26.6	46.3	0.143	1,894	8,757,292	21.6
Kidney and Renal Pelvis	Male	33	117,663	28.0	30.2	31.7	0.865	1,277	4,394,610	29.1
Kidney and Renal Pelvis	Female	24	117,151	20.5	22.8	14.9	0.037 >>	617	4,362,682	14.1
Larynx	Total	2	234,814	0.9	0.9	5.3	0.199	218	8,757,292	2.5
Larynx	Male	2	117,663	1.7	1.8	4.1	0.444	165	4,394,610	3.8
Larynx	Female	-	117,151	-	-	1.3	0.560	53	4,362,682	1.2
Leukemia	Total	54	234,814	23.0	24.9	41.4	0.068	1,673	8,757,292	19.1
Leukemia	Male	28	117,663	23.8	25.4	25.3	0.647	1,008	4,394,610	22.9
Leukemia	Female	26	117,151	22.2	24.4	16.2	0.030 >>	665	4,362,682	15.2
Liver and Bile Duct	Total	21	234,814	8.9	9.8	20.0	0.890	822	8,757,292	9.4
Liver and Bile Duct	Male	15	117,663	12.7	13.8	14.4	0.934	579	4,394,610	13.2
Liver and Bile Duct	Female	6	117,151	5.1	5.7	5.9	1.000	243	4,362,682	5.6
Lung and Bronchus	Total	100	234,814	42.6	47.3	117.3	0.115	4,859	8,757,292	55.5
Lung and Bronchus	Male	60	117,663	51.0	55.5	59.9	1.000	2,435	4,394,610	55.4
Lung and Bronchus	Female	40	117,151	34.1	38.6	57.6	0.019 <<	2,424	4,362,682	55.6
Melanoma of the Skin	Total	56	234,814	23.8	26.1	75.7	0.022 <<	3,088	8,757,292	35.3
Melanoma of the Skin	Male	41	117,663	34.8	37.6	46.0	0.517	1,854	4,394,610	42.2
Melanoma of the Skin	Female	15	117,151	12.8	14.0	30.2	0.003 <<	1,234	4,362,682	28.3
Myeloma	Total	15	234,814	6.4	7.1	17.3	0.690	713	8,757,292	8.1
Myeloma	Male	9	117,663	7.6	8.3	10.8	0.716	438	4,394,610	10.0
Myeloma	Female	6	117,151	5.1	5.8	6.6	1.000	275	4,362,682	6.3
Non-Hodgkin Lymphoma	Total	55	234,814	23.4	25.6	47.5	0.310	1,937	8,757,292	22.1
Non-Hodgkin Lymphoma	Male	28	117,663	23.8	25.6	27.9	1.000	1,118	4,394,610	25.4
Non-Hodgkin Lymphoma	Female	27	117,151	23.0	25.6	19.8	0.140	819	4,362,682	18.8
Oral Cavity and Pharynx	Total	24	234,814	10.2	11.2	31.6	0.197	1,291	8,757,292	14.7
Oral Cavity and Pharynx	Male	17	117,663	14.4	15.5	23.0	0.245	923	4,394,610	21.0
Oral Cavity and Pharynx	Female	7	117,151	6.0	6.7	8.9	0.678	368	4,362,682	8.4
Ovary	Female	16	117,151	13.7	15.1	13.1	0.488	537	4,362,682	12.3
Pancreas	Total	28	234,814	11.9	13.2	35.4	0.239	1,460	8,757,292	16.7
Pancreas	Male	18	117,663	15.3	16.6	20.0	0.768	808	4,394,610	18.4
Pancreas	Female	10	117,151	8.5	9.6	15.6	0.186	652	4,362,682	14.9
Prostate	Male	135	117,663	114.7	124.6	163.5	0.025 <<	6,631	4,394,610	150.9
Stomach	Total	13	234,814	5.5	6.1	11.2	0.676	461	8,757,292	5.3
Stomach	Male	8	117,663	6.8	7.3	7.4	0.924	299	4,394,610	6.8
Stomach	Female	5	117,151	4.3	4.7	3.9	0.713	162	4,362,682	3.7
Testis	Male	6	117,663	5.1	5.5	6.7	1.000	268	4,394,610	6.1
Thyroid	Total	58	234,814	24.7	26.5	28.1	0.000 >>	1,127	8,757,292	12.9
Thyroid	Male	19	117,663	16.1	17.4	8.8	0.004 >>	353	4,394,610	8.0
Thyroid	Female	39	117,151	33.3	35.6	19.4	0.000 >>	774	4,362,682	17.7
Pediatric Age 0 to 19	Total	15	77,578	19.3	19.6	13.0	0.644	410	2,421,746	16.9
Pediatric Age 0 to 19	Male	7	39,475	17.7	17.8	6.6	0.972	207	1,234,846	16.8
Pediatric Age 0 to 19	Female	8	38,103	21.0	21.5	6.4	0.617	203	1,186,900	17.1

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

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

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

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

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

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

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

Cause of Death Cancer Site/Type	Sex	Bingham 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	2,238	238,849	937.0	1,030.6	1,894.9	0.000 >>	78,297	8,972,545	872.6
All Causes of Death	Male	1,208	119,875	1,007.7	1,086.9	1,025.1	0.000 >>	41,578	4,507,822	922.4
All Causes of Death	Female	1,030	118,974	865.7	969.5	873.7	0.000 >>	36,719	4,464,723	822.4
All Malignant Cancers	Total	362	238,849	151.6	168.0	357.1	0.808	14,871	8,972,545	165.7
All Malignant Cancers	Male	194	119,875	161.8	175.8	196.8	0.879	8,041	4,507,822	178.4
All Malignant Cancers	Female	168	118,974	141.2	159.2	161.5	0.628	6,830	4,464,723	153.0
Bladder	Total	15	238,849	6.3	7.0	11.3	0.330	470	8,972,545	5.2
Bladder	Male	11	119,875	9.2	9.9	8.9	0.574	364	4,507,822	8.1
Bladder	Female	4	118,974	3.4	3.8	2.5	0.477	106	4,464,723	2.4
Brain and Other Nervous System	Total	8	238,849	3.3	3.6	12.5	0.251	510	8,972,545	5.7
Brain and Other Nervous System	Male	4	119,875	3.3	3.6	7.1	0.331	285	4,507,822	6.3
Brain and Other Nervous System	Female	4	118,974	3.4	3.7	5.4	0.733	225	4,464,723	5.0
Breast	Total	30	238,849	12.6	13.8	26.4	0.535	1,094	8,972,545	12.2
Breast	Male	-	119,875	-	-	0.3	1.000	13	4,507,822	0.3
Breast	Female	30	118,974	25.2	28.2	25.7	0.448	1,081	4,464,723	24.2
Cervix	Female	5	118,974	4.2	4.5	2.0	0.114	83	4,464,723	1.9
Colorectal	Total	39	238,849	16.3	18.0	31.3	0.202	1,293	8,972,545	14.4
Colorectal	Male	23	119,875	19.2	20.7	17.5	0.236	709	4,507,822	15.7
Colorectal	Female	16	118,974	13.4	15.1	13.9	0.638	584	4,464,723	13.1
Corpus Uteri	Female	5	118,974	4.2	4.8	3.9	0.687	164	4,464,723	3.7
Esophagus	Total	10	238,849	4.2	4.6	10.8	0.963	451	8,972,545	5.0
Esophagus	Male	9	119,875	7.5	8.2	9.4	1.000	382	4,507,822	8.5
Esophagus	Female	1	118,974	0.8	1.0	1.6	1.000	69	4,464,723	1.5
Hodgkin Lymphoma	Total	-	238,849	-	-	0.6	1.000	25	8,972,545	0.3
Hodgkin Lymphoma	Male	-	119,875	-	-	0.3	1.000	14	4,507,822	0.3
Hodgkin Lymphoma	Female	-	118,974	-	-	0.3	1.000	11	4,464,723	0.2
Kidney	Total	12	238,849	5.0	5.6	9.0	0.385	374	8,972,545	4.2
Kidney	Male	9	119,875	7.5	8.2	5.8	0.264	237	4,507,822	5.3
Kidney	Female	3	118,974	2.5	2.9	3.2	1.000	137	4,464,723	3.1
Larynx	Total	-	238,849	-	-	1.8	0.319	76	8,972,545	0.8
Larynx	Male	-	119,875	-	-	1.6	0.402	65	4,507,822	1.4
Larynx	Female	-	118,974	-	-	0.3	1.000	11	4,464,723	0.2
Leukemia	Total	18	238,849	7.5	8.4	15.5	0.597	647	8,972,545	7.2
Leukemia	Male	8	119,875	6.7	7.2	9.5	0.774	389	4,507,822	8.6
Leukemia	Female	10	118,974	8.4	9.5	6.1	0.180	258	4,464,723	5.8
Liver and Bile Duct	Total	13	238,849	5.4	6.0	14.9	0.740	622	8,972,545	6.9
Liver and Bile Duct	Male	8	119,875	6.7	7.3	10.1	0.633	415	4,507,822	9.2
Liver and Bile Duct	Female	5	118,974	4.2	4.7	4.9	1.000	207	4,464,723	4.6
Lung and Bronchus	Total	65	238,849	27.2	30.4	68.5	0.734	2,872	8,972,545	32.0
Lung and Bronchus	Male	42	119,875	35.0	38.3	36.5	0.398	1,499	4,507,822	33.3
Lung and Bronchus	Female	23	118,974	19.3	22.0	32.1	0.117	1,373	4,464,723	30.8
Melanoma of the Skin	Total	1	238,849	0.4	0.5	7.3	0.012 <<	300	8,972,545	3.3
Melanoma of the Skin	Male	-	119,875	-	-	4.9	0.015 <<	200	4,507,822	4.4
Melanoma of the Skin	Female	1	118,974	0.8	0.9	2.4	0.618	100	4,464,723	2.2
Myeloma	Total	9	238,849	3.8	4.2	7.5	0.682	316	8,972,545	3.5
Myeloma	Male	6	119,875	5.0	5.5	4.4	0.569	182	4,507,822	4.0
Myeloma	Female	3	118,974	2.5	2.9	3.1	1.000	134	4,464,723	3.0
Non-Hodgkin Lymphoma	Total	13	238,849	5.4	6.0	13.3	1.000	555	8,972,545	6.2
Non-Hodgkin Lymphoma	Male	4	119,875	3.3	3.6	7.5	0.264	306	4,507,822	6.8
Non-Hodgkin Lymphoma	Female	9	118,974	7.6	8.6	5.8	0.273	249	4,464,723	5.6
Oral Cavity and Pharynx	Total	6	238,849	2.5	2.8	6.4	1.000	269	8,972,545	3.0
Oral Cavity and Pharynx	Male	4	119,875	3.3	3.6	4.6	1.000	188	4,507,822	4.2
Oral Cavity and Pharynx	Female	2	118,974	1.7	1.9	1.9	1.000	81	4,464,723	1.8
Ovary	Female	16	118,974	13.4	15.2	8.1	0.019 >>	345	4,464,723	7.7
Pancreas	Total	20	238,849	8.4	9.3	27.9	0.148	1,170	8,972,545	13.0
Pancreas	Male	13	119,875	10.8	11.9	15.5	0.637	637	4,507,822	14.1
Pancreas	Female	7	118,974	5.9	6.7	12.5	0.137	533	4,464,723	11.9
Prostate	Male	28	119,875	23.4	25.4	23.7	0.429	969	4,507,822	21.5
Stomach	Total	5	238,849	2.1	2.3	4.6	0.967	189	8,972,545	2.1
Stomach	Male	4	119,875	3.3	3.6	2.8	0.628	115	4,507,822	2.6
Stomach	Female	1	118,974	0.8	0.9	1.8	0.932	74	4,464,723	1.7

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

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

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

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

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

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

Mortality statistics presented differ from BVRHS official statistics due to differences in methodology.

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

## Cancer Screening and Risk Factors

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

### Cancer Screening and Risk Factor Prevalence Estimates, 2011–2022

Measure	State of Idaho	HD 1	HD 2	HD 3	HD 4	HD 5	HD 6	HD 7	Bingham 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%	89.7%
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%	8.2%
<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%	57.6%
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%	50.6%
Colorectal Cancer Screening, Age 45–75 (2022)	63.3%	61.0%	62.5%	60.8%	67.2%	65.0%	60.4%	60.2%	60.5%
<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%	21.6%
<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%	20.2%
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%	76.2%
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%	18.9%
Home Ever Tested for Radon (2016, 2018, 2020)	22.9%	30.8%	18.3%	16.9%	25.2%	20.1%	23.0%	21.0%	24.1%

#### 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 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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