

PAYETTE COUNTY CANCER PROFILE

*A fact sheet from the Cancer Data Registry
of Idaho, Idaho Hospital Association.*

**Cancer Incidence 2003-2007
Cancer Mortality 2004-2008
BRFSS 2000-2008**

CANCER

Cancer is a group of more than 100 different diseases, each characterized by 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.

It is generally accepted that 65-80% of all cancers are related to personal lifestyle or environmental factors, such as smoking and diet, and are therefore preventable. Other factors such as age, gender, and family history of specific cancers are also associated with cancer and aid in the identification of people at high risk.

For some cancers, effective treatment is available. For these cancers, early detection saves lives. For example, early detection of breast cancer in women 50 years of age and older has decreased breast cancer mortality by 30%. These patterns indicate opportunities for disease control and for reducing the number of cancer deaths through prevention, early detection, and treatment of the disease. Access to detection services is a key consideration.

RISK FACTORS AND INTERVENTIONS

Aging:

Because the population is aging, the number of new cancer cases and cancer deaths that occur each year will continue to increase unless the trend is reversed by significant improvements in prevention, early detection, and treatment.

Smoking:

Smoking and the use of smokeless tobacco are responsible for the majority of all cancers of the lung, trachea, bronchus, larynx, pharynx, oral cavity, and esophagus. Smoking is the leading cause of preventable death in the United States.

Diet:

The U.S. Department of Agriculture recommends the following dietary guidelines for managing a healthy diet: eat a variety of foods; maintain a healthy weight; choose a diet low in total fat with plenty of fruits, vegetables, and grain products; limit the use of sugar, salt, and sodium; and minimize alcoholic beverage consumption.

Screening:

Early detection is extremely important for those cancers that can be cured and which can be discovered early. Breast cancer is a good example of this, as stage at diagnosis is the strongest predictor for survival from breast cancer.

FOR MORE INFORMATION

Cancer Data Registry of Idaho
615 N. 7th Street
P.O. Box 1278
Boise, ID 83701
208-338-5100 Ext. 213
<http://www.idcancer.org>

National Cancer Institute
Cancer Information Services
1-800-4CANCER
<http://cis.nci.nih.gov>

American Cancer Society
2676 South Vista Avenue
Boise, ID 83705
208-343-4609
<http://www.cancer.org>

CANCER INCIDENCE 2003-2007

During the five-year period 2003-2007, 31,924 cases of invasive cancer were diagnosed among residents of the state of Idaho, 546 among Payette County residents. It is estimated that almost one in two Idahoans will develop cancer during their lifetime.

Cancer Incidence 2003-2007	Payette County	State of Idaho
All Sites/Types	546	31,924
Prostate	83	5,357
Female Breast	74	4,219
Lung & Bronchus	82	3,906
Colorectal	60	2,935

The table, *CANCER INCIDENCE 2003-2007, COMPARISON BETWEEN PAYETTE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO*, shows for Payette County 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. The table also shows the number of observed cases, person-years, and crude rates for the remainder of the state of Idaho.

Comparisons 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 cancer. Separate comparisons for males, females, and both sexes combined are included.

As the table shows, the crude rate of invasive cancer incidence in Payette County was 500.9 cases per 100,000 person-years for the years 2003-2007. Compared with the crude incidence rate for the remainder of Idaho (446.6), this gives an estimate of the burden of disease in Payette County.

The age- and sex-adjusted incidence rate of invasive cancer in Payette County, all sites combined, was 453.1 cases per 100,000 persons per year for the years 2003-2007. There were more cases of cancer in Payette County (546) than expected (538.1) 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, related to smoking, other personal behaviors, socioeconomic status, and other factors.

CANCER MORTALITY 2004-2008

Cancer is the second leading cause of deaths in Idaho and in the United States. From 2004-2008, 11,781 persons in Idaho died from cancer, 222 in Payette County. The majority of cancer deaths are from four primary sites: lung, colon, female breast, and prostate.

Mortality 2004-2008	Payette County	State of Idaho
All Deaths	945	52,819
Cancer Deaths % of All Deaths	222 23.5%	11,781 22.3%
Lung & Bronchus	66	2,962
Colorectal	20	1,035
Female Breast	15	809
Prostate	11	777

The table, *CANCER MORTALITY 2004-2008, COMPARISON BETWEEN PAYETTE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO*, shows for Payette County 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. The table also shows the number of observed deaths, person-years, and crude rates for the remainder of the state of Idaho. Comparisons 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 Payette County, all sites combined, was 176.8 deaths per 100,000 persons per year for the years 2004-2008, compared with 160.9 for the remainder of the state. There were more cancer deaths in Payette County (222) than expected (202) 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.

CANCER INCIDENCE 2003-2007
COMPARISON BETWEEN PAYETTE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cancer Site/Type	Sex	Payette 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	546	109,005	500.9	453.1	538.1	0.746	31,378	7,025,789	446.6
All Sites Combined	Male	312	54,118	576.5	509.4	292.5	0.266	16,872	3,533,195	477.5
All Sites Combined	Female	234	54,887	426.3	393.4	247.0	0.427	14,506	3,492,594	415.3
Bladder	Total	23	109,005	21.1	18.6	24.9	0.797	1,417	7,025,789	20.2
Bladder	Male	18	54,118	33.3	28.6	19.3	0.883	1,085	3,533,195	30.7
Bladder	Female	5	54,887	9.1	8.2	5.8	0.955	332	3,492,594	9.5
Brain - malignant	Total	14	109,005	12.8	12.3	7.8	0.057	479	7,025,789	6.8
Brain - malignant	Male	7	54,118	12.9	12.4	4.1	0.249	258	3,533,195	7.3
Brain - malignant	Female	7	54,887	12.8	12.2	3.6	0.153	221	3,492,594	6.3
Brain and other CNS - non-malignant	Total	5	109,005	4.6	4.3	10.2	0.120	610	7,025,789	8.7
Brain and other CNS - non-malignant	Male	2	54,118	3.7	3.5	2.8	0.916	174	3,533,195	4.9
Brain and other CNS - non-malignant	Female	3	54,887	5.5	5.1	7.4	0.130	436	3,492,594	12.5
Breast	Total	75	109,005	68.8	63.3	70.8	0.653	4,199	7,025,789	59.8
Breast	Male	1	54,118	1.8	1.6	0.9	1.000	54	3,533,195	1.5
Breast	Female	74	54,887	134.8	125.1	70.2	0.680	4,145	3,492,594	118.7
Breast - in situ	Total	5	109,005	4.6	4.3	14.2	0.010 <<	859	7,025,789	12.2
Breast - in situ	Male	-	54,118	-	-	0.1	1.000	4	3,533,195	0.1
Breast - in situ	Female	5	54,887	9.1	8.6	14.2	0.009 <<	855	3,492,594	24.5
Cervix	Female	7	54,887	12.8	12.5	3.5	0.127	216	3,492,594	6.2
Colorectal	Total	60	109,005	55.0	49.0	50.1	0.190	2,875	7,025,789	40.9
Colorectal	Male	36	54,118	66.5	58.3	25.8	0.068	1,478	3,533,195	41.8
Colorectal	Female	24	54,887	43.7	39.4	24.3	1.000	1,397	3,492,594	40.0
Corpus Uteri	Female	14	54,887	25.5	23.6	12.9	0.839	762	3,492,594	21.8
Esophagus	Total	6	109,005	5.5	5.0	5.7	1.000	330	7,025,789	4.7
Esophagus	Male	5	54,118	9.2	8.2	4.7	1.000	274	3,533,195	7.8
Esophagus	Female	1	54,887	1.8	1.6	1.0	1.000	56	3,492,594	1.6
Hodgkin Lymphoma	Total	3	109,005	2.8	2.8	2.9	1.000	187	7,025,789	2.7
Hodgkin Lymphoma	Male	1	54,118	1.8	1.8	1.4	1.000	89	3,533,195	2.5
Hodgkin Lymphoma	Female	2	54,887	3.6	3.8	1.5	0.873	98	3,492,594	2.8
Kidney and Renal Pelvis	Total	15	109,005	13.8	12.6	16.1	0.912	949	7,025,789	13.5
Kidney and Renal Pelvis	Male	13	54,118	24.0	21.8	10.0	0.411	591	3,533,195	16.7
Kidney and Renal Pelvis	Female	2	54,887	3.6	3.4	6.1	0.115	358	3,492,594	10.3
Larynx	Total	5	109,005	4.6	4.2	3.6	0.577	209	7,025,789	3.0
Larynx	Male	3	54,118	5.5	5.0	2.8	1.000	166	3,533,195	4.7
Larynx	Female	2	54,887	3.6	3.4	0.7	0.329	43	3,492,594	1.2
Leukemia	Total	21	109,005	19.3	17.5	16.7	0.348	978	7,025,789	13.9
Leukemia	Male	15	54,118	27.7	24.7	9.8	0.147	570	3,533,195	16.1
Leukemia	Female	6	54,887	10.9	10.1	6.9	0.920	408	3,492,594	11.7
Liver and Bile Duct	Total	4	109,005	3.7	3.4	4.6	1.000	275	7,025,789	3.9
Liver and Bile Duct	Male	3	54,118	5.5	5.1	3.2	1.000	191	3,533,195	5.4
Liver and Bile Duct	Female	1	54,887	1.8	1.7	1.5	1.000	84	3,492,594	2.4
Lung and Bronchus	Total	82	109,005	75.2	66.3	67.3	0.090	3,824	7,025,789	54.4
Lung and Bronchus	Male	52	54,118	96.1	82.9	36.7	0.020 >>	2,068	3,533,195	58.5
Lung and Bronchus	Female	30	54,887	54.7	49.0	30.8	0.980	1,756	3,492,594	50.3
Melanoma of the Skin	Total	16	109,005	14.7	13.8	27.5	0.026 <<	1,665	7,025,789	23.7
Melanoma of the Skin	Male	8	54,118	14.8	13.5	16.3	0.036 <<	977	3,533,195	27.7
Melanoma of the Skin	Female	8	54,887	14.6	14.0	11.2	0.426	688	3,492,594	19.7
Myeloma	Total	5	109,005	4.6	4.1	6.3	0.802	360	7,025,789	5.1
Myeloma	Male	3	54,118	5.5	4.8	3.9	0.910	222	3,533,195	6.3
Myeloma	Female	2	54,887	3.6	3.3	2.4	1.000	138	3,492,594	4.0
Non-Hodgkin Lymphoma	Total	29	109,005	26.6	23.9	22.3	0.197	1,294	7,025,789	18.4
Non-Hodgkin Lymphoma	Male	14	54,118	25.9	23.0	11.7	0.583	682	3,533,195	19.3
Non-Hodgkin Lymphoma	Female	15	54,887	27.3	24.9	10.5	0.229	612	3,492,594	17.5
Oral Cavity and Pharynx	Total	10	109,005	9.2	8.4	12.8	0.536	759	7,025,789	10.8
Oral Cavity and Pharynx	Male	9	54,118	16.6	15.2	9.2	1.000	547	3,533,195	15.5
Oral Cavity and Pharynx	Female	1	54,887	1.8	1.7	3.6	0.245	212	3,492,594	6.1
Ovary	Female	3	54,887	5.5	5.0	8.0	0.085	468	3,492,594	13.4
Pancreas	Total	11	109,005	10.1	8.9	14.3	0.470	811	7,025,789	11.5
Pancreas	Male	10	54,118	18.5	16.2	7.2	0.377	410	3,533,195	11.6
Pancreas	Female	1	54,887	1.8	1.6	7.1	0.013 <<	401	3,492,594	11.5
Prostate	Male	83	54,118	153.4	133.8	92.6	0.345	5,274	3,533,195	149.3
Stomach	Total	7	109,005	6.4	5.7	6.0	0.781	345	7,025,789	4.9
Stomach	Male	6	54,118	11.1	9.7	4.1	0.474	236	3,533,195	6.7
Stomach	Female	1	54,887	1.8	1.7	1.9	0.881	109	3,492,594	3.1
Testis	Male	3	54,118	5.5	5.9	3.3	1.000	226	3,533,195	6.4
Thyroid	Total	10	109,005	9.2	9.1	13.8	0.373	886	7,025,789	12.6
Thyroid	Male	4	54,118	7.4	7.2	2.9	0.676	186	3,533,195	5.3
Thyroid	Female	6	54,887	10.9	10.9	11.0	0.155	700	3,492,594	20.0
Pediatric Age 0 to 19	Total	5	33,747	14.8	15.1	6.1	0.844	396	2,127,494	18.6
Pediatric Age 0 to 19	Male	3	17,174	17.5	17.7	3.2	1.000	203	1,087,814	18.7
Pediatric Age 0 to 19	Female	2	16,573	12.1	12.4	3.0	0.846	193	1,039,680	18.6

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.

CANCER MORTALITY 2004-2008
COMPARISON BETWEEN PAYETTE COUNTY AND THE REMAINDER OF THE STATE OF IDAHO

Cause of Death Cancer Site/Type	Sex	Payette 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	945	110,716	853.5	744.4	916.5	0.355	51,874	7,184,884	722.0
All Causes of Death	Male	494	54,993	898.3	781.6	458.5	0.104	26,218	3,614,360	725.4
All Causes of Death	Female	451	55,723	809.4	707.1	458.3	0.757	25,656	3,570,524	718.5
All Malignant Cancers	Total	222	110,716	200.5	176.8	202.0	0.173	11,559	7,184,884	160.9
All Malignant Cancers	Male	119	54,993	216.4	187.6	107.1	0.273	6,103	3,614,360	168.9
All Malignant Cancers	Female	103	55,723	184.8	165.5	95.1	0.445	5,456	3,570,524	152.8
Bladder	Total	4	110,716	3.6	3.1	5.4	0.762	299	7,184,884	4.2
Bladder	Male	4	54,993	7.3	6.1	4.0	1.000	220	3,614,360	6.1
Bladder	Female	-	55,723	-	-	1.4	0.487	79	3,570,524	2.2
Brain and Other Nervous System	Total	9	110,716	8.1	7.6	6.1	0.318	367	7,184,884	5.1
Brain and Other Nervous System	Male	6	54,993	10.9	10.2	3.0	0.165	183	3,614,360	5.1
Brain and Other Nervous System	Female	3	55,723	5.4	5.1	3.1	1.000	184	3,570,524	5.2
Breast	Total	15	110,716	13.5	12.1	13.8	0.812	798	7,184,884	11.1
Breast	Male	-	54,993	-	-	0.1	1.000	4	3,614,360	0.1
Breast	Female	15	55,723	26.9	24.3	13.7	0.796	794	3,570,524	22.2
Cervix	Female	3	55,723	5.4	5.2	1.2	0.220	71	3,570,524	2.0
Colorectal	Total	20	110,716	18.1	15.8	17.9	0.676	1,015	7,184,884	14.1
Colorectal	Male	8	54,993	14.5	12.6	8.6	1.000	491	3,614,360	13.6
Colorectal	Female	12	55,723	21.5	19.0	9.3	0.447	524	3,570,524	14.7
Corpus Uteri	Female	-	55,723	-	-	1.4	0.501	80	3,570,524	2.2
Esophagus	Total	7	110,716	6.3	5.7	5.4	0.589	312	7,184,884	4.3
Esophagus	Male	5	54,993	9.1	8.1	4.4	0.897	256	3,614,360	7.1
Esophagus	Female	2	55,723	3.6	3.2	1.0	0.512	56	3,570,524	1.6
Hodgkin Lymphoma	Total	-	110,716	-	-	0.5	1.000	29	7,184,884	0.4
Hodgkin Lymphoma	Male	-	54,993	-	-	0.2	1.000	13	3,614,360	0.4
Hodgkin Lymphoma	Female	-	55,723	-	-	0.3	1.000	16	3,570,524	0.4
Kidney	Total	6	110,716	5.4	4.8	4.8	0.684	276	7,184,884	3.8
Kidney	Male	4	54,993	7.3	6.4	2.9	0.641	166	3,614,360	4.6
Kidney	Female	2	55,723	3.6	3.2	1.9	1.000	110	3,570,524	3.1
Larynx	Total	3	110,716	2.7	2.4	1.0	0.144	55	7,184,884	0.8
Larynx	Male	1	54,993	1.8	1.6	0.8	1.000	45	3,614,360	1.2
Larynx	Female	2	55,723	3.6	3.2	0.2	0.028 >>	10	3,570,524	0.3
Leukemia	Total	11	110,716	9.9	8.7	9.4	0.691	538	7,184,884	7.5
Leukemia	Male	9	54,993	16.4	14.1	5.2	0.158	292	3,614,360	8.1
Leukemia	Female	2	55,723	3.6	3.2	4.3	0.401	246	3,570,524	6.9
Liver and Bile Duct	Total	4	110,716	3.6	3.3	4.7	1.000	275	7,184,884	3.8
Liver and Bile Duct	Male	3	54,993	5.5	5.0	3.2	1.000	190	3,614,360	5.3
Liver and Bile Duct	Female	1	55,723	1.8	1.6	1.5	1.000	85	3,570,524	2.4
Lung and Bronchus	Total	66	110,716	59.6	52.4	50.8	0.046 >>	2,896	7,184,884	40.3
Lung and Bronchus	Male	36	54,993	65.5	56.5	28.4	0.190	1,612	3,614,360	44.6
Lung and Bronchus	Female	30	55,723	53.8	48.1	22.4	0.146	1,284	3,570,524	36.0
Melanoma of the Skin	Total	5	110,716	4.5	4.1	3.8	0.657	221	7,184,884	3.1
Melanoma of the Skin	Male	3	54,993	5.5	4.9	2.6	0.967	153	3,614,360	4.2
Melanoma of the Skin	Female	2	55,723	3.6	3.2	1.2	0.655	68	3,570,524	1.9
Myeloma	Total	4	110,716	3.6	3.2	4.3	1.000	247	7,184,884	3.4
Myeloma	Male	1	54,993	1.8	1.6	2.6	0.548	145	3,614,360	4.0
Myeloma	Female	3	55,723	5.4	4.8	1.8	0.535	102	3,570,524	2.9
Non-Hodgkin Lymphoma	Total	8	110,716	7.2	6.3	8.3	1.000	472	7,184,884	6.6
Non-Hodgkin Lymphoma	Male	1	54,993	1.8	1.6	4.5	0.122	257	3,614,360	7.1
Non-Hodgkin Lymphoma	Female	7	55,723	12.6	11.1	3.8	0.179	215	3,570,524	6.0
Oral Cavity and Pharynx	Total	3	110,716	2.7	2.4	3.1	1.000	181	7,184,884	2.5
Oral Cavity and Pharynx	Male	3	54,993	5.5	4.9	2.0	0.646	118	3,614,360	3.3
Oral Cavity and Pharynx	Female	-	55,723	-	-	1.1	0.651	63	3,570,524	1.8
Ovary	Female	6	55,723	10.8	9.7	5.6	0.961	322	3,570,524	9.0
Pancreas	Total	10	110,716	9.0	7.9	13.5	0.429	766	7,184,884	10.7
Pancreas	Male	8	54,993	14.5	12.7	6.4	0.629	369	3,614,360	10.2
Pancreas	Female	2	55,723	3.6	3.2	7.0	0.057	397	3,570,524	11.1
Prostate	Male	11	54,993	20.0	16.6	14.1	0.508	766	3,614,360	21.2
Stomach	Total	7	110,716	6.3	5.6	3.6	0.150	208	7,184,884	2.9
Stomach	Male	4	54,993	7.3	6.4	2.2	0.379	129	3,614,360	3.6
Stomach	Female	3	55,723	5.4	4.8	1.4	0.326	79	3,570,524	2.2

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 Health, Idaho Department of Health and Welfare, 2009.

Cancer Screening and Risk Factors: Behavioral Risk Factor Surveillance System (BRFSS)

The Bureau of Vital Records and Health Statistics (BVRHS), Division of Health, 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 (BRFS) since 1984 of random samples of adult Idahoans to measure population prevalences of risk factors for the major causes of death, including cancer. The BVRHS provided data sets containing BRFSS data from 2000 through 2008 to CDRI staff, who performed the analyses reported in these *County Profiles*. Data were weighted by probability of selection, and poststratified to 2008 Idaho population estimates by age group, sex, and county. Not all questions were asked in all years. Beginning in 2005, the BRFS was offered in both Spanish and English. A minimum of 30 respondents was required to generate county-level statistics. The cancer screening and risk factor measures were selected to assist in monitoring *Comprehensive Cancer Alliance for Idaho* objectives.

BRFSS: Cancer Screening and Risk Factor Prevalence Estimates, 2000-2008

	State of Idaho	HD 1	HD 2	HD 3	HD 4	HD 5	HD 6	HD 7	Payette County
Access to Care									
No Health Insurance, Age <65	19.5%	22.5%	19.6%	24.3%	15.2%	24.7%	16.3%	18.0%	27.4%
Cancer Screening									
Mammogram Past 2 Years, Age 50+	71.8%	71.5%	71.7%	66.7%	78.3%	68.8%	70.9%	67.9%	65.5%
Mammogram and CBE Past 2 Years, Age 40+	62.5%	62.5%	62.4%	58.8%	69.9%	59.1%	58.8%	56.8%	62.4%
Pap Test Past 3 Years, Cervix Intact	80.7%	82.0%	80.6%	81.5%	85.9%	77.2%	77.5%	72.1%	76.5%
Sigmoidoscopy/Colonoscopy Past 5 Years, Age 50+	41.9%	40.4%	47.2%	36.9%	48.4%	39.1%	36.6%	39.0%	33.4%
Prostate-Specific Antigen Test Past 2 Years, Age 50+	64.9%	60.6%	62.6%	62.1%	71.3%	66.9%	62.2%	62.3%	63.1%
Tobacco Use									
Current Smoker	18.8%	21.8%	18.8%	20.7%	18.4%	20.8%	17.0%	13.0%	24.0%
Current Smokeless Tobacco User	4.4%	5.4%	5.6%	4.6%	4.2%	4.8%	3.7%	3.2%	6.0%
Other Cancer-Related									
Sufficient Moderate/Vigorous Physical Activity	58.8%	57.9%	58.9%	55.0%	60.8%	57.9%	58.3%	61.1%	55.1%
Eat 5+ Servings Fruits & Veggies / Day	21.6%	22.0%	22.4%	19.2%	23.0%	22.8%	20.7%	20.4%	18.1%
Neither Obese Nor Overweight (BMI<25.0)	40.1%	39.0%	39.6%	36.4%	42.9%	39.9%	39.0%	41.3%	36.8%
Sunburn in Previous 12 Months	47.3%	45.1%	46.1%	42.1%	47.7%	46.7%	50.0%	54.4%	41.5%
BRFSS Respondents	45,701	6,622	6,523	6,475	6,593	6,514	6,509	6,465	718

Access to Care

Health Insurance – 2000 to 2008

Statewide, 19.5% of adults aged 18-64 reported having no health care coverage. Health care coverage differed significantly by race/ethnicity, with 17.8% of white non-Hispanics, compared to 41.2% of Hispanics and 32.8% of Native Americans, lacking health insurance. Spanish-speaking respondents were significantly more likely to be uninsured (78.6%) than English-speaking respondents (18.6%). Health care coverage differed significantly by age of respondent, with 30.5% of persons aged 18-24, and 13.0% of persons aged 55-64, lacking health insurance. Health care coverage differed significantly by county, with a range of 11.7% (Oneida County) to 35.2% (Owyhee County) lacking health insurance. Counties with higher proportions of uninsured had significantly higher rates of invasive cancer.

Cancer Screening

Mammogram – 2000, 2002, 2004, 2006-2008

Statewide, 71.8% of women aged 50 and older reported having a mammogram in the past 2 years. Mammography rates differed significantly by county, with a range in screening of 50.2% (Butte County) to 85.8% (Teton County). In 2008, Idaho had the 6th lowest mammography screening rate among states for women aged 50 and older.

Mammogram and CBE – 2000, 2002, 2004, 2006, 2008

Statewide, 62.5% of women aged 40 and older reported having a mammogram and clinical breast exam (CBE) in the past 2 years. Screening rates differed significantly by age of

respondent, with 69.3% of women aged 55-64, but only 50.4% of women aged 40-44, being screened. Mammogram/CBE utilization differed significantly by county, with a range in screening of 42.6% (Butte) to 70.8% (Blaine County).

Pap Test – 2000, 2002, 2004, 2006, 2008

Statewide, 80.7% of women aged 18 and older (with intact cervix) reported having a Pap test in the past 3 years. Pap screening differed significantly by age of respondent, with 89.5% of women aged 25-34, but only 62.8% of women aged 65 and older, screened in the past 3 years. Pap screening did not differ significantly by race/ethnicity. Pap screening decreased significantly from 84.1% in 2000 to 77.8% in 2008. Pap screening differed significantly by county, with a range of 58.8% (Madison County) to 90.1% (Blaine County). In 2008, Idaho had the third lowest Pap screening rate among states.

Sigmoidoscopy/Colonoscopy – 2001-2002, 2004, 2006-2008

Statewide, 41.9% of adults aged 50 and older reported having a sigmoidoscopy or colonoscopy within the past 5 years. This type of colorectal cancer screening differed significantly by age of respondent, with 26.6% of persons aged 50-54, and 50.9% of persons aged 65 and older being screened. Males (43.4%) were more likely to have been screened than females (40.5%). Persons with health insurance were almost three times more likely to be screened. There was a significant trend by year of survey, from 33.0% in 2001 to 47.1% in 2008. Screening differed significantly by county, with a range of 22.4% (Gem County) to 55.4% (Nez Perce County). In 2008, Idaho ranked 46th among states in the percentage of adults aged 50 and older who reported ever having a sigmoidoscopy or colonoscopy.

Cancer Screening and Risk Factors: Behavioral Risk Factor Surveillance System (BRFSS)

Prostate-Specific Antigen (PSA) Test – 2001-2002, 2004, 2006, 2008

Statewide, 64.9% of males aged 50 and older reported having a PSA test in the past 2 years to screen for prostate cancer. PSA test utilization differed significantly by age of respondent, with 48.3% of males aged 50-54 and 73.0% of males aged 65 and older screened in the past 2 years. PSA test utilization differed significantly by race/ethnicity, with 65.4% of white non-Hispanics, compared to 50.9% of Hispanics and 50.6% of Native Americans, screened in the past 2 years. In 2008, Idaho ranked 35th among states (1st = highest) in the proportion of males aged 40+ who had a PSA test within the past two years.

Tobacco Use

Current Smoking – 2000 to 2008

Statewide, 18.8% of adults aged 18 and older were current smokers. Smoking prevalence differed significantly by age of respondent, with 22.8% of persons aged 18-24, and 9.0% of persons aged 65 and older reporting current smoking. About twenty percent of males (20.1%) and 17.4% of females were current smokers, and smoking prevalence was lower among white non-Hispanics (18.3%) than among Native Americans (37.8%). There was a significant trend by year of survey, with lower smoking rates in more recent years. Smoking prevalence differed significantly by county, with a range of 3.7% (Madison County) to 26.1% (Shoshone County). Counties with higher rates of current smoking had significantly higher rates of lung cancer.

Smokeless Tobacco Use – 2000-2001, 2003-2006

Statewide, 4.4% of adults aged 18 and older were current users of smokeless tobacco. Smokeless tobacco use differed significantly by race/ethnicity, ranging from 2.1% among Hispanics to 8.5% among Native Americans. Smokeless tobacco use differed significantly by age group, ranging from 6.9% of persons aged 25-34 to 1.4% of persons aged 65 and older. Almost nine percent of males (8.6%) and 0.2% of females were current users of smokeless tobacco. There was no significant trend by year of survey. Smokeless tobacco use differed significantly by county, with a range of 0.7% (Madison County) to 20.1% (Camas County).

Other Cancer-Related

Physical Activity – 2001, 2003, 2005

Statewide, 58.8% of adults aged 18 and older exercised the recommended amount (30 minutes or more per day of moderate physical activity on 5 or more days per week or 20 minutes or more of vigorous physical activity on 3 or more days per week). White non-Hispanics (59.3%) were more likely to exercise the recommended amount than Hispanics (51.2%). Physical activity differed significantly by age of respondent, with 67.9% of persons aged 18-24, but only 47.4% of persons aged 65+, exercising the recommended amount. Males (61.4%) were significantly more likely to exercise the recommended amount than females (56.2%). Physical activity differed significantly by county, with a range of 49.1% (Idaho County) to 81.6% (Valley County) exercising the recommended amount.

Fruit & Vegetable Consumption – 2000, 2002-2003, 2005, 2007 Statewide, 21.6% of adults aged 18 and older reported eating 5 or more servings of fruits and vegetables per day. Fruit and vegetable consumption differed significantly by race/ethnicity, with 19.2% of Hispanics and 33.4% of Native Americans eating 5 or more servings per day. Males (16.4%) were significantly less likely to eat 5-a-day than females (26.9%). 5-a-day consumption differed significantly by age of respondent, with 17.7% of persons aged 18-24, and 30.9% of persons aged 65+ eating 5-a-day. 5-a-day consumption differed significantly by county, with a range of 14.8% (Owyhee County) to 30.7% (Camas County).

Body Mass Index – 2000 to 2008

Statewide, 40.1% of adults aged 18 and older were neither obese nor overweight as measured by body mass index (BMI <25). BMI differed significantly by race/ethnicity, with 40.4% of white non-Hispanics, compared to 35.6% of Hispanics and 32.0% of Native Americans, being neither obese nor overweight. Males (32.1%) were significantly less likely to have the recommended BMI than females (48.6%). BMI differed significantly by age of respondent, with 63.1% of persons aged 18-24, and 29.3% of persons aged 55-64, being neither obese nor overweight. BMI increased at a dramatic rate in Idaho, with 46.2% of adults in 2000 compared to 35.9% in 2008 being neither obese nor overweight. BMI differed significantly by county, with a range of 30.8% (Lewis County) to 57.7% (Blaine County) being neither obese nor overweight. Counties with higher rates of recommended BMI (neither obese nor overweight) had significantly lower rates of colorectal cancer.

Sun Exposure – 2003-2004, 2008

Statewide, 47.3% of adults aged 18 and older reported having sunburn in the past 12 months. Sunburn rates were higher for white non-Hispanics (48.8%) than for Hispanics (30.4%) or Native Americans (44.9%). Males (52.3%) were significantly more likely than females (42.5%) to have had sunburn in the past 12 months. Sunburn rates differed significantly by age group, with 69.3% of persons aged 18-24 and 13.8% of persons aged 65 and older having sunburn in the past 12 months. Sunburn rates differed significantly by county, with a range of 23.7% (Butte County) to 65.0% (Teton County) having sunburn in the past 12 months.

