LEMHI 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 328 cases of invasive cancer were diagnosed among Lemhi County residents (Table 1).

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

Cancer Incidence 2017–2021	Lemhi County	State of Idaho
All Sites/Types	**328**	**47,333**
Female Breast	**37**	**6,943**
Prostate	**75**	**6,766**
Lung & Bronchus	**39**	**4,959**
Colorectal	**20**	**3,632**

Table 3 (*Cancer Incidence 2017–2021, Comparison between Lemhi 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 Lemhi 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 Lemhi County was 818.6 cases per 100,000 person-years per year during 2017–2021. Comparing this crude rate with the crude rate for the remainder of Idaho (525.1) gives an estimate of the relative burden of disease in Lemhi County.

The age- and sex-adjusted incidence rate of invasive cancer in Lemhi County, all sites combined, was 505.4 cases per 100,000 persons per year during 2017–2021. There were fewer cases of cancer in Lemhi County (328) than expected (340.8) 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 125 Lemhi 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 Lemhi County and the State of Idaho, 2018–2022

Mortality 2018–2022	Lemhi County	State of Idaho
All Deaths	**630**	**80,538**
Cancer Deaths	**125**	**15,233**
% of All Deaths	*19.8%*	*18.9%*
Lung & Bronchus	**29**	**2,937**
Colorectal	**13**	**1,332**
Pancreas	**10**	**1,190**
Female Breast	**8**	**1,111**
Prostate	**10**	**997**

Table 4 (*Cancer Mortality 2018–2022, Comparison between Lemhi 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 Lemhi 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 Lemhi County, all sites combined, was 175.6 deaths per 100,000 persons per year during 2018–2022, compared with 164.7 for the remainder of the state. There were more cancer deaths in Lemhi County (125) than expected (117.3) 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 LEMHI COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cancer Site/Type	Sex	Lemhi 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	328	40,068	818.6	505.4	340.8	0.510	47,005	8,952,038	525.1
All Sites Combined	Male	199	20,301	980.2	557.4	199.3	1.000	25,071	4,491,972	558.1
All Sites Combined	Female	129	19,767	652.6	435.0	145.8	0.172	21,934	4,460,066	491.8
Bladder	Total	17	40,068	42.4	23.5	17.8	0.969	2,203	8,952,038	24.6
Bladder	Male	14	20,301	69.0	35.3	15.5	0.826	1,759	4,491,972	39.2
Bladder	Female	3	19,767	15.2	9.1	3.3	1.000	444	4,460,066	10.0
Brain - malignant	Total	1	40,068	2.5	1.8	4.1	0.166	656	8,952,038	7.3
Brain - malignant	Male	-	20,301	-	-	2.5	0.168	382	4,491,972	8.5
Brain - malignant	Female	1	19,767	5.1	3.7	1.7	1.000	274	4,460,066	6.1
Brain and other CNS - non-malignant	Total	10	40,068	25.0	16.5	10.4	1.000	1,537	8,952,038	17.2
Brain and other CNS - non-malignant	Male	2	20,301	9.9	6.4	3.5	0.653	498	4,491,972	11.1
Brain and other CNS - non-malignant	Female	8	19,767	40.5	27.6	6.7	0.728	1,039	4,460,066	23.3
Breast	Total	37	40,068	92.3	60.7	47.4	0.141	6,971	8,952,038	77.9
Breast	Male	-	20,301	-	-	0.5	1.000	65	4,491,972	1.4
Breast	Female	37	19,767	187.2	127.8	44.8	0.270	6,906	4,460,066	154.8
Breast - in situ	Total	5	40,068	12.5	8.5	8.9	0.241	1,364	8,952,038	15.2
Breast - in situ	Male	-	20,301	-	-	0.0	1.000	4	4,491,972	0.1
Breast - in situ	Female	5	19,767	25.3	17.8	8.6	0.288	1,360	4,460,066	30.5
Cervix	Female	1	19,767	5.1	4.7	1.4	1.000	293	4,460,066	6.6
Colorectal	Total	20	40,068	49.9	31.4	25.7	0.302	3,612	8,952,038	40.3
Colorectal	Male	14	20,301	69.0	41.6	14.7	0.990	1,963	4,491,972	43.7
Colorectal	Female	6	19,767	30.4	19.9	11.2	0.145	1,649	4,460,066	37.0
Corpus Uteri	Female	7	19,767	35.4	23.7	8.9	0.668	1,347	4,460,066	30.2
Esophagus	Total	6	40,068	15.0	8.8	3.8	0.373	501	8,952,038	5.6
Esophagus	Male	6	20,301	29.6	16.4	3.4	0.271	423	4,491,972	9.4
Esophagus	Female	-	19,767	-	-	0.6	1.000	78	4,460,066	1.7
Hodgkin Lymphoma	Total	-	40,068	-	-	1.1	0.670	222	8,952,038	2.5
Hodgkin Lymphoma	Male	-	20,301	-	-	0.7	1.000	129	4,491,972	2.9
Hodgkin Lymphoma	Female	-	19,767	-	-	0.4	1.000	93	4,460,066	2.1
Kidney and Renal Pelvis	Total	12	40,068	29.9	18.9	13.8	0.766	1,939	8,952,038	21.7
Kidney and Renal Pelvis	Male	8	20,301	39.4	23.8	9.7	0.728	1,302	4,491,972	29.0
Kidney and Renal Pelvis	Female	4	19,767	20.2	13.3	4.3	1.000	637	4,460,066	14.3
Larynx	Total	-	40,068	-	-	1.6	0.386	220	8,952,038	2.5
Larynx	Male	-	20,301	-	-	1.3	0.520	167	4,491,972	3.7
Larynx	Female	-	19,767	-	-	0.4	1.000	53	4,460,066	1.2
Leukemia	Total	5	40,068	12.5	7.7	12.5	0.030 <<	1,722	8,952,038	19.2
Leukemia	Male	2	20,301	9.9	5.7	8.0	0.027 <<	1,034	4,491,972	23.0
Leukemia	Female	3	19,767	15.2	9.9	4.7	0.629	688	4,460,066	15.4
Liver and Bile Duct	Total	7	40,068	17.5	10.4	6.3	0.877	836	8,952,038	9.3
Liver and Bile Duct	Male	4	20,301	19.7	11.3	4.7	1.000	590	4,491,972	13.1
Liver and Bile Duct	Female	3	19,767	15.2	9.4	1.8	0.514	246	4,460,066	5.5
Lung and Bronchus	Total	39	40,068	97.3	54.3	39.5	1.000	4,920	8,952,038	55.0
Lung and Bronchus	Male	24	20,301	118.2	61.4	21.5	0.647	2,471	4,491,972	55.0
Lung and Bronchus	Female	15	19,767	75.9	45.2	18.2	0.536	2,449	4,460,066	54.9
Melanoma of the Skin	Total	18	40,068	44.9	29.1	21.6	0.514	3,126	8,952,038	34.9
Melanoma of the Skin	Male	10	20,301	49.3	28.8	14.6	0.284	1,885	4,491,972	42.0
Melanoma of the Skin	Female	8	19,767	40.5	29.1	7.6	0.994	1,241	4,460,066	27.8
Myeloma	Total	5	40,068	12.5	7.2	5.6	1.000	723	8,952,038	8.1
Myeloma	Male	3	20,301	14.8	8.1	3.7	0.997	444	4,491,972	9.9
Myeloma	Female	2	19,767	10.1	6.2	2.0	1.000	279	4,460,066	6.3
Non-Hodgkin Lymphoma	Total	11	40,068	27.5	17.0	14.3	0.470	1,981	8,952,038	22.1
Non-Hodgkin Lymphoma	Male	8	20,301	39.4	23.4	8.7	1.000	1,138	4,491,972	25.3
Non-Hodgkin Lymphoma	Female	3	19,767	15.2	9.8	5.8	0.338	843	4,460,066	18.9
Oral Cavity and Pharynx	Total	10	40,068	25.0	15.6	9.4	0.922	1,305	8,952,038	14.6
Oral Cavity and Pharynx	Male	8	20,301	39.4	23.8	7.0	0.799	932	4,491,972	20.7
Oral Cavity and Pharynx	Female	2	19,767	10.1	6.5	2.6	1.000	373	4,460,066	8.4
Ovary	Female	6	19,767	30.4	20.9	3.5	0.292	547	4,460,066	12.3
Pancreas	Total	13	40,068	32.4	18.7	11.5	0.729	1,475	8,952,038	16.5
Pancreas	Male	7	20,301	34.5	18.7	6.8	1.000	819	4,491,972	18.2
Pancreas	Female	6	19,767	30.4	18.4	4.8	0.693	656	4,460,066	14.7
Prostate	Male	75	20,301	369.4	204.3	54.7	0.011 >>	6,691	4,491,972	149.0
Stomach	Total	2	40,068	5.0	3.0	3.5	0.639	472	8,952,038	5.3
Stomach	Male	2	20,301	9.9	5.5	2.5	1.000	305	4,491,972	6.8
Stomach	Female	-	19,767	-	-	1.1	0.645	167	4,460,066	3.7
Testis	Male	1	20,301	4.9	6.2	1.0	1.000	273	4,491,972	6.1
Thyroid	Total	5	40,068	12.5	10.7	6.2	0.843	1,180	8,952,038	13.2
Thyroid	Male	-	20,301	-	-	2.3	0.201	372	4,491,972	8.3
Thyroid	Female	5	19,767	25.3	23.3	3.9	0.699	808	4,460,066	18.1
Pediatric Age 0 to 19	Total	1	8,021	12.5	12.5	1.4	1.000	424	2,491,303	17.0
Pediatric Age 0 to 19	Male	-	4,228	-	-	0.7	0.980	214	1,270,093	16.8
Pediatric Age 0 to 19	Female	1	3,793	26.4	26.4	0.7	0.956	210	1,221,210	17.2

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 LEMHI COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cause of Death Cancer Site/Type	Sex	Lemhi 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	630	40,471	1,556.7	895.8	612.7	0.496	79,905	9,170,923	871.3
All Causes of Death	Male	367	20,539	1,786.8	972.8	347.3	0.304	42,419	4,607,158	920.7
All Causes of Death	Female	263	19,932	1,319.5	797.8	270.8	0.665	37,486	4,563,765	821.4
All Malignant Cancers	Total	125	40,471	308.9	175.6	117.3	0.500	15,108	9,170,923	164.7
All Malignant Cancers	Male	77	20,539	374.9	197.1	69.2	0.376	8,158	4,607,158	177.1
All Malignant Cancers	Female	48	19,932	240.8	146.6	49.9	0.864	6,950	4,563,765	152.3
Bladder	Total	5	40,471	12.4	6.6	4.0	0.730	480	9,170,923	5.2
Bladder	Male	5	20,539	24.3	11.8	3.4	0.509	370	4,607,158	8.0
Bladder	Female	-	19,932	-	-	0.8	0.866	110	4,563,765	2.4
Brain and Other Nervous System	Total	1	40,471	2.5	1.6	3.5	0.263	517	9,170,923	5.6
Brain and Other Nervous System	Male	-	20,539	-	-	2.1	0.253	289	4,607,158	6.3
Brain and Other Nervous System	Female	1	19,932	5.0	3.3	1.5	1.000	228	4,563,765	5.0
Breast	Total	8	40,471	19.8	11.8	8.3	1.000	1,116	9,170,923	12.2
Breast	Male	-	20,539	-	-	0.1	1.000	13	4,607,158	0.3
Breast	Female	8	19,932	40.1	25.3	7.7	0.995	1,103	4,563,765	24.2
Cervix	Female	-	19,932	-	-	0.5	1.000	88	4,563,765	1.9
Colorectal	Total	13	40,471	32.1	19.1	9.8	0.376	1,319	9,170,923	14.4
Colorectal	Male	10	20,539	48.7	27.9	5.6	0.121	722	4,607,158	15.7
Colorectal	Female	3	19,932	15.1	9.3	4.2	0.786	597	4,563,765	13.1
Corpus Uteri	Female	-	19,932	-	-	1.2	0.587	169	4,563,765	3.7
Esophagus	Total	2	40,471	4.9	2.8	3.5	0.632	459	9,170,923	5.0
Esophagus	Male	2	20,539	9.7	5.3	3.2	0.759	389	4,607,158	8.4
Esophagus	Female	-	19,932	-	-	0.5	1.000	70	4,563,765	1.5
Hodgkin Lymphoma	Total	-	40,471	-	-	0.2	1.000	25	9,170,923	0.3
Hodgkin Lymphoma	Male	-	20,539	-	-	0.1	1.000	14	4,607,158	0.3
Hodgkin Lymphoma	Female	-	19,932	-	-	0.1	1.000	11	4,563,765	0.2
Kidney	Total	4	40,471	9.9	5.5	3.0	0.726	382	9,170,923	4.2
Kidney	Male	2	20,539	9.7	5.1	2.1	1.000	244	4,607,158	5.3
Kidney	Female	2	19,932	10.0	5.8	1.0	0.561	138	4,563,765	3.0
Larynx	Total	-	40,471	-	-	0.6	1.000	76	9,170,923	0.8
Larynx	Male	-	20,539	-	-	0.5	1.000	65	4,607,158	1.4
Larynx	Female	-	19,932	-	-	0.1	1.000	11	4,563,765	0.2
Leukemia	Total	3	40,471	7.4	4.2	5.2	0.473	662	9,170,923	7.2
Leukemia	Male	1	20,539	4.9	2.5	3.4	0.291	396	4,607,158	8.6
Leukemia	Female	2	19,932	10.0	6.0	1.9	1.000	266	4,563,765	5.8
Liver and Bile Duct	Total	7	40,471	17.3	10.0	4.8	0.419	628	9,170,923	6.8
Liver and Bile Duct	Male	4	20,539	19.5	10.7	3.4	0.881	419	4,607,158	9.1
Liver and Bile Duct	Female	3	19,932	15.1	9.1	1.5	0.388	209	4,563,765	4.6
Lung and Bronchus	Total	29	40,471	71.7	39.4	23.3	0.285	2,908	9,170,923	31.7
Lung and Bronchus	Male	19	20,539	92.5	47.6	13.2	0.156	1,522	4,607,158	33.0
Lung and Bronchus	Female	10	19,932	50.2	29.4	10.3	1.000	1,386	4,563,765	30.4
Melanoma of the Skin	Total	3	40,471	7.4	4.4	2.2	0.760	298	9,170,923	3.2
Melanoma of the Skin	Male	3	20,539	14.6	8.0	1.6	0.433	197	4,607,158	4.3
Melanoma of the Skin	Female	-	19,932	-	-	0.7	1.000	101	4,563,765	2.2
Myeloma	Total	2	40,471	4.9	2.7	2.6	1.000	323	9,170,923	3.5
Myeloma	Male	1	20,539	4.9	2.4	1.7	1.000	187	4,607,158	4.1
Myeloma	Female	1	19,932	5.0	2.9	1.0	1.000	136	4,563,765	3.0
Non-Hodgkin Lymphoma	Total	5	40,471	12.4	6.9	4.4	0.917	563	9,170,923	6.1
Non-Hodgkin Lymphoma	Male	4	20,539	19.5	10.3	2.6	0.522	306	4,607,158	6.6
Non-Hodgkin Lymphoma	Female	1	19,932	5.0	3.0	1.9	0.863	257	4,563,765	5.6
Oral Cavity and Pharynx	Total	2	40,471	4.9	2.9	2.1	1.000	273	9,170,923	3.0
Oral Cavity and Pharynx	Male	1	20,539	4.9	2.6	1.6	1.000	191	4,607,158	4.1
Oral Cavity and Pharynx	Female	1	19,932	5.0	3.1	0.6	0.879	82	4,563,765	1.8
Ovary	Female	4	19,932	20.1	12.3	2.6	0.508	357	4,563,765	7.8
Pancreas	Total	10	40,471	24.7	13.9	9.2	0.888	1,180	9,170,923	12.9
Pancreas	Male	5	20,539	24.3	12.9	5.4	1.000	645	4,607,158	14.0
Pancreas	Female	5	19,932	25.1	15.0	3.9	0.708	535	4,563,765	11.7
Prostate	Male	10	20,539	48.7	23.5	9.1	0.859	987	4,607,158	21.4
Stomach	Total	3	40,471	7.4	4.6	1.4	0.318	191	9,170,923	2.1
Stomach	Male	2	20,539	9.7	5.5	0.9	0.478	117	4,607,158	2.5
Stomach	Female	1	19,932	5.0	3.4	0.5	0.760	74	4,563,765	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	Lemhi 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%	.
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%	6.1%
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%	53.2%
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%	.
Tobacco Use									
Current Tobacco User (2020–2022)	22.1%	24.3%	20.4%	24.8%	21.3%	22.5%	22.6%	18.1%	27.2%
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%	34.7%
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%	74.3%
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%	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).

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