KOOTENAI 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 5,199 cases of invasive cancer were diagnosed among Kootenai County residents (Table 1).

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

Cancer Incidence 2017–2021	Kootenai County	State of Idaho
All Sites/Types	**5,199**	**47,333**
Female Breast	**744**	**6,943**
Prostate	**704**	**6,766**
Lung & Bronchus	**636**	**4,959**
Colorectal	**398**	**3,632**

Table 3 (*Cancer Incidence 2017–2021, Comparison between Kootenai 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 Kootenai 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 Kootenai County was 622.4 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (516.6) gives an estimate of the relative burden of disease in Kootenai County.

The age- and sex-adjusted incidence rate of invasive cancer in Kootenai County, all sites combined, was 537.5 cases per 100,000 persons per year during 2017–2021. There were statistically significantly more cases of cancer in Kootenai County (5,199) than expected (4,996.4) based upon rates in the remainder of the state (p=.004).

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 1,788 Kootenai 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 Kootenai County and the State of Idaho, 2018–2022

Mortality 2018–2022	Kootenai County	State of Idaho
All Deaths	**8,689**	**80,538**
Cancer Deaths	**1,788**	**15,233**
% of All Deaths	*20.6%*	*18.9%*
Lung & Bronchus	**382**	**2,937**
Colorectal	**145**	**1,332**
Pancreas	**140**	**1,190**
Female Breast	**125**	**1,111**
Prostate	**118**	**997**

Table 4 (*Cancer Mortality 2018–2022, Comparison between Kootenai 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 Kootenai 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 Kootenai County, all sites combined, was 176.9 deaths per 100,000 persons per year during 2018–2022, compared with 161.0 for the remainder of the state. There were statistically significantly more cancer deaths in Kootenai County (1,788) than expected (1,627.4) based upon rates in the remainder of the state (p<.001).

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 KOOTENAI COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cancer Site/Type	Sex	Kootenai 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	5,199	835,303	622.4	537.5	4,996.4	0.004 >>	42,134	8,156,803	516.6
All Sites Combined	Male	2,757	413,914	666.1	574.1	2,637.9	0.022 >>	22,513	4,098,359	549.3
All Sites Combined	Female	2,442	421,389	579.5	502.8	2,348.3	0.056	19,621	4,058,444	483.5
Bladder	Total	254	835,303	30.4	25.6	239.0	0.348	1,966	8,156,803	24.1
Bladder	Male	194	413,914	46.9	39.6	188.8	0.725	1,579	4,098,359	38.5
Bladder	Female	60	421,389	14.2	12.0	47.6	0.092	387	4,058,444	9.5
Brain - malignant	Total	61	835,303	7.3	6.6	67.6	0.466	596	8,156,803	7.3
Brain - malignant	Male	40	413,914	9.7	8.8	38.0	0.786	342	4,098,359	8.3
Brain - malignant	Female	21	421,389	5.0	4.5	29.4	0.136	254	4,058,444	6.3
Brain and other CNS - non-malignant	Total	149	835,303	17.8	15.8	162.1	0.322	1,398	8,156,803	17.1
Brain and other CNS - non-malignant	Male	52	413,914	12.6	11.2	50.6	0.877	448	4,098,359	10.9
Brain and other CNS - non-malignant	Female	97	421,389	23.0	20.2	112.6	0.149	950	4,058,444	23.4
Breast	Total	751	835,303	89.9	78.5	734.0	0.539	6,257	8,156,803	76.7
Breast	Male	7	413,914	1.7	1.5	6.8	1.000	58	4,098,359	1.4
Breast	Female	744	421,389	176.6	153.2	741.8	0.945	6,199	4,058,444	152.7
Breast - in situ	Total	145	835,303	17.4	15.2	143.0	0.892	1,224	8,156,803	15.0
Breast - in situ	Male	1	413,914	0.2	0.2	0.3	0.566	3	4,098,359	0.1
Breast - in situ	Female	144	421,389	34.2	29.7	145.8	0.924	1,221	4,058,444	30.1
Cervix	Female	32	421,389	7.6	7.1	28.9	0.616	262	4,058,444	6.5
Colorectal	Total	398	835,303	47.6	41.4	381.5	0.411	3,234	8,156,803	39.6
Colorectal	Male	210	413,914	50.7	44.2	204.7	0.729	1,767	4,098,359	43.1
Colorectal	Female	188	421,389	44.6	38.7	175.8	0.374	1,467	4,058,444	36.1
Corpus Uteri	Female	156	421,389	37.0	31.9	144.2	0.347	1,198	4,058,444	29.5
Esophagus	Total	43	835,303	5.1	4.4	55.8	0.091	464	8,156,803	5.7
Esophagus	Male	38	413,914	9.2	7.9	46.2	0.256	391	4,098,359	9.5
Esophagus	Female	5	421,389	1.2	1.0	8.9	0.243	73	4,058,444	1.8
Hodgkin Lymphoma	Total	20	835,303	2.4	2.3	21.2	0.914	202	8,156,803	2.5
Hodgkin Lymphoma	Male	14	413,914	3.4	3.2	12.1	0.658	115	4,098,359	2.8
Hodgkin Lymphoma	Female	6	421,389	1.4	1.4	8.9	0.426	87	4,058,444	2.1
Kidney and Renal Pelvis	Total	236	835,303	28.3	24.5	202.7	0.024 >>	1,715	8,156,803	21.0
Kidney and Renal Pelvis	Male	163	413,914	39.4	34.3	133.0	0.013 >>	1,147	4,098,359	28.0
Kidney and Renal Pelvis	Female	73	421,389	17.3	15.0	68.3	0.602	568	4,058,444	14.0
Larynx	Total	26	835,303	3.1	2.7	23.3	0.628	194	8,156,803	2.4
Larynx	Male	20	413,914	4.8	4.1	17.4	0.589	147	4,098,359	3.6
Larynx	Female	6	421,389	1.4	1.2	5.7	1.000	47	4,058,444	1.2
Leukemia	Total	183	835,303	21.9	19.1	181.5	0.934	1,544	8,156,803	18.9
Leukemia	Male	117	413,914	28.3	24.7	106.3	0.321	919	4,098,359	22.4
Leukemia	Female	66	421,389	15.7	13.6	74.6	0.348	625	4,058,444	15.4
Liver and Bile Duct	Total	101	835,303	12.1	10.3	89.2	0.234	742	8,156,803	9.1
Liver and Bile Duct	Male	67	413,914	16.2	13.9	62.0	0.557	527	4,098,359	12.9
Liver and Bile Duct	Female	34	421,389	8.1	6.9	26.3	0.168	215	4,058,444	5.3
Lung and Bronchus	Total	636	835,303	76.1	64.0	526.7	0.000 >>	4,323	8,156,803	53.0
Lung and Bronchus	Male	312	413,914	75.4	63.5	261.5	0.003 >>	2,183	4,098,359	53.3
Lung and Bronchus	Female	324	421,389	76.9	64.6	264.5	0.000 >>	2,140	4,058,444	52.7
Melanoma of the Skin	Total	306	835,303	36.6	32.1	332.2	0.156	2,838	8,156,803	34.8
Melanoma of the Skin	Male	187	413,914	45.2	39.3	198.2	0.450	1,708	4,098,359	41.7
Melanoma of the Skin	Female	119	421,389	28.2	25.0	132.7	0.251	1,130	4,058,444	27.8
Myeloma	Total	93	835,303	11.1	9.5	76.5	0.074	635	8,156,803	7.8
Myeloma	Male	60	413,914	14.5	12.4	45.8	0.050 >>	387	4,098,359	9.4
Myeloma	Female	33	421,389	7.8	6.6	30.4	0.689	248	4,058,444	6.1
Non-Hodgkin Lymphoma	Total	211	835,303	25.3	21.9	210.2	0.973	1,781	8,156,803	21.8
Non-Hodgkin Lymphoma	Male	120	413,914	29.0	25.4	118.5	0.913	1,026	4,098,359	25.0
Non-Hodgkin Lymphoma	Female	91	421,389	21.6	18.6	91.0	1.000	755	4,058,444	18.6
Oral Cavity and Pharynx	Total	145	835,303	17.4	14.9	139.3	0.654	1,170	8,156,803	14.3
Oral Cavity and Pharynx	Male	106	413,914	25.6	22.2	97.2	0.398	834	4,098,359	20.3
Oral Cavity and Pharynx	Female	39	421,389	9.3	7.9	40.7	0.870	336	4,058,444	8.3
Ovary	Female	58	421,389	13.8	12.0	58.7	0.993	495	4,058,444	12.2
Pancreas	Total	174	835,303	20.8	17.7	158.4	0.232	1,314	8,156,803	16.1
Pancreas	Male	94	413,914	22.7	19.4	86.7	0.458	732	4,098,359	17.9
Pancreas	Female	80	421,389	19.0	16.1	71.3	0.328	582	4,058,444	14.3
Prostate	Male	704	413,914	170.1	144.7	719.7	0.575	6,062	4,098,359	147.9
Stomach	Total	56	835,303	6.7	5.8	49.8	0.414	418	8,156,803	5.1
Stomach	Male	38	413,914	9.2	7.9	31.7	0.300	269	4,098,359	6.6
Stomach	Female	18	421,389	4.3	3.7	17.8	1.000	149	4,058,444	3.7
Testis	Male	26	413,914	6.3	6.5	24.3	0.781	248	4,098,359	6.1
Thyroid	Total	102	835,303	12.2	11.5	118.3	0.142	1,083	8,156,803	13.3
Thyroid	Male	33	413,914	8.0	7.3	37.5	0.522	339	4,098,359	8.3
Thyroid	Female	69	421,389	16.4	15.5	81.6	0.176	744	4,058,444	18.3
Pediatric Age 0 to 19	Total	29	206,786	14.0	14.1	35.6	0.307	396	2,292,538	17.3
Pediatric Age 0 to 19	Male	15	106,941	14.0	14.0	18.2	0.536	199	1,167,380	17.0
Pediatric Age 0 to 19	Female	14	99,845	14.0	14.2	17.3	0.515	197	1,125,158	17.5

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 KOOTENAI COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cause of Death Cancer Site/Type	Sex	Kootenai 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	8,689	861,287	1,008.8	874.9	8,545.7	0.123	71,846	8,350,107	860.4
All Causes of Death	Male	4,551	427,856	1,063.7	930.9	4,450.6	0.135	38,235	4,199,841	910.4
All Causes of Death	Female	4,138	433,431	954.7	822.4	4,074.7	0.325	33,611	4,150,266	809.9
All Malignant Cancers	Total	1,788	861,287	207.6	176.9	1,627.4	0.000 >>	13,445	8,350,107	161.0
All Malignant Cancers	Male	966	427,856	225.8	193.3	864.7	0.001 >>	7,269	4,199,841	173.1
All Malignant Cancers	Female	822	433,431	189.6	161.3	758.4	0.023 >>	6,176	4,150,266	148.8
Bladder	Total	52	861,287	6.0	5.1	52.5	1.000	433	8,350,107	5.2
Bladder	Male	41	427,856	9.6	8.2	39.7	0.872	334	4,199,841	8.0
Bladder	Female	11	433,431	2.5	2.1	12.2	0.875	99	4,150,266	2.4
Brain and Other Nervous System	Total	55	861,287	6.4	5.6	54.7	1.000	463	8,350,107	5.5
Brain and Other Nervous System	Male	37	427,856	8.6	7.6	29.1	0.179	252	4,199,841	6.0
Brain and Other Nervous System	Female	18	433,431	4.2	3.6	25.5	0.155	211	4,150,266	5.1
Breast	Total	126	861,287	14.6	12.6	119.3	0.565	998	8,350,107	12.0
Breast	Male	1	427,856	0.2	0.2	1.4	1.000	12	4,199,841	0.3
Breast	Female	125	433,431	28.8	24.7	120.1	0.680	986	4,150,266	23.8
Cervix	Female	6	433,431	1.4	1.3	9.5	0.336	82	4,150,266	2.0
Colorectal	Total	145	861,287	16.8	14.5	142.2	0.833	1,187	8,350,107	14.2
Colorectal	Male	82	427,856	19.2	16.6	76.3	0.543	650	4,199,841	15.5
Colorectal	Female	63	433,431	14.5	12.5	65.4	0.828	537	4,150,266	12.9
Corpus Uteri	Female	22	433,431	5.1	4.3	18.2	0.434	147	4,150,266	3.5
Esophagus	Total	47	861,287	5.5	4.6	50.4	0.700	414	8,350,107	5.0
Esophagus	Male	41	427,856	9.6	8.2	41.8	0.988	350	4,199,841	8.3
Esophagus	Female	6	433,431	1.4	1.2	7.9	0.656	64	4,150,266	1.5
Hodgkin Lymphoma	Total	-	861,287	-	-	3.0	0.103	25	8,350,107	0.3
Hodgkin Lymphoma	Male	-	427,856	-	-	1.6	0.385	14	4,199,841	0.3
Hodgkin Lymphoma	Female	-	433,431	-	-	1.3	0.539	11	4,150,266	0.3
Kidney	Total	51	861,287	5.9	5.0	40.8	0.135	335	8,350,107	4.0
Kidney	Male	32	427,856	7.5	6.4	25.4	0.233	214	4,199,841	5.1
Kidney	Female	19	433,431	4.4	3.7	15.0	0.365	121	4,150,266	2.9
Larynx	Total	6	861,287	0.7	0.6	8.5	0.514	70	8,350,107	0.8
Larynx	Male	5	427,856	1.2	1.0	7.2	0.558	60	4,199,841	1.4
Larynx	Female	1	433,431	0.2	0.2	1.2	1.000	10	4,150,266	0.2
Leukemia	Total	67	861,287	7.8	6.6	72.2	0.588	598	8,350,107	7.2
Leukemia	Male	39	427,856	9.1	7.8	42.5	0.655	358	4,199,841	8.5
Leukemia	Female	28	433,431	6.5	5.5	29.4	0.898	240	4,150,266	5.8
Liver and Bile Duct	Total	70	861,287	8.1	6.9	68.7	0.904	565	8,350,107	6.8
Liver and Bile Duct	Male	54	427,856	12.6	10.8	43.9	0.154	369	4,199,841	8.8
Liver and Bile Duct	Female	16	433,431	3.7	3.1	24.2	0.103	196	4,150,266	4.7
Lung and Bronchus	Total	382	861,287	44.4	37.3	313.1	0.000 >>	2,555	8,350,107	30.6
Lung and Bronchus	Male	190	427,856	44.4	37.6	162.4	0.037 >>	1,351	4,199,841	32.2
Lung and Bronchus	Female	192	433,431	44.3	37.2	149.8	0.001 >>	1,204	4,150,266	29.0
Melanoma of the Skin	Total	43	861,287	5.0	4.3	30.8	0.044 >>	258	8,350,107	3.1
Melanoma of the Skin	Male	29	427,856	6.8	5.8	20.2	0.077	171	4,199,841	4.1
Melanoma of the Skin	Female	14	433,431	3.2	2.8	10.4	0.339	87	4,150,266	2.1
Myeloma	Total	34	861,287	3.9	3.3	35.7	0.863	291	8,350,107	3.5
Myeloma	Male	23	427,856	5.4	4.6	19.8	0.533	165	4,199,841	3.9
Myeloma	Female	11	433,431	2.5	2.1	15.7	0.287	126	4,150,266	3.0
Non-Hodgkin Lymphoma	Total	59	861,287	6.9	5.8	61.7	0.791	509	8,350,107	6.1
Non-Hodgkin Lymphoma	Male	35	427,856	8.2	7.0	32.8	0.741	275	4,199,841	6.5
Non-Hodgkin Lymphoma	Female	24	433,431	5.5	4.7	28.9	0.422	234	4,150,266	5.6
Oral Cavity and Pharynx	Total	34	861,287	3.9	3.4	29.2	0.424	241	8,350,107	2.9
Oral Cavity and Pharynx	Male	23	427,856	5.4	4.6	20.1	0.576	169	4,199,841	4.0
Oral Cavity and Pharynx	Female	11	433,431	2.5	2.2	8.8	0.552	72	4,150,266	1.7
Ovary	Female	38	433,431	8.8	7.4	39.9	0.848	323	4,150,266	7.8
Pancreas	Total	140	861,287	16.3	13.8	128.0	0.308	1,050	8,350,107	12.6
Pancreas	Male	77	427,856	18.0	15.3	68.5	0.336	573	4,199,841	13.6
Pancreas	Female	63	433,431	14.5	12.3	59.1	0.643	477	4,150,266	11.5
Prostate	Male	118	427,856	27.6	23.5	105.0	0.225	879	4,199,841	20.9
Stomach	Total	17	861,287	2.0	1.7	21.1	0.444	177	8,350,107	2.1
Stomach	Male	9	427,856	2.1	1.8	13.0	0.332	110	4,199,841	2.6
Stomach	Female	8	433,431	1.8	1.6	8.0	1.000	67	4,150,266	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	Kootenai 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%	89.5%
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%	9.3%
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%	62.9%
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%	75.8%
Colorectal Cancer Screening, Age 45–75 (2022)	63.3%	61.0%	62.5%	60.8%	67.2%	65.0%	60.4%	60.2%	63.4%
Tobacco Use									
Current Tobacco User (2020–2022)	22.1%	24.3%	20.4%	24.8%	21.3%	22.5%	22.6%	18.1%	23.8%
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%	28.6%
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%	80.0%
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%	23.3%
Home Ever Tested for Radon (2016, 2018, 2020)	22.9%	30.8%	18.3%	16.9%	25.2%	20.1%	23.0%	21.0%	34.7%

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).

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.

** 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 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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CDRI Cancer Data Registry of Idaho

Idaho Hospital Association