

CANCER IN IDAHO - 2006

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Cancer Data Registry of Idaho



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PREFACE

“Cancer in Idaho - 2006,” the thirtieth annual report of the Cancer Data Registry of Idaho (CDRI), contains data on cancer cases diagnosed during 2006 among Idaho residents. These data can be used by public health officials, hospital administrators, physicians, the Comprehensive Cancer Alliance for Idaho and others to effectively plan services, prioritize health resource allocations, develop and measure prevention and intervention strategies, and identify high risk populations within the state of Idaho.

ACKNOWLEDGMENTS

The Idaho Hospital Association (IHA) contracts with, and receives funding from, the Idaho Department of Health and Welfare, Division of Health, to provide a statewide cancer surveillance system.

The statewide cancer registry database is a product of collaboration among many report sources including: hospitals, physicians, surgery centers, pathology laboratories, and other states in which Idaho residents are diagnosed and/or treated for cancer. Their cooperation in reporting timely, accurate, and complete cancer data is acknowledged and sincerely appreciated.

CDRI would also like to thank the Division of Health, Idaho Department of Health and Welfare, and the Comprehensive Cancer Alliance for Idaho for their continued partnership and for using CDRI data as a tool in cancer control and prevention.

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BACKGROUND

Introduction to the Cancer Data Registry of Idaho (CDRI)

Purpose of the Registry

Population-based cancer registries are essential for assessing the extent of cancer burden in a specified geographic area. The Cancer Data Registry of Idaho (CDRI) is a population-based cancer registry that collects incidence and survival data on all cancer patients who reside in the state of Idaho or who are diagnosed and/or treated for cancer in the state of Idaho. The goals of the CDRI are to:

- ◆ determine the incidence of cancer in the state of Idaho with respect to geographic, demographic, and social characteristics;
- ◆ monitor trends and patterns of cancer incidence over time;
- ◆ identify high risk populations;
- ◆ provide a database and serve as a resource in conducting epidemiologic studies; and
- ◆ provide data to assist public health officials, hospital administrators, and physicians to effectively plan services, prioritize health resource allocations and develop and measure prevention and intervention strategies.

History and Funding of the Registry

CDRI was established in 1969 and became population-based in 1971. The Idaho State Legislature has provided guidelines for the establishment, requirements, and funding of the statewide cancer registry. The operations of the registry are mandated by Idaho Code 57-1703 through 57-1707. Funding is appropriated in Idaho Code 57-1701 and 63-2520, which delineates a portion (less than one percent) of the cigarette tax to be dedicated to fund the statewide cancer registry. Through the National Program of Cancer Registries

(NPCR), additional funding has been awarded to CDRI from the Centers for Disease Control and Prevention (CDC) to enhance timely, complete and accurate data collection, computerization, and reporting of reliable data.

Collection of Data

Each Idaho hospital, outpatient surgery center, and pathology laboratory is responsible for the complete ascertainment of all data on cancer diagnoses and treatments provided in its facility within six months of diagnosis. Sources for identifying eligible cases include:

- ◆ hospitals,
- ◆ outpatient surgery centers,
- ◆ private pathology laboratories,
- ◆ free-standing radiation centers,
- ◆ physicians (for patients not receiving cancer diagnoses and/or treatment in the above sources),
- ◆ death certificates, and
- ◆ other state cancer registries reporting an Idaho resident with cancer (as negotiated).

Incomplete case reporting by US Veterans Affairs (VA) hospitals since late 2004 may have resulted in 40,000 to 70,000 cases being missed nationwide each year.¹⁹ The impact of incomplete case reporting of VA cases on Idaho cancer statistics is unknown, but acknowledged.

When a cancer case is reported from more than one source, the information is consolidated into one record.

Reported cases contain the following data:

- ◆ patient demographics (including geographic place of residence at time of cancer diagnosis);
- ◆ description of cancer (including date of diagnosis, primary site, metastatic sites, histology, extent of disease, etc.);
- ◆ first course treatment; and
- ◆ follow-up data for purposes of calculating survival rates.

Primary site, behavior, grade, and histology were coded according to the *International Classification of Diseases for Oncology, 3rd edition*.¹ Stage of disease variables were coded using SEER's *Summary Staging Manual 2000*, the *AJCC Manual for Staging of Cancer, 6th edition*, and the *Collaborative Staging Manual, Version 1.0*.^{2,3,16} SEER Summary Stage was coded using the SEER manual, not derived from Collaborative Staging variables. All other variables were coded following the rules of the North American Association of Central Cancer Registries (NAACCR), the National Cancer Institute's SEER program, and the American College of Surgeons Commission on Cancer.⁴⁻⁶

Reportable Cases

All in-situ or malignant neoplasms are reportable to CDRI. The database includes all cases of carcinoma, sarcoma, melanoma, lymphoma, and leukemia, diagnosed by histology/cytology, radiology, laboratory testing, clinical observation, and autopsy.

Also reportable are benign tumors of the brain, meninges, pineal gland, and pituitary gland.

Basal and squamous cell carcinomas of the skin are excluded except when occurring on a mucous membrane or if the AJCC stage group is II, III, or IV.

Under Idaho Code and as recommended by NAACCR, cervix in-situ cases are not currently reportable.

Confidentiality of Data

Idaho state law ensures the protection of confidential data and restricts the release of identifying data. Only aggregate data are published. The same law protects report sources from any liability for reporting confidential data to CDRI. Persons with access to confidential data are required to sign a pledge of confidentiality and are subject to penalty if they, through negligence or willful misconduct, disclose confidential data.

Quality Assurance

To assure validity and reliability of data presented, CDRI has many mechanisms in place to check data for quality and completeness. CDRI uses EDITS software which has standard edits using algorithms that check the content of data fields against an encoded set of acceptable possible contents and flags the acceptability of coded data. Edits include field edits, inter-field edits, and inter-record edits. Edits check for unlikely sex/site, site/histology and site/age combinations. In addition to computerized edits, each case is manually reviewed for errors.

Records are also routinely checked for duplicate entries. Duplicate case checking is performed both manually and electronically using several methodologies.

CDRI has met NPCR program standards and is recognized as a "gold standard registry" for quality, completeness and timeliness as designated by NAACCR. These designations enable Idaho data to be included in *United States Cancer Statistics* and all NAACCR volumes of *Cancer Incidence in North America*.

Executive Summary

Data Presentation

This report is comprised of seven sections. Section I focuses on the 23 most common cancer sites and all sites combined and presents age-adjusted incidence rates, numbers of cases, numbers of deaths, counts by county, stage of disease at time of diagnosis, risk factors, special notes, age-adjusted incidence rate comparisons by health district, and age-specific rates by gender. Comparison rates from the National Cancer Institute's SEER program and *United States Cancer Statistics* (USCS)¹⁸ are provided. Only registries whose data meet specified data quality criteria are included in USCS statistics. For the latest USCS report (2004 incidence), all states but Maryland are included, representing approximately 98% of the U.S. population. Section II depicts incidence data by site and gender for invasive and in-situ cases. Section III depicts mortality data by site and gender. Section IV contains a table of age-specific cancer rates, per 100,000, by site and gender. Section V contains a table of observed versus expected numbers of cancer cases by health district. For more detailed statistics by county, see CDRI's *County Cancer Profiles* at www.idcancer.org. Section VI contains tables of age-specific risks of developing and dying from cancer for males and females. Section VII shows cancer incidence trends in Idaho for the period 1975-2006.

Descriptive Summary by Gender and Race and Ethnicity

The data presented in this report cover cancer cases diagnosed among Idaho residents between January 1, 2006, and December 31, 2006. In this time frame, there were 6,880 cases of in-situ and invasive cancer diagnosed among Idaho residents (3,523 among males and 3,357 among females). By race and ethnicity, there were 6,614 cases among non-Hispanic whites, 165 among Hispanic whites, 7 cases among Blacks, 39 cases among Native Americans, and 30 cases among Asians/Pacific Islanders. Twenty-five cases were coded as other or missing race. The number of cancer cases treated in outpatient settings and reported only by pathology laboratories has increased over the last several years. CDRI has conducted matches with the Indian Health Service and Northwest Portland Area Indian Health Board to improve the accuracy of race information collected on Native Americans, and uses the NAACCR Hispanic Identification Algorithm to identify Hispanics by birthplace/race/surname. For more detailed statistics by race and ethnicity, see *Cancer in Idaho by Race and Ethnicity: 1990-2001*.¹⁵

Trends

There was a 2.0% increase in the number of reported cases from 2004 to 2005 (an increase of 138 cases from 2005 to 2006 as of one year after close of calendar year), and a decrease of 1.6% in the age-adjusted cancer incidence rate. There was a notable decrease in esophageal cancer incidence from 2005 to 2006. See Section VII for more detailed long term trends in cancer incidence.

Population Description

The population of the state of Idaho on July 1, 2006, was estimated to be 1,466,465 (738,366 males and 728,099 females). Population estimates were obtained from the National Center for Health Statistics.⁷ Idaho is comprised of 44 counties grouped into seven health districts. The composition of the health districts and their population estimates by gender as used in this report are shown below:

<u>Health District</u>	<u>Counties</u>	<u>Male</u>	<u>Female</u>
District 1	Benewah, Bonner, Boundary, Kootenai, Shoshone	102,900	103,240
District 2	Clearwater, Latah, Lewis, Idaho, Nez Perce	51,848	49,347
District 3	Adams, Canyon, Gem, Owyhee, Payette, Washington	118,553	118,693
District 4	Ada, Boise, Elmore, Valley	205,341	198,285
District 5	Blaine, Camas, Cassia, Gooding, Jerome, Lincoln, Minidoka, Twin Falls	87,662	85,964
District 6	Bannock, Bear Lake, Bingham, Butte, Caribou, Franklin, Oneida, Power	81,320	81,702
District 7	Bonneville, Clark, Custer, Fremont, Jefferson, Lemhi, Madison, Teton	90,742	90,868

SUMMARY MEASURES OF CANCER BURDEN IN IDAHO - 2006

Primary Site	Incident Cases	Deaths	Median Age at Diagnosis	Median Age at Death	Estimated Prevalence Count	Total Number of YPLL Before Age 75	Average Number of YPLL per Death, Persons Aged Less than 75 Years	% Change Incidence Rate 2005 to 2006
All Sites	6,400	2,299	67.0	73.0	41,960	16,129	12.3	-1.6%
Bladder	274	60	72.5	77.0	1,960	302	11.2	-19.8%
Brain	91	76	55.0	59.0	417	1,281	20.7	-18.0%
Breast	916	159	63.0	70.0	8,983	1,492	15.2	13.6%
Cervix	53	12	47.0	53.0	649	254	23.0	1.2%
Colorectal	553	197	70.0	73.0	3,792	1,192	10.4	-9.3%
Corpus Uteri	159	13	58.0	70.0	1,878	101	14.4	0.9%
Esophagus	63	77	68.0	69.0	115	633	12.7	-20.7%
Hodgkin Lymphoma	40	2	41.5	61.5	603	26	13.0	12.9%
Kidney	183	60	67.0	74.0	1019	412	12.5	-7.3%
Larynx	44	15	63.5	76.0	311	29	4.8	-7.8%
Leukemia	212	116	66.0	77.0	936	769	14.5	14.1%
Liver and Bile Duct	59	61	68.0	69.0	61	567	13.8	-3.0%
Lung and Bronchus	749	589	71.0	73.0	1,199	3,485	9.8	-8.4%
Melanoma of Skin	310	39	59.0	63.0	2,873	529	17.6	-15.5%
Myeloma	79	44	67.0	75.5	212	250	11.4	17.9%
Non-Hodgkin Lymphoma	261	83	69.0	79.0	1,572	369	11.2	-1.4%
Oral Cavity and Pharynx	148	38	63.0	72.0	1,119	250	10.8	-5.7%
Ovary	92	65	68.5	74.0	668	551	15.3	-5.0%
Pancreas	164	154	70.0	72.0	118	967	10.3	-2.4%
Prostate	1,090	144	68.0	80.0	8,786	288	6.7	2.7%
Stomach	68	34	68.5	73.5	188	244	13.6	8.2%
Testis	42	3	36.0	50.0	770	101	33.5	-16.0%
Thyroid	211	10	48.0	69.5	1,636	75	10.6	17.4%

Notes:

Incident cases include all invasive and bladder in situ cases newly diagnosed among Idaho residents in 2006.

Cancer prevalence is the number of people alive today who have been diagnosed with cancer. This includes individuals who were newly diagnosed, are in active treatment, have completed active treatment, and those living with progressive symptoms of their disease. Limited-duration prevalence was estimated from long-term incidence and survival rates from 1970 to 2006 but underestimates complete prevalence due to an unknown number of live cases diagnosed prior to 1970.

Years of potential life lost (YPLL) is a statistic used to measure the number of years of life lost in a population when persons in that population die prematurely (standard of 75 years of age used for this table).

Technical Notes

Age-adjusted Incidence Rates

Age-adjusted incidence rates published within this report were adjusted using the direct method and standardized to the age distribution of the 2000 U.S. population (see Appendix B for the 2000 U.S. standard population). Incidence rates represent the average number of new cases diagnosed annually per 100,000 persons. Age adjustment allows rates from one geographic area or time period to be compared with rates from other geographic areas or time periods that may have differences in age distributions. Any observed differences in age-adjusted incidence rates between populations are not due to differing age structures.

Because the 2000 U.S. standard population was used to age-adjust rates, the age-adjusted rates published in this report are not comparable with age-adjusted rates published in CDRI annual reports for incident years prior to 1999.

The computation of rates requires reliable estimates of the population at risk by five-year age groups and gender during the time period being studied. Population figures used in this report were obtained from the National Center for Health Statistics (see Appendix C).⁷

In conformity with NPCR and the National Cancer Institute's Surveillance, Epidemiology, and End Results (SEER) Program guidelines, the incidence rates excluded the following:

- ◆ in-situ cases, except bladder;
- ◆ basal and squamous cell skin cancers;
- ◆ cases with unknown age; and
- ◆ cases with unknown gender.

Of the total number of invasive and in-situ cases for 2006 (6,880), a total of 6,400 cases (6,256 invasive and 144 bladder in-situ) were used for calculating age-adjusted incidence rates. Of the 6,400 cases, 3,364 occurred among males and 3,036 occurred among females.

Age-specific Incidence Rates

Age-specific rates are calculated by dividing the number of cases for a given age group by the total population of that age group and are expressed as an average annual rate per 100,000 population by age group. Age-specific rates exclude the same types of cases that are excluded from age-adjusted incidence rates.

Observed vs. Expected Numbers of Cases

The expected numbers of cases were calculated using the indirect method of age-adjustment. For each health district, the expected numbers of cases were calculated using rates for the remainder of Idaho. The observed and expected numbers exclude in-situ cases (except bladder), basal and squamous cell skin cancers, and cases with unknown age or sex. Cases with unknown county of residence were not included in the observed numbers of cases. Statistically significant differences between observed and expected cases (standardized incidence ratios) were marked (+) for $p \leq 0.05$ and (*) for $p \leq 0.01$. Statistical significance does not necessarily imply that concern is warranted, since differences can occur as a result of multiple factors.

Risk and Associated Factors

The “risk and associated factors” subsections in Section I were developed from extracts of *Cancer Epidemiology and Prevention*, the American Cancer Society’s *Clinical Oncology*, and the *U.S. Department of Health and Human Services 11th Report on Carcinogens*.⁸⁻¹⁰ Socio-economic status is abbreviated as SES in Section I text.

Mean/Median/Mode

Measures of central tendency are helpful to describe a group of individual values in a simple and concise manner.

Mean also known as the arithmetic average, is the sum of all observations divided by the number of observations.

Median is the middle value when the observations are ranked in order from the smallest to the largest.

Mode is the value which occurs most frequently in a group of observed values.

Confidence Intervals

An estimated range of values within which the true population value lies with given probability is the confidence interval.

Cancer Case Definition

A “cancer case” is defined as a primary cancer site (where the cancer started), not a metastatic cancer site (where the cancer spread to). Since an individual can have more than one primary cancer site during their lifetime, the number of incident cancer cases is greater than the number of persons who are diagnosed with cancer.

Limitations to Data Interpretation and Comparison

Rates based on population estimates: In non-census years, state and county population figures are estimates. Errors in the estimates will impact the rates.

Rate comparisons: Age-adjusted incidence rates and age-specific rates based on small numbers of cases (fewer than 10 cases) may be unstable. In comparing rates among geographic areas (counties, health districts, or states), factors such as the absolute numbers of cases and differences in demographics should be considered. Interpretations without consideration of these factors may be misleading or inaccurate.

Racial misclassification: Many source documents used to report cancer do not specify race of the patient, or misclassify race. For more detailed statistics by race and ethnicity, see *Cancer in Idaho by Race and Ethnicity: 1990-2001*.¹⁵

Standard Site Analyses Categories

To facilitate interpretation of data and comparisons across registries, CDRI uses standardized groupings of site analysis categories. These groupings are consistent with the National Cancer Institute’s SEER Program, the Center for Disease Control and Prevention’s National Program of Cancer Registries (NPCR), and are adopted by NAACCR.^{4,5} Most neoplasms are grouped by the organ where they occur. Neoplasms of the lymphatic, hematopoietic, and reticuloendothelial systems are grouped by their histologies (leukemias, lymphomas, etc.), and not by the anatomic site where they occurred. Melanoma of the skin is a combination of both anatomic site and histologic type. See Appendix A for groupings of codes.

SEER

Part of the National Cancer Institute, the Surveillance, Epidemiology, and End Results (SEER) program consists of several population-based cancer registries throughout the U.S. SEER cancer statistics are designed to be representative of the U.S. population, and are included for reference in Section I of this report. SEER rates included data from 17 registries and were calculated using SEER*Stat.¹¹

USCS

United States Cancer Statistics (USCS) includes data from SEER and NPCR registries whose data meet specified data quality criteria.¹⁸ For the latest USCS report (2004 incidence data), all states but Maryland are included, representing approximately 98% of the U.S. population.

Stage at Time of Diagnosis

Staging measures the extent of disease at the time of initial diagnosis. Summary staging attempts to group cases with similar prognoses into categories of:

- ◆ in-situ (non-invasive),
- ◆ localized (cancer confined to the primary site),
- ◆ regional (direct extension of tumor to adjacent organs, and/or lymph nodes),
- ◆ distant (metastasis to tissues or lymph nodes remote from the primary site), or
- ◆ unstaged.

Limited-Duration Prevalence

Limited-duration prevalence represents the number of people alive on a certain day who had a diagnosis of the disease within the past x years. SEER*Stat's prevalence calculations use the counting method to estimate prevalence from incidence and follow-up data. The counting method

estimates prevalence by counting the number of persons who are known to be alive at a specific calendar time and adjusting for those lost to follow-up.

Risks of Developing and Dying from Cancer

Cancer incidence and mortality risks were estimated using DEVCAN Version 6.3.0 software.¹² DEVCAN was used to calculate the probability of developing or dying of cancer using Idaho-specific cancer incidence and mortality data for the years 2002-2006. The estimates generated are similar to estimates derived using incidence data from the Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute, mortality data from the National Center for Health Statistics, and population estimates from census data. DEVCAN was developed by Information Management Services, Inc. in consultation with the Applied Research Branch of the National Cancer Institute. DEVCAN uses a standard multiple decrement life table.

Trend Analyses

Joinpoint Version 3.3.1 software was used to model trends in age-adjusted cancer incidence rates.¹⁷ For each joinpoint time segment, the estimated annual percent change (EAPC) was calculated by fitting a least squares regression line to the natural logarithm of the rates using calendar year as a covariate. Heteroscedastic errors in annual rates were incorporated into the models based on the standard errors for the rates by primary site category and year. The software used a grid search to find the maximum likelihood estimates of the joinpoints for multiple models (0 to 3 joinpoints) per primary site category and sex. Model selection was performed using Monte Carlo methods.

SECTION I

2006 SUMMARY ON ALL SITES COMBINED AND 23 MOST COMMON SITES

ALL SITES

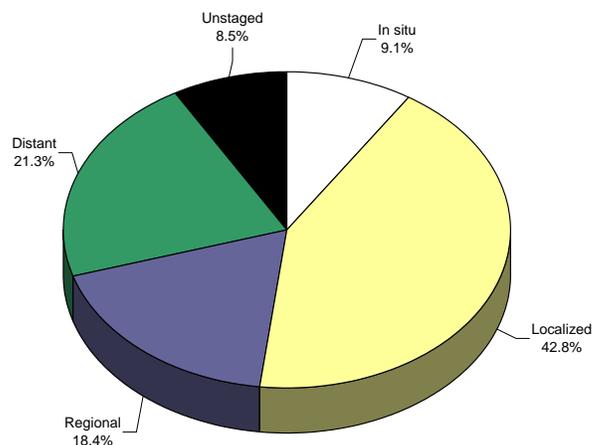
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	449.4	505.8	405.9
# of new invasive cases	6,256	3,254	3,002
# of new in-situ cases	624	269	355
# of deaths	2,299	1,232	1,067

Total Cases By County

Ada	1,649	Cassia	66	Lewis	35
Adams	17	Clark	1	Lincoln	21
Bannock	282	Clearwater	62	Madison	56
Bear Lake	30	Custer	19	Minidoka	90
Benewah	45	Elmore	137	Nez Perce	256
Bingham	148	Franklin	34	Oneida	14
Blaine	98	Fremont	49	Owyhee	54
Boise	43	Gem	102	Payette	117
Bonner	226	Gooding	76	Power	35
Bonneville	379	Idaho	100	Shoshone	92
Boundary	72	Jefferson	87	Teton	20
Butte	9	Jerome	84	Twin Falls	386
Camas	5	Kootenai	731	Valley	51
Canyon	747	Latah	107	Washington	52
Caribou	34	Lemhi	39		

Stage at Diagnosis - All Sites



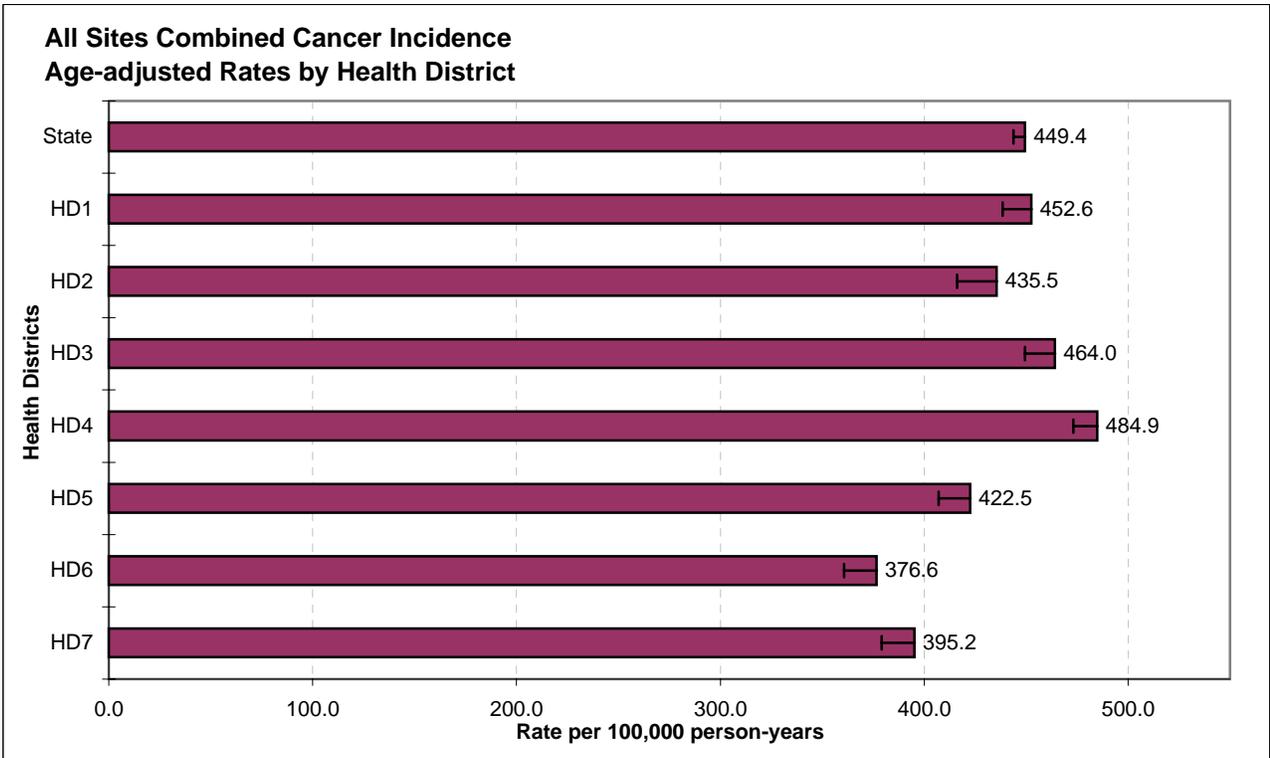
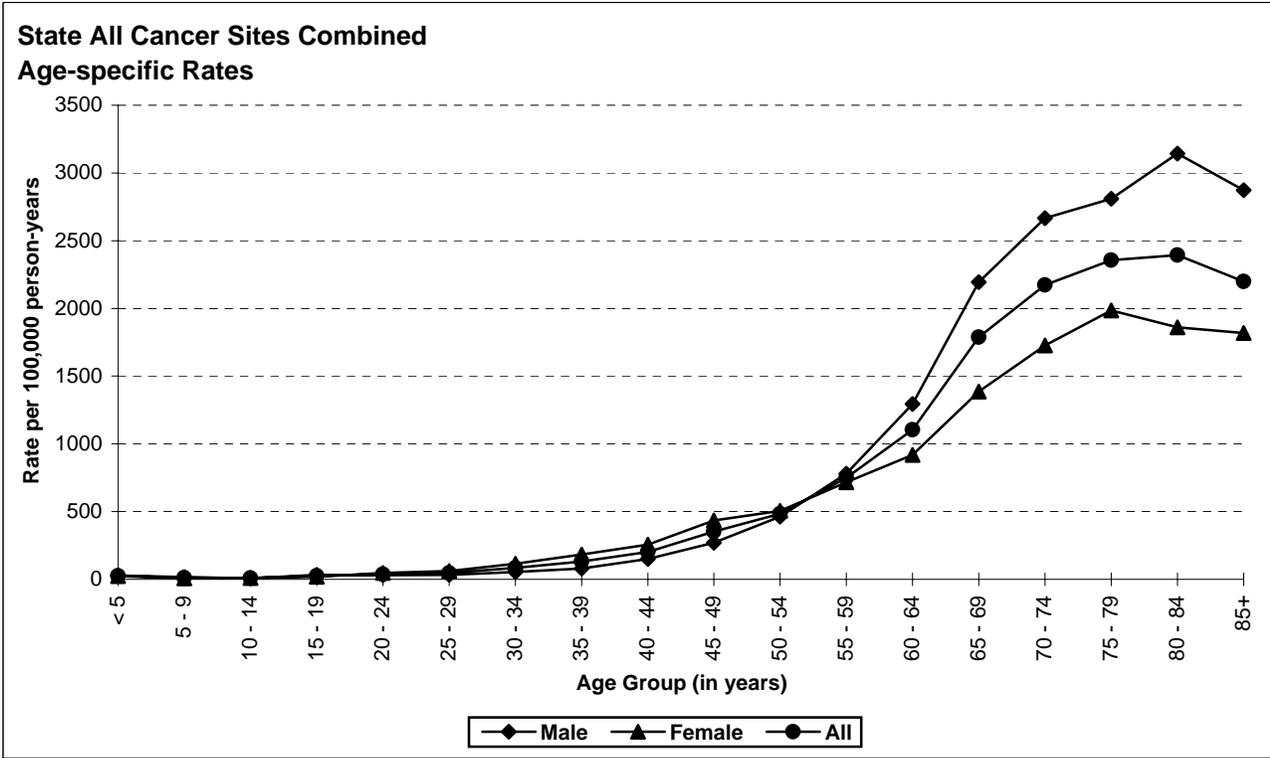
Risk and Associated Factors

Age	Rates usually increase steadily with age. Most cases occur among adults in mid-life or older.
Gender	Males have higher incidence rates than females for most cancer types.
Race & SES	Rates are higher for African Americans than for Caucasians and other races. Rates are generally higher among lower income groups.
Occupation	Risk for cancer is greater with some kinds of workplace exposures, such as some chemicals, asbestos, and radiation.
Diet	Diets that are low in fresh fruits and vegetables have been associated with increased incidence of several cancers.
Other	Tobacco use is the single most important risk factor for cancer incidence and mortality. Most cancers manifest a tendency to aggregate in families - close relatives of a cancer patient can be considered to have increased risk of that neoplasm, but not all forms of cancer. Excess risk is usually 2-3 times baseline, but in some (rare) families may be hundreds-fold.

Special Notes

Mean age-adjusted incidence rate across health districts:	433.1
95% confidence interval on the mean age-adjusted incidence rate:	404.7- 461.4
Median age-adjusted incidence rate of health districts:	435.5
Range of age-adjusted incidence rate for health districts:	376.6- 484.9
SEER 17 rate (2005, all races):	450.4
USCS rate (2004, all races):	458.2

The incidence rates for all cancers combined were similar for males and females in Idaho until approximately age 55-59, after which rates for males rose dramatically. The highest rates for both males and females were observed in age groups after age 70, peaking in the age group 80-84 for males and 75-79 for females. Health District 4 had statistically significantly more cases of cancer than expected based upon rates for the remainder of Idaho, and Health Districts 5, 6 and 7 had statistically significantly fewer cases than expected.



BLADDER

Incidence and Mortality Summary

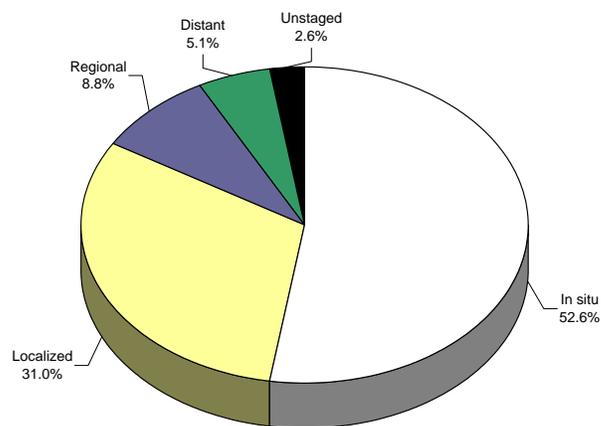
	Total	Male	Female
Age-adjusted incidence rate per 100,000	19.5	32.0	9.6

# of new invasive cases	130	92	38
# of new in-situ cases	144	110	34
# of deaths	60	46	14

Total Cases By County

Ada	68	Cassia	1	Lewis	2
Adams	-	Clark	-	Lincoln	-
Bannock	15	Clearwater	3	Madison	-
Bear Lake	1	Custer	-	Minidoka	3
Benewah	3	Elmore	6	Nez Perce	16
Bingham	10	Franklin	-	Oneida	-
Blaine	3	Fremont	1	Owyhee	-
Boise	2	Gem	8	Payette	7
Bonner	8	Gooding	2	Power	1
Bonneville	11	Idaho	5	Shoshone	1
Boundary	4	Jefferson	6	Teton	1
Butte	-	Jerome	3	Twin Falls	15
Camas	-	Kootenai	36	Valley	2
Canyon	19	Latah	6	Washington	2
Caribou	3	Lemhi	-		

Stage at Diagnosis - Bladder



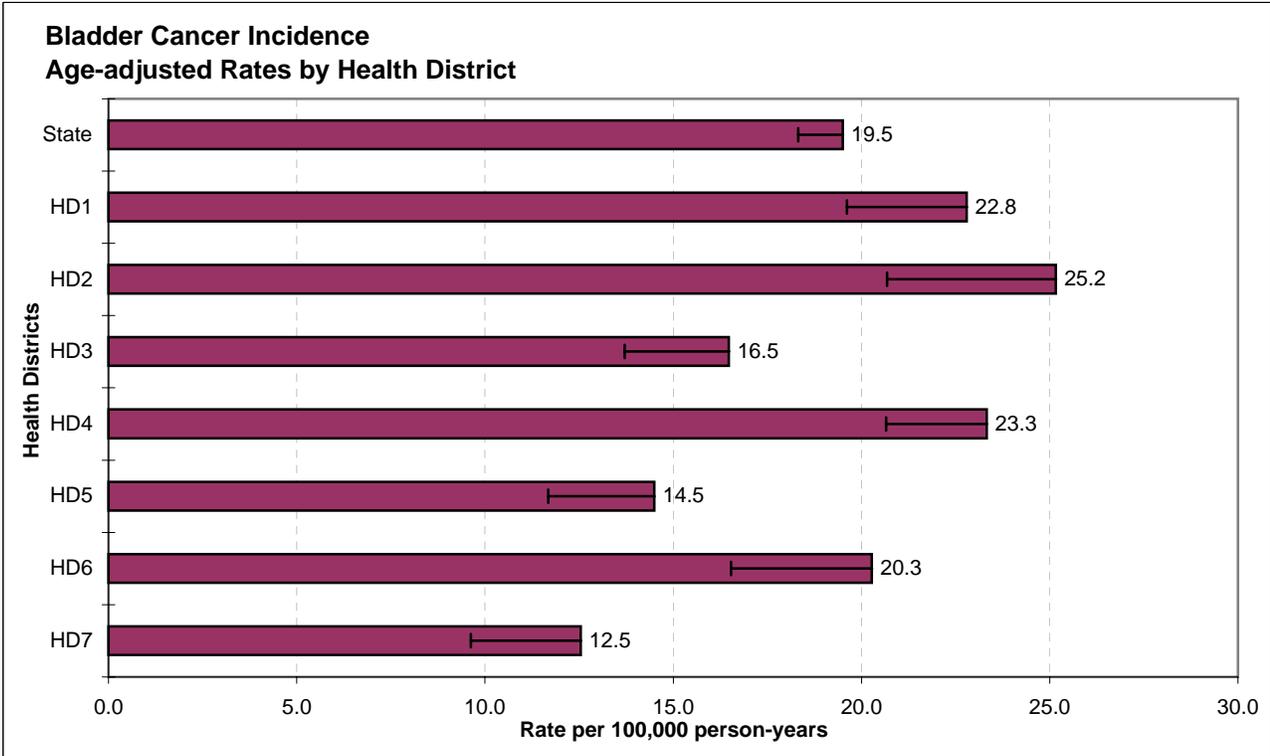
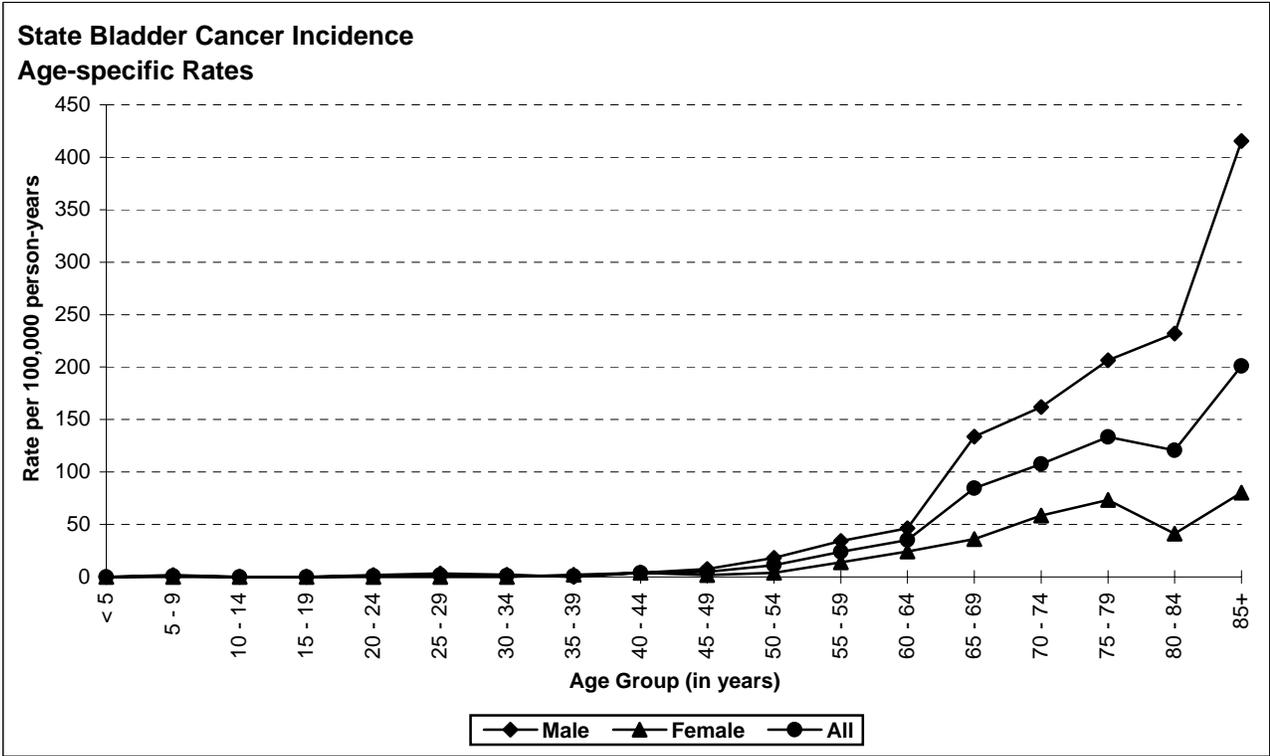
Risk and Associated Factors

Age	Rates usually increase steadily with age.
Gender	Males have substantially higher rates than females.
Race	Incidence rates are higher in Caucasians.
Occupation	Truck drivers, likely via exposure to motor exhaust, are at increased risk. Occupational exposures, including manufacturers of certain dyes, painters, and aluminum, rubber, cable, and leather workers, have been shown to increase risk of bladder cancer. Exposure to permanent hair dyes may increase risk.
Other	Tobacco consumption has been associated with a 2- to 5-fold higher incidence of bladder cancer and is attributable for a greater number of cases than other risk factors. Cyclophosphamide, a chemotherapeutic agent, and 4-amino-diphenyl are known human bladder carcinogens. Schistosoma hematobium may cause bladder tumors. Nitrate and arsenic in drinking water, and chlorinated surface water as a source for drinking water, have each been shown to increase the risk of bladder cancer.

Special Notes

Mean age-adjusted incidence rate across health districts:	19.3
95% confidence interval on the mean age-adjusted incidence rate:	15.7- 22.9
Median age-adjusted incidence rate of health districts:	20.3
Range of age-adjusted incidence rate for health districts:	12.5- 25.2
SEER 17 rate (2005, all races):	20.9
USCS rate (2004, all races):	21.3

There were few cases of bladder cancer among persons aged less than 50 years. Bladder cancer incidence rates increased with age, peaking in the age group 85+ for males and 75-79 for females. Health District 7 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.



BRAIN

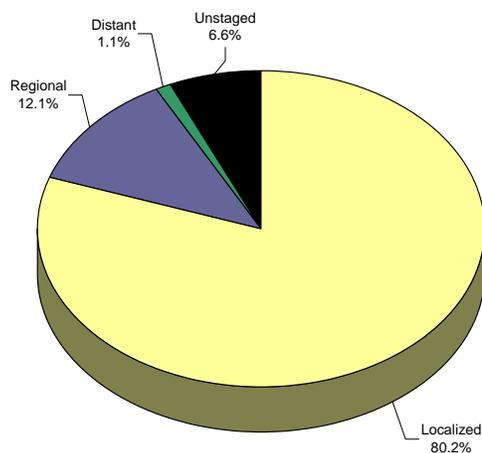
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	6.2	7.2	5.2
# of new invasive cases	91	53	38
# of new in-situ cases	0	0	0
# of deaths	76	39	37

Total Cases By County

Ada	23	Cassia	-	Lewis	-
Adams	-	Clark	-	Lincoln	1
Bannock	6	Clearwater	1	Madison	-
Bear Lake	-	Custer	-	Minidoka	2
Benewah	-	Elmore	4	Nez Perce	3
Bingham	-	Franklin	-	Oneida	-
Blaine	3	Fremont	-	Owyhee	-
Boise	1	Gem	-	Payette	2
Bonner	1	Gooding	1	Power	1
Bonneville	4	Idaho	1	Shoshone	-
Boundary	1	Jefferson	2	Teton	1
Butte	-	Jerome	1	Twin Falls	3
Camas	-	Kootenai	16	Valley	-
Canyon	10	Latah	2	Washington	1
Caribou	-	Lemhi	-		

Stage at Diagnosis - Brain



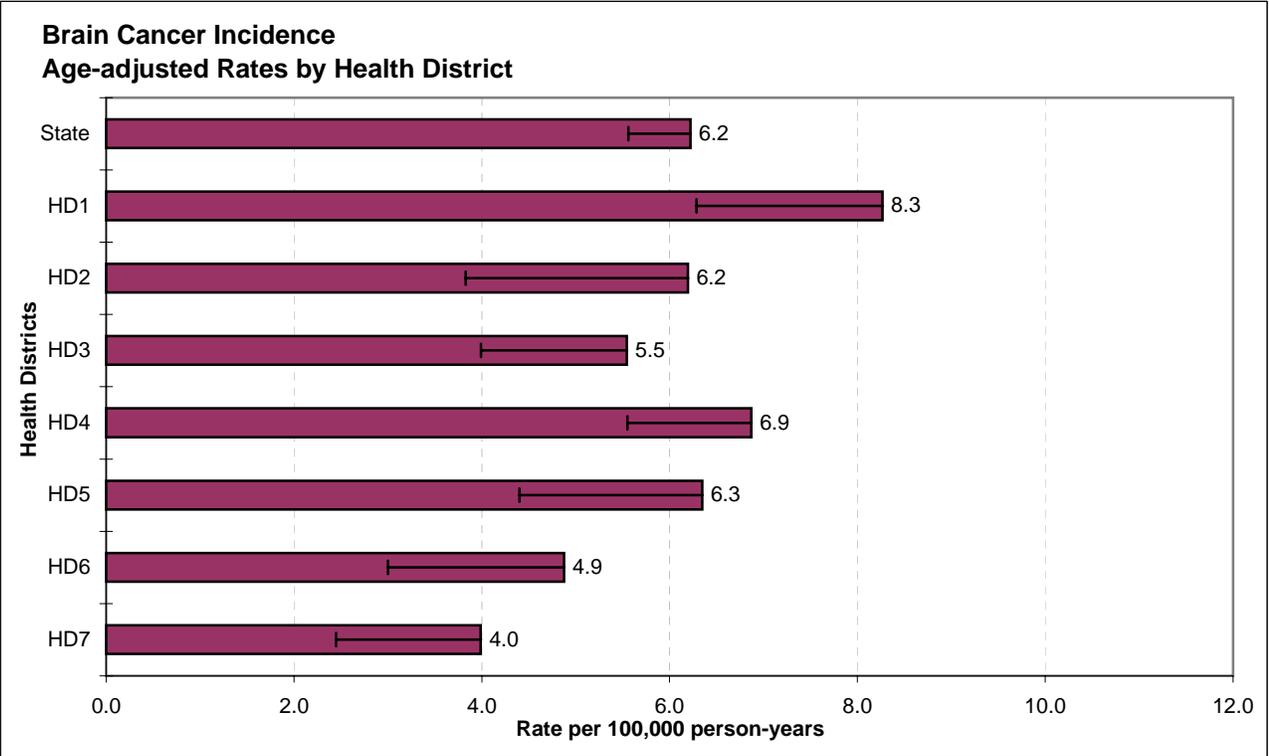
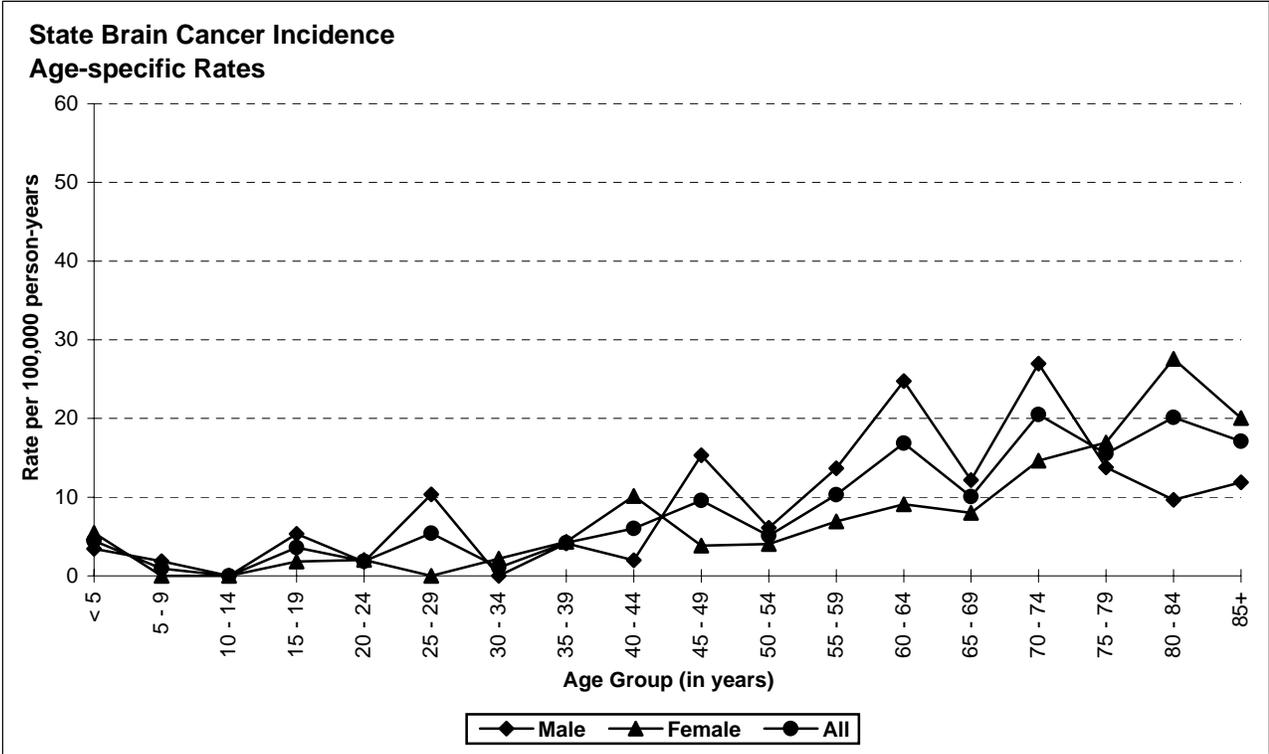
Risk and Associated Factors

Age	This is the second most common cancer among children, following leukemia. Adult malignant brain tumors are most common after age 60.
Gender	Males have higher rates than females.
Race & SES	The incidence rate is higher in Caucasians and higher social classes.
Genetics	Certain genetic factors may cause an increased risk of some malignant brain tumors, including gliomas, but the proportion of brain tumors attributable to inheritance is likely no more than 4%. Molecular tests that may be useful in screening for recurrences are being developed.
Occupation	Vinyl chloride and ionizing radiation exposure are risk factors. Many occupational and environmental exposures have shown suggestive associations with elevated rates of brain cancer. Roofers, sheet metal workers, and rubber and plastic workers may be at elevated risk. Specific exposures underlying these associations have been suggested but not established.
Other	Human Immunodeficiency Virus (HIV) infected individuals and organ transplant recipients have an increased risk of developing brain lymphoma.

Special Notes

Mean age-adjusted incidence rate across health districts:	6.0
95% confidence interval on the mean age-adjusted incidence rate:	5.0- 7.0
Median age-adjusted incidence rate of health districts:	6.2
Range of age-adjusted incidence rate for health districts:	4.0- 8.3
SEER 17 rate (2005, all races):	6.0
USCS rate (2004, all races):	6.2

The age-related incidence of brain cancer is typically bimodal, usually with a peak in infancy and childhood, a gradual rise in young adulthood, and a broader, sustained peak during the fifth to eighth decade of life. This trend is difficult to discern in Idaho's population due to the relatively small number of cases observed annually, which increases the variability in age-specific rates. No health districts had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.



BRAIN AND OTHER CNS NON-MALIGNANT

Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	7.8	4.6	10.7
# of new cases	113	32	81

Total Cases By County

Ada	35	Cassia	-	Lewis	2
Adams	-	Clark	-	Lincoln	-
Bannock	2	Clearwater	2	Madison	-
Bear Lake	2	Custer	-	Minidoka	-
Benewah	1	Elmore	2	Nez Perce	7
Bingham	5	Franklin	1	Oneida	1
Blaine	2	Fremont	-	Owyhee	-
Boise	-	Gem	2	Payette	-
Bonner	2	Gooding	1	Power	1
Bonneville	8	Idaho	-	Shoshone	1
Boundary	-	Jefferson	-	Teton	-
Butte	1	Jerome	2	Twin Falls	7
Camas	-	Kootenai	14	Valley	-
Canyon	9	Latah	2	Washington	-
Caribou	-	Lemhi	1		

Background

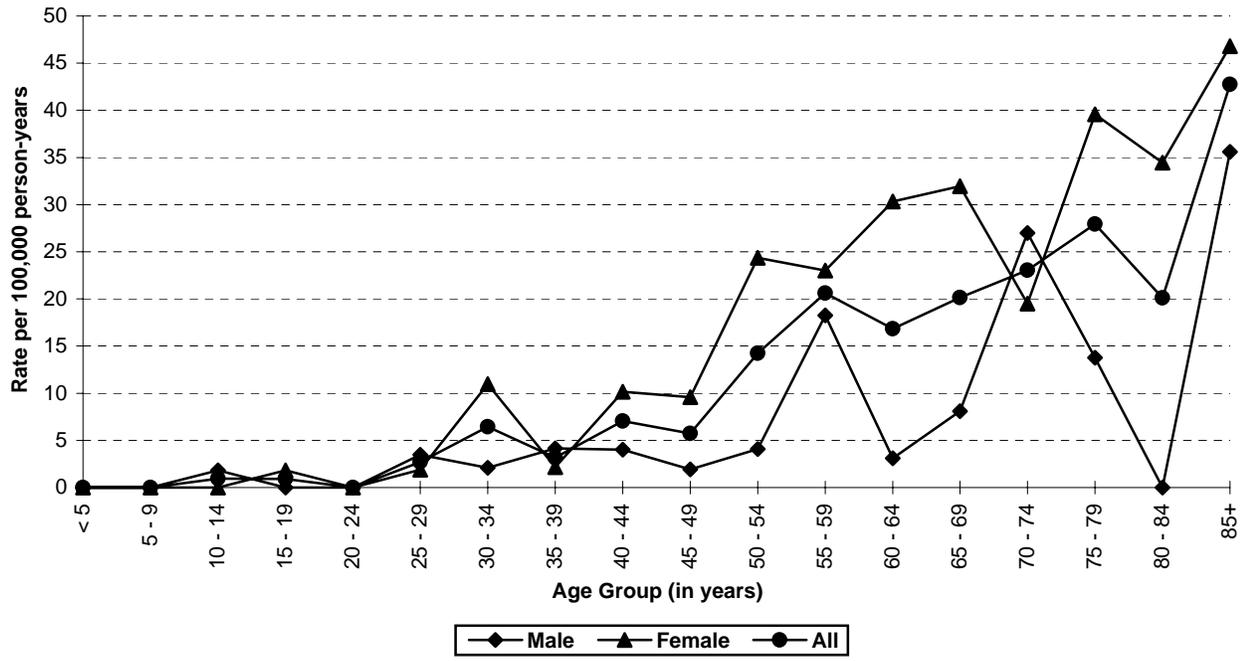
In 2007, as a result of Public Law 107-260, the publication *United States Cancer Statistics 2004 Incidence and Mortality* began to include tables for non-malignant brain tumors. Until this time, the only reference data were from the Central Brain Tumor Registry of the United States (CBTRUS), which has reported on data submitted from eighteen state central cancer registries, including Idaho.

Special Notes

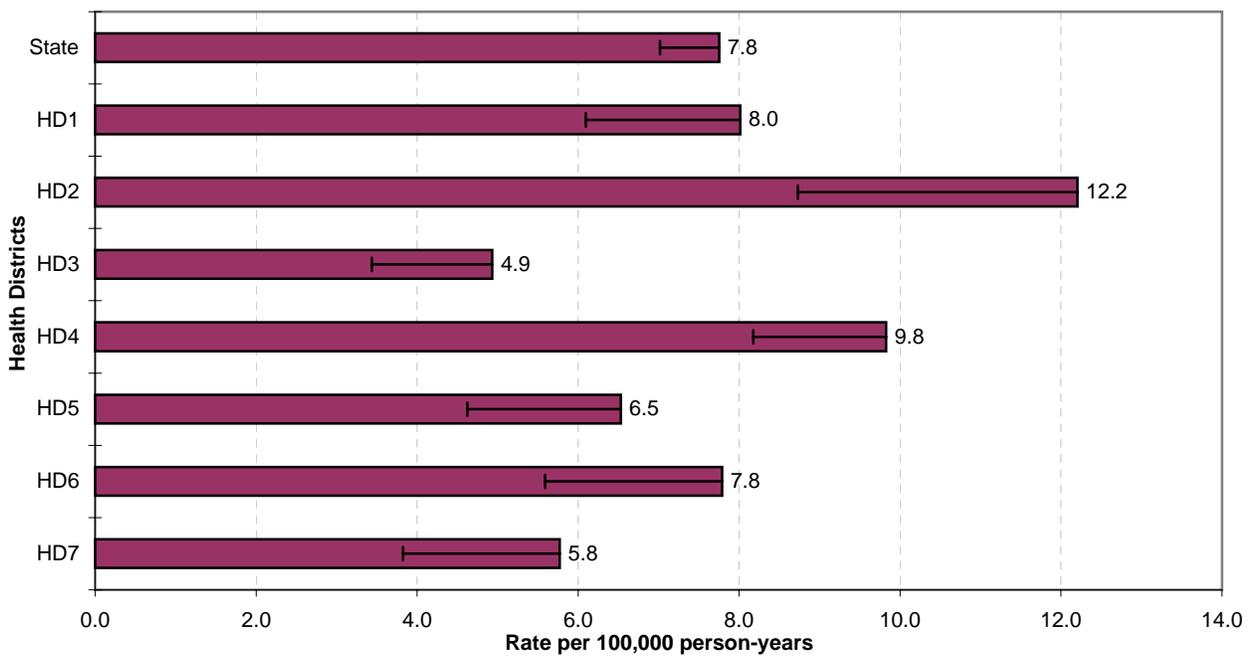
Mean age-adjusted incidence rate across health districts:	7.9	
95% confidence interval on the mean age-adjusted incidence rate:	6.0-	9.7
Median age-adjusted incidence rate of health districts:	7.8	
Range of age-adjusted incidence rate for health districts:	4.9-	12.2
SEER 17 rate (2005, all races):	8.8	
USCS rate (2004, all races):	10.3	

No health districts had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.

**State Brain & other CNS non-Malignant Incidence
Age-specific Rates**



**Brain & other CNS non-Malignant Incidence
Age-adjusted Rates by Health District**



BREAST

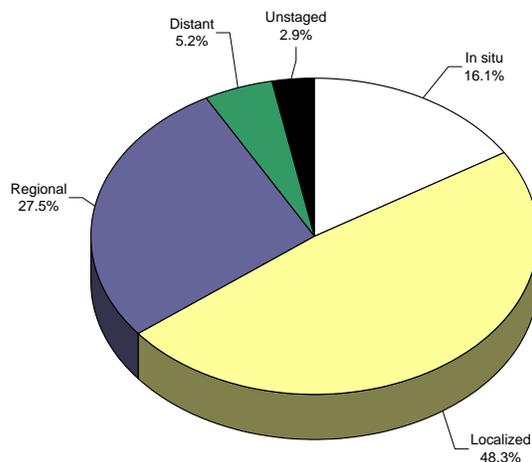
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	63.8	3.2	119.7
# of new invasive cases	916	20	896
# of new in-situ cases	174	0	174
# of deaths	159	1	158

Total Cases By County

Ada	271	Cassia	4	Lewis	2
Adams	2	Clark	-	Lincoln	4
Bannock	43	Clearwater	12	Madison	7
Bear Lake	6	Custer	-	Minidoka	17
Benewah	5	Elmore	20	Nez Perce	41
Bingham	30	Franklin	12	Oneida	4
Blaine	19	Fremont	8	Owyhee	8
Boise	6	Gem	10	Payette	19
Bonner	38	Gooding	15	Power	11
Bonneville	69	Idaho	16	Shoshone	10
Boundary	6	Jefferson	12	Teton	3
Butte	1	Jerome	14	Twin Falls	69
Camas	2	Kootenai	120	Valley	6
Canyon	103	Latah	26	Washington	6
Caribou	4	Lemhi	5		

Stage at Diagnosis - Breast



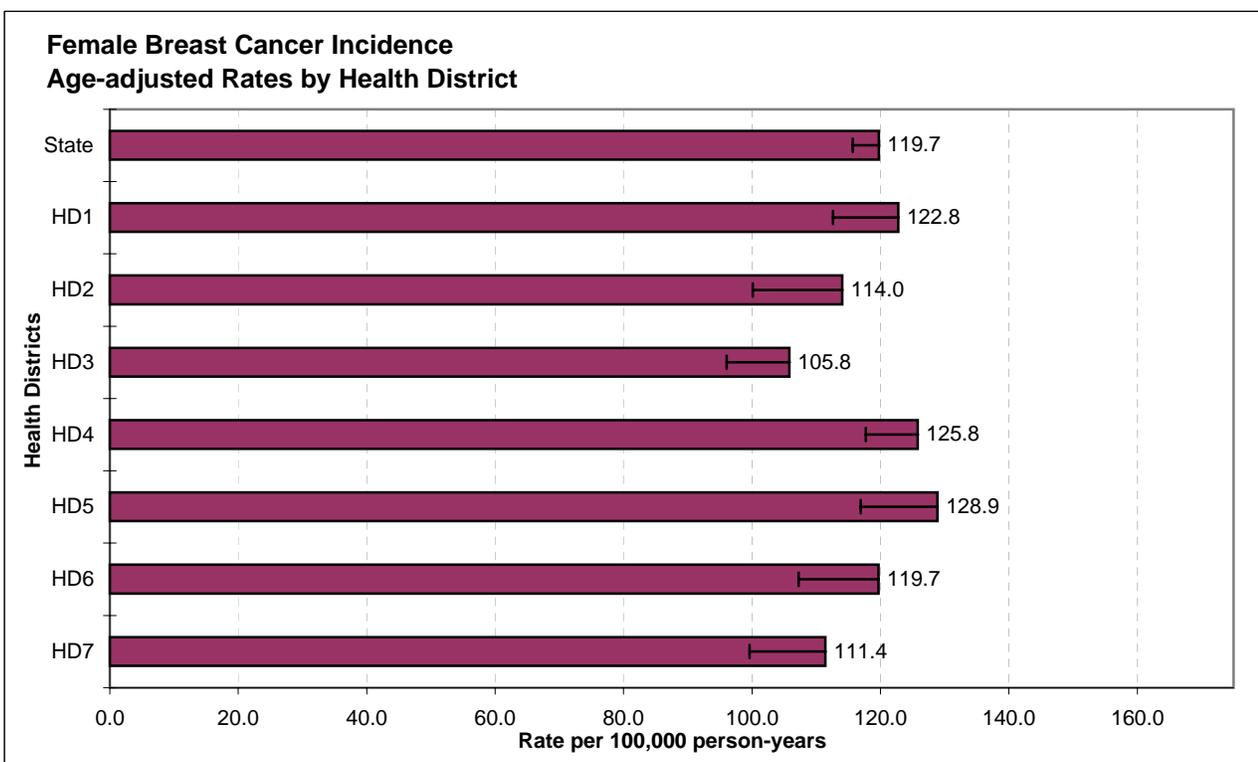
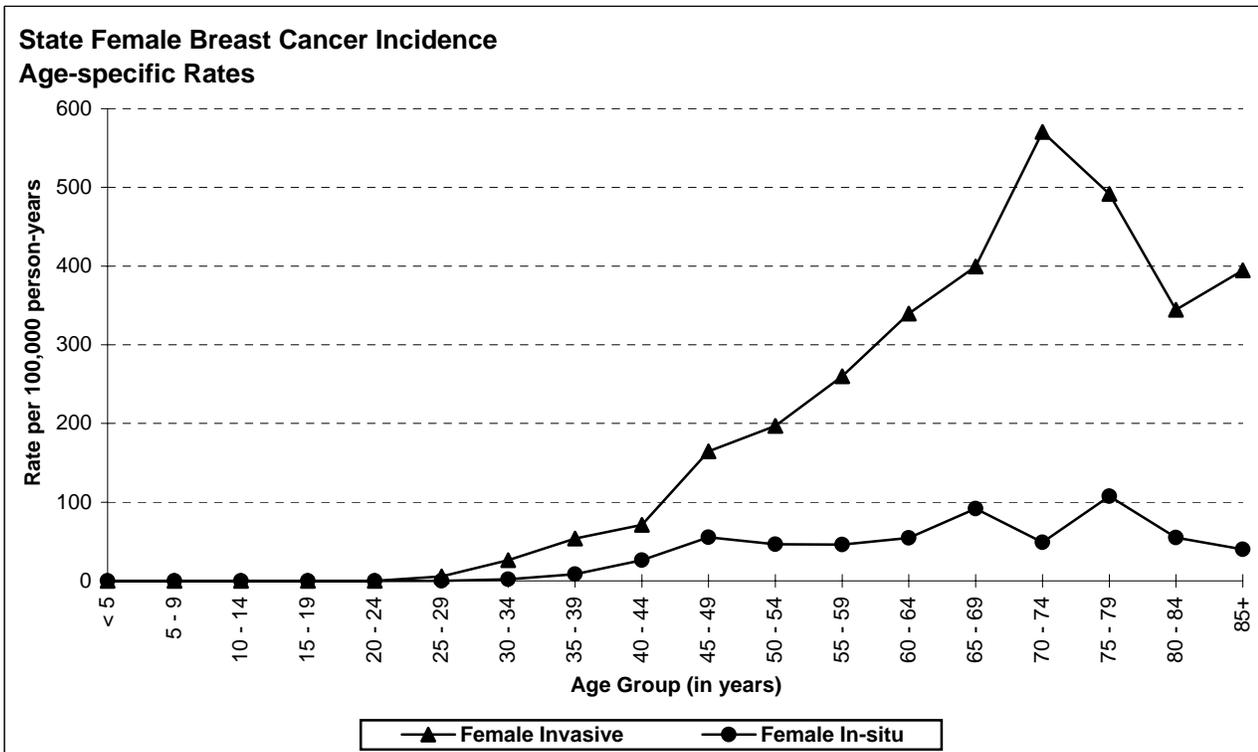
Risk and Associated Factors

Age	Rates increase steadily with age. Age is the single most important risk factor for breast cancer. A 60-year-old white American woman's risk of developing breast cancer is fourteen times that of a 30-year-old American woman.
Race & SES	Caucasians have higher incidence rates, as do women in higher income groups.
Genetics	Specific genes associated with breast cancers have been identified and are being studied. Identical twins of women with breast cancer have triple the risk of getting the disease themselves.
Hormonal	There is evidence of hormonal influence in the risk of developing breast cancer. Longer intervals of menarche to the first full-term pregnancy and menarche to menopause, as well as menarche before age 13, have been associated with higher risks of breast cancer. Cumulative estrogen exposure, including use of hormone replacement therapy, increases breast cancer risk.
Other	Alcohol consumption, high dietary fat intake, obesity (in postmenopausal women), sedentary life-style, and having a mother or sister with breast cancer have all been implicated as associated risk factors. Weight gain of 55 lbs or more after age 18 is associated with a 45% increased risk. The recent decrease in breast cancer rates may be due to a drop in hormone replacement therapy.

Special Notes

Mean age-adjusted incidence rate across health districts:	118.3
95% confidence interval on the mean age-adjusted incidence rate:	112.2- 124.5
Median age-adjusted incidence rate of health districts:	119.7
Range of age-adjusted incidence rate for health districts:	105.8- 128.9
SEER 17 rate (2005, all races):	121.6
USCS rate (2004, all races):	117.7

The vast majority of breast cancer cases occur among females. In Idaho during the year 2006, there were 20 cases of invasive breast cancer among males. The age-specific incidence rates of female breast cancer in Idaho in 2006 increased with age, peaking in the age group 70-74 for invasive cases. No cases were observed in women less than 25 years of age. No health districts had statistically significantly more, or fewer, cases of invasive female breast cancer than expected based upon rates for the remainder of Idaho.



CERVIX

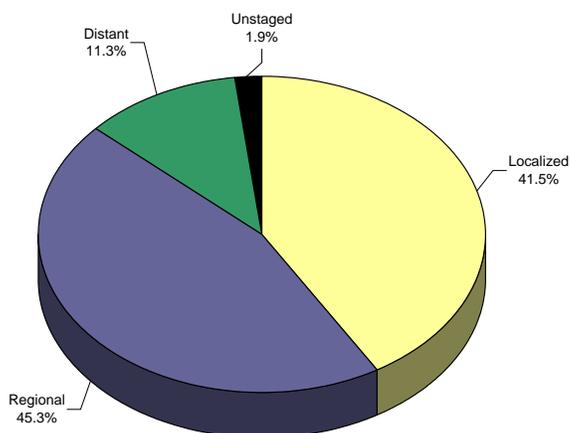
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	-	-	7.6
# of new invasive cases	-	-	53
# of new in-situ cases	-	-	n/a
# of deaths	-	-	12

Total Cases By County

Ada	13	Cassia	1	Lewis	-
Adams	-	Clark	-	Lincoln	-
Bannock	3	Clearwater	-	Madison	2
Bear Lake	-	Custer	-	Minidoka	-
Benewah	-	Elmore	1	Nez Perce	1
Bingham	-	Franklin	-	Oneida	-
Blaine	1	Fremont	-	Owyhee	1
Boise	1	Gem	2	Payette	2
Bonner	2	Gooding	-	Power	-
Bonneville	4	Idaho	1	Shoshone	-
Boundary	-	Jefferson	2	Teton	-
Butte	-	Jerome	-	Twin Falls	5
Camas	-	Kootenai	6	Valley	-
Canyon	4	Latah	-	Washington	-
Caribou	-	Lemhi	1		

Stage at Diagnosis - Cervix



Risk and Associated Factors

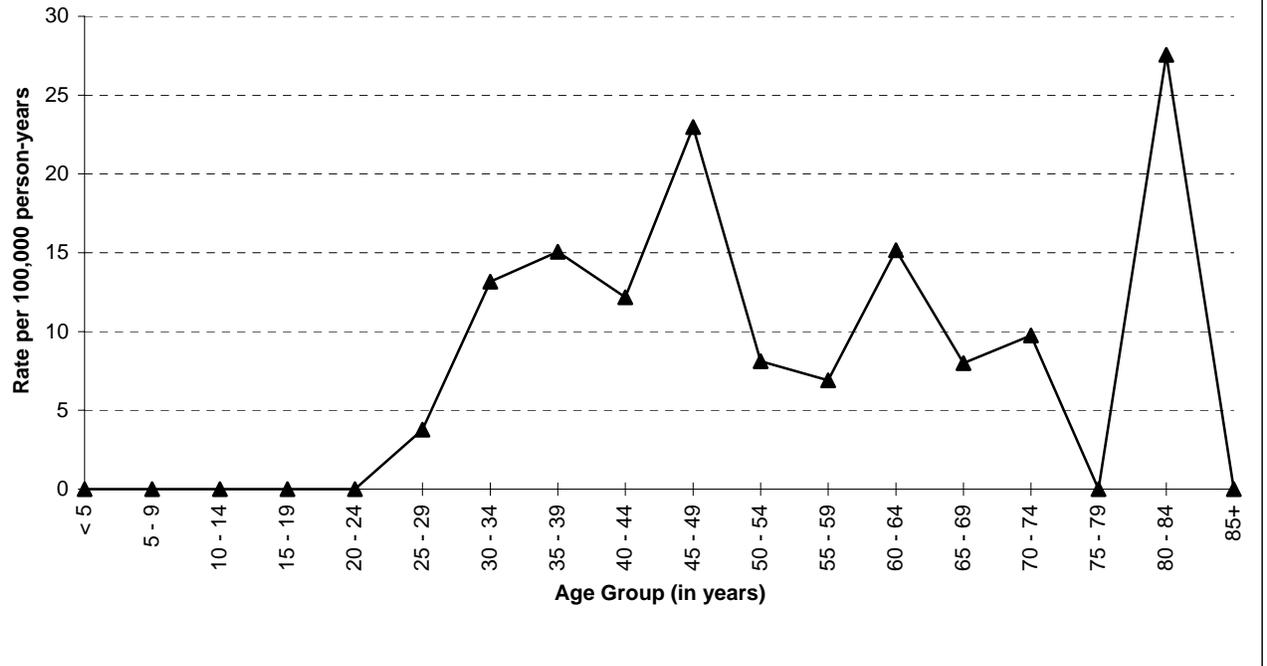
Age	Cervical cancer occurs in adult women of any age. However, the majority of invasive cases are diagnosed in older women.
Race & SES	African Americans, Hispanics, and women in lower income groups have been shown to experience higher rates.
Other	The large majority of cervical cancer cases worldwide can be attributed to human papilloma virus (HPV) infection. Of the at least 70 types of HPV known, types 16 and 18 are most closely associated with malignancy. Other risk factors that may be correlates, cofactors, or independent risk factors of HPV infection include: early age at first intercourse (less than 16 years old), a history of multiple sexual partners, a large number of pregnancies, oral contraceptive use, a history of other sexually transmitted diseases, and the presence of other genital tract neoplasia. Exposure to cigarette smoke is also a known risk factor, although by unknown mechanisms. Diethylstilbestrol use during pregnancy increased clear-cell adenocarcinoma in daughters exposed in utero.

Special Notes

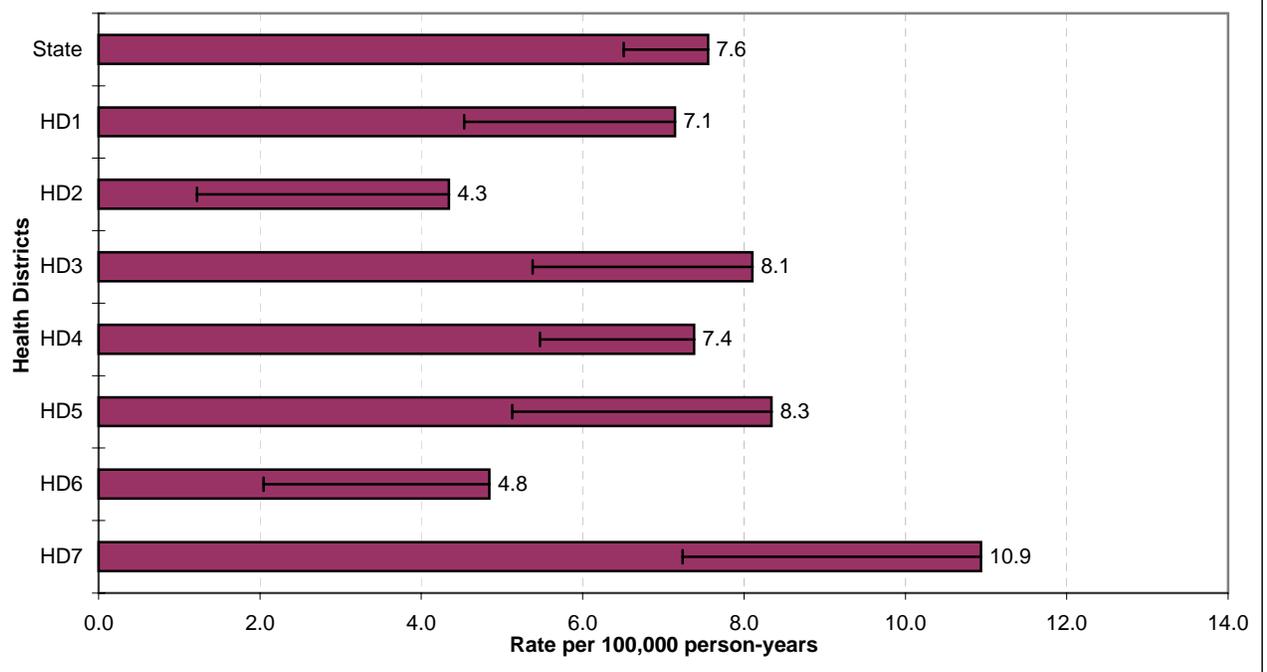
Mean age-adjusted incidence rate across health districts:	7.3
95% confidence interval on the mean age-adjusted incidence rate:	5.6- 8.9
Median age-adjusted incidence rate of health districts:	7.4
Range of age-adjusted incidence rate for health districts:	4.3- 10.9
SEER 17 rate (2005, all races):	8.0
USCS rate (2004, all races):	7.9

Increased screening with routine Pap tests, particularly among older and low-income women, has increased diagnostic rates and helped to reduce the incidence of invasive disease. Today, the vast majority of cases in younger women is diagnosed before the invasive stage, with cure rates approaching 100%. These pre-invasive cases are not included in this report. No health district had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.

**State Cervical Cancer Incidence
Age-specific Rates**



**Cervical Cancer Incidence
Age-adjusted Rates by Health District**



COLORECTAL

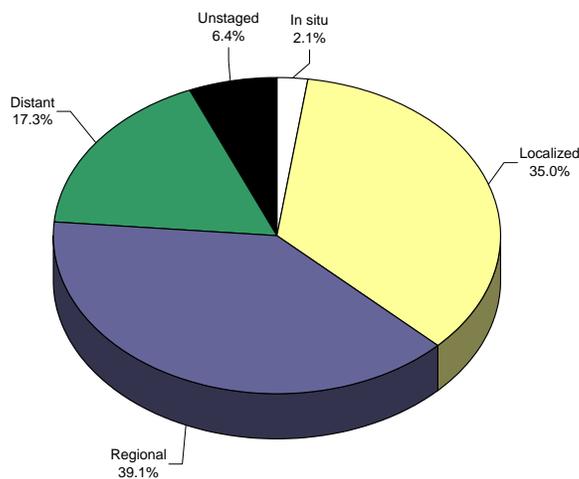
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	39.2	40.6	38.0
# of new invasive cases	553	265	288
# of new in-situ cases	12	9	3
# of deaths	197	107	90

Total Cases By County

Ada	117	Cassia	5	Lewis	6
Adams	2	Clark	-	Lincoln	2
Bannock	29	Clearwater	8	Madison	5
Bear Lake	3	Custer	-	Minidoka	6
Benewah	3	Elmore	11	Nez Perce	24
Bingham	15	Franklin	2	Oneida	1
Blaine	3	Fremont	5	Owyhee	6
Boise	6	Gem	14	Payette	9
Bonner	19	Gooding	5	Power	3
Bonneville	33	Idaho	9	Shoshone	10
Boundary	10	Jefferson	6	Teton	2
Butte	3	Jerome	5	Twin Falls	33
Camas	-	Kootenai	63	Valley	6
Canyon	54	Latah	9	Washington	7
Caribou	1	Lemhi	2		

Stage at Diagnosis - Colorectal



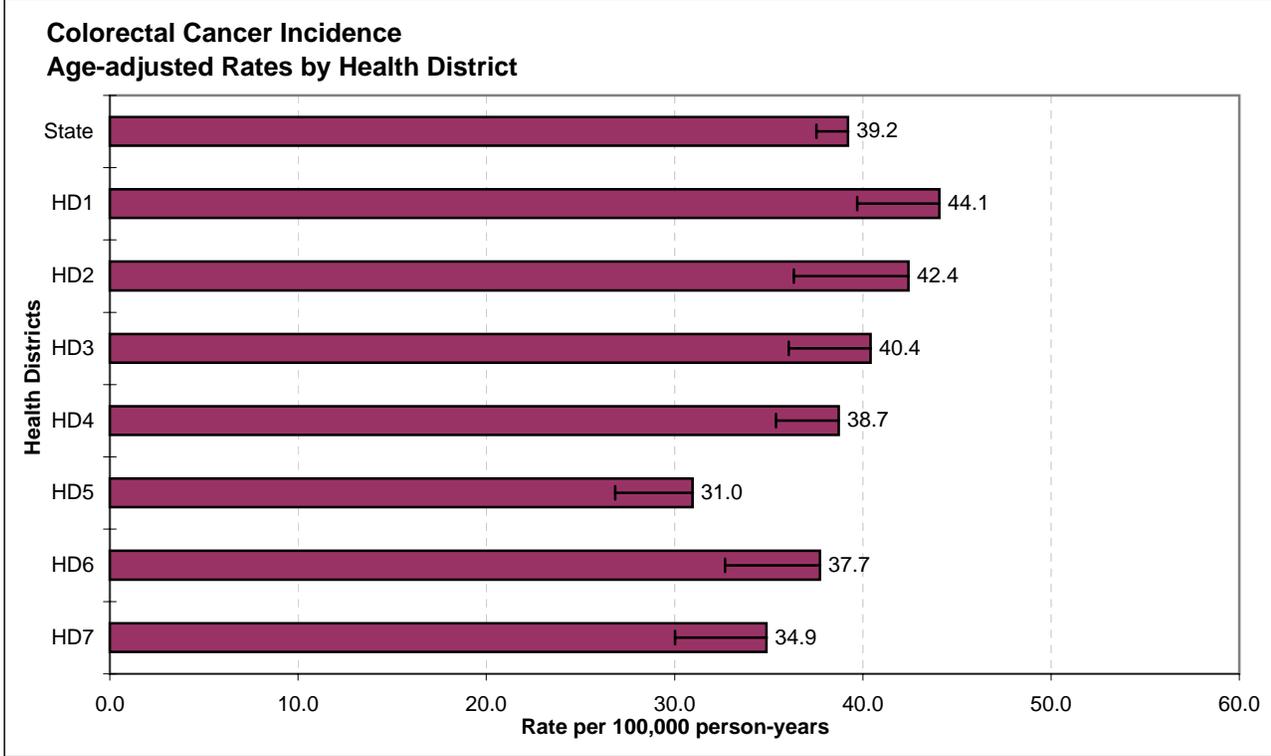
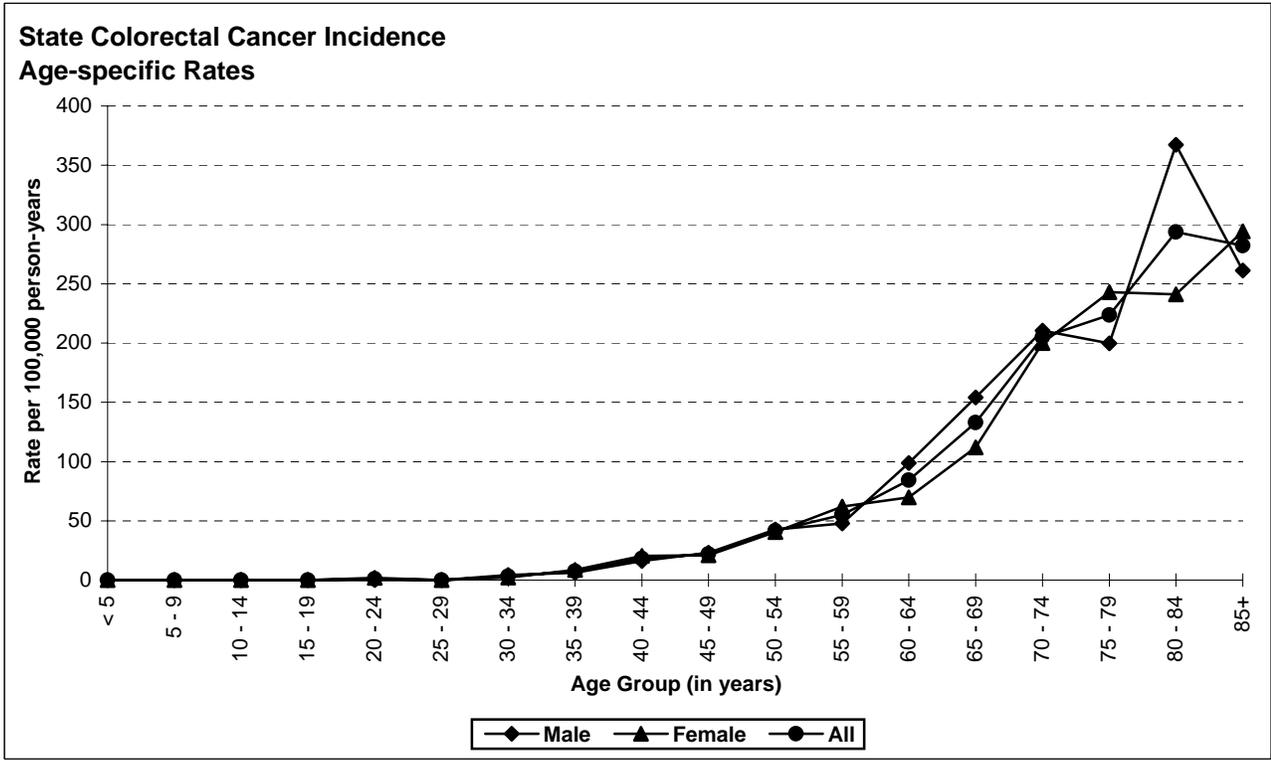
Risk and Associated Factors

Age	Rates increase with age; the vast majority of cases occur after age 50.
Gender	Incidence rates are slightly higher in males.
Genetics	It is estimated that 65-85% of colorectal cancer cases are sporadic, 10-30% are familial, and the remainder are the result of specific rare genetic disorders such as Lynch Syndrome.
Diet	There is strong evidence that high calorie diets and diets high in fat and low in fiber contribute to higher risks of colon cancer.
Other	Individuals with a close family history of this cancer and those with a personal history of certain other cancers are at increased risk. Physical inactivity, obesity, and tobacco use are known risk factors for colorectal cancer. The use of NSAIDs, including aspirin, may help prevent colon cancer. Inflammatory bowel disease confers a 4- to 20-fold increase in colorectal cancer risk, with younger age at diagnosis.

Special Notes

Mean age-adjusted incidence rate across health districts:	38.5
95% confidence interval on the mean age-adjusted incidence rate:	35.1- 41.8
Median age-adjusted incidence rate of health districts:	38.7
Range of age-adjusted incidence rate for health districts:	31.0- 44.1
SEER 17 rate (2005, all races):	47.3
USCS rate (2004, all races):	49.5

Few cases of colorectal cancer were diagnosed in persons less than 35 years of age. There was a steep increase in age-specific incidence rates starting at age 55. No health district had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.



CORPUS UTERI

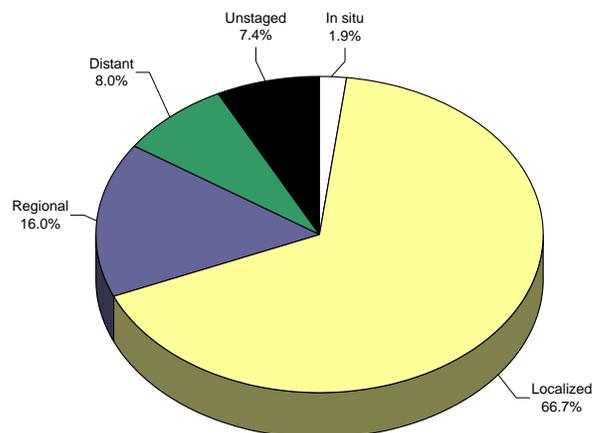
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	-	-	20.9
# of new invasive cases	-	-	159
# of new in-situ cases	-	-	3
# of deaths	-	-	13

Total Cases By County

Ada	37	Cassia	-	Lewis	1
Adams	-	Clark	-	Lincoln	1
Bannock	5	Clearwater	1	Madison	2
Bear Lake	1	Custer	-	Minidoka	2
Benewah	1	Elmore	1	Nez Perce	6
Bingham	7	Franklin	1	Oneida	1
Blaine	2	Fremont	2	Owyhee	1
Boise	1	Gem	2	Payette	1
Bonner	3	Gooding	1	Power	3
Bonneville	7	Idaho	6	Shoshone	5
Boundary	3	Jefferson	5	Teton	-
Butte	-	Jerome	4	Twin Falls	10
Camas	-	Kootenai	15	Valley	-
Canyon	16	Latah	3	Washington	1
Caribou	2	Lemhi	1		

Stage at Diagnosis - Corpus Uteri



Risk and Associated Factors

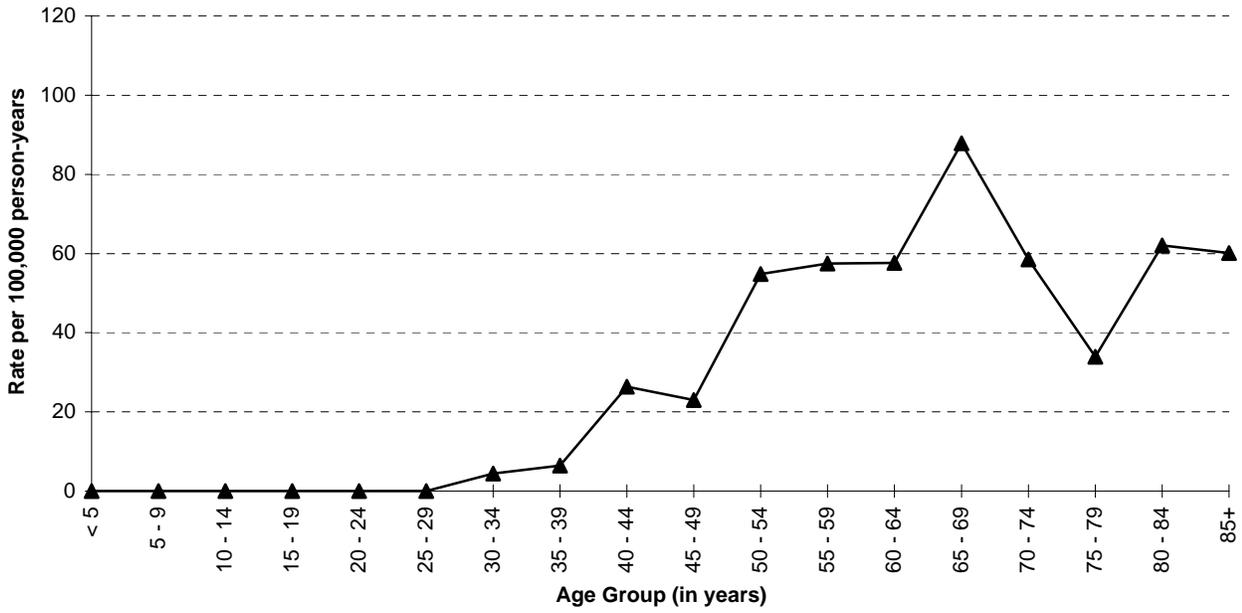
Age	Occurs predominantly after menopause, with median age 58 and peaking at the 65 to 75 age group.
Race & SES	Caucasian women have higher rates than African American or Asian women in the U.S.
Genetics	Familial tendency has been observed, but likely accounts for a small fraction of cases.
Diet	Dietary fat may play a role in increased risk. Obesity and hypertension are common associated conditions of endometrial cancer.
Hormonal	Factors that elevate levels of estrogen or decrease progesterone levels enhance the risk. Women who have never carried a pregnancy to term are at a relatively high risk. Risk decreases as the number of pregnancies increases. An increased incidence of endometrial cancer has been found in association with prolonged, unopposed estrogen exposure as well as with tamoxifen treatment of breast cancer. Use of combination oral contraceptives (estrogen and progestin) decreases risk of endometrial cancer by about 50%.

Special Notes

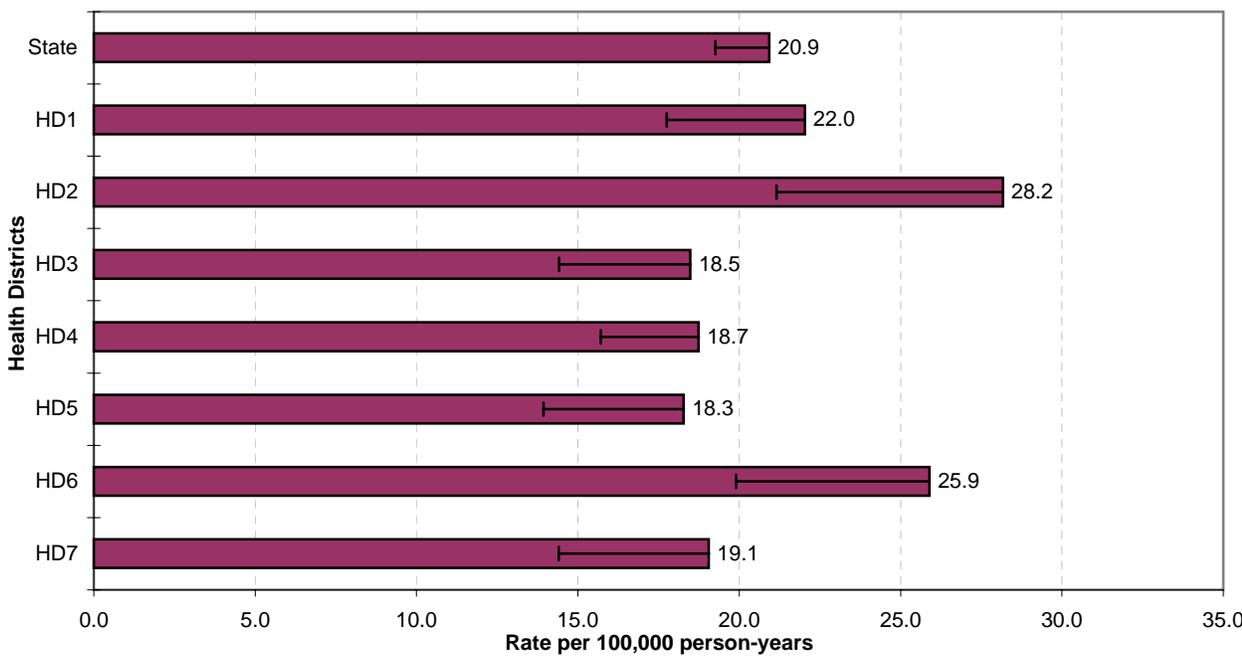
Mean age-adjusted incidence rate across health districts:	21.5
95% confidence interval on the mean age-adjusted incidence rate:	18.5- 24.5
Median age-adjusted incidence rate of health districts:	19.1
Range of age-adjusted incidence rate for health districts:	18.3- 28.2
SEER 17 rate (2005, all races):	23.6
USCS rate (2004, all races):	22.4

Few cases of endometrial cancer were diagnosed in persons less than 35 years of age. After age 49, there was a sharp increase in age-specific rates, peaking in the age group 65-69. No health district had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.

**State Corpus Uteri Cancer Incidence
Age-specific Rates**



**Corpus Uteri Cancer Incidence
Age-adjusted Rates by Health District**



ESOPHAGUS

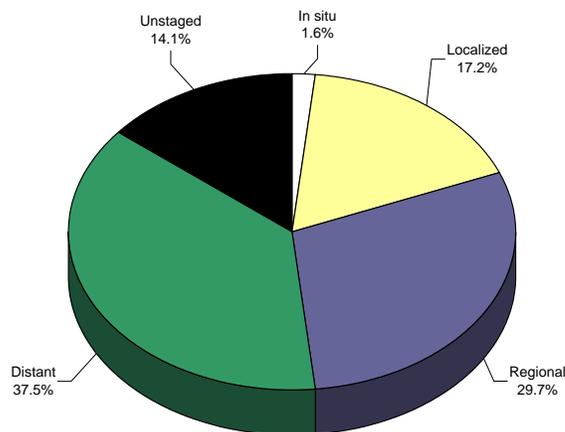
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	4.4	7.8	1.4
# of new invasive cases	63	52	11
# of new in-situ cases	1	1	0
# of deaths	77	63	14

Total Cases By County

Ada	12	Cassia	-	Lewis	-
Adams	-	Clark	-	Lincoln	-
Bannock	2	Clearwater	-	Madison	-
Bear Lake	-	Custer	-	Minidoka	2
Benewah	1	Elmore	1	Nez Perce	5
Bingham	-	Franklin	-	Oneida	-
Blaine	3	Fremont	-	Owyhee	1
Boise	1	Gem	1	Payette	-
Bonner	4	Gooding	1	Power	-
Bonneville	3	Idaho	-	Shoshone	2
Boundary	2	Jefferson	2	Teton	-
Butte	-	Jerome	1	Twin Falls	3
Camas	-	Kootenai	8	Valley	-
Canyon	6	Latah	2	Washington	1
Caribou	-	Lemhi	-		

Stage at Diagnosis - Esophagus



Risk and Associated Factors

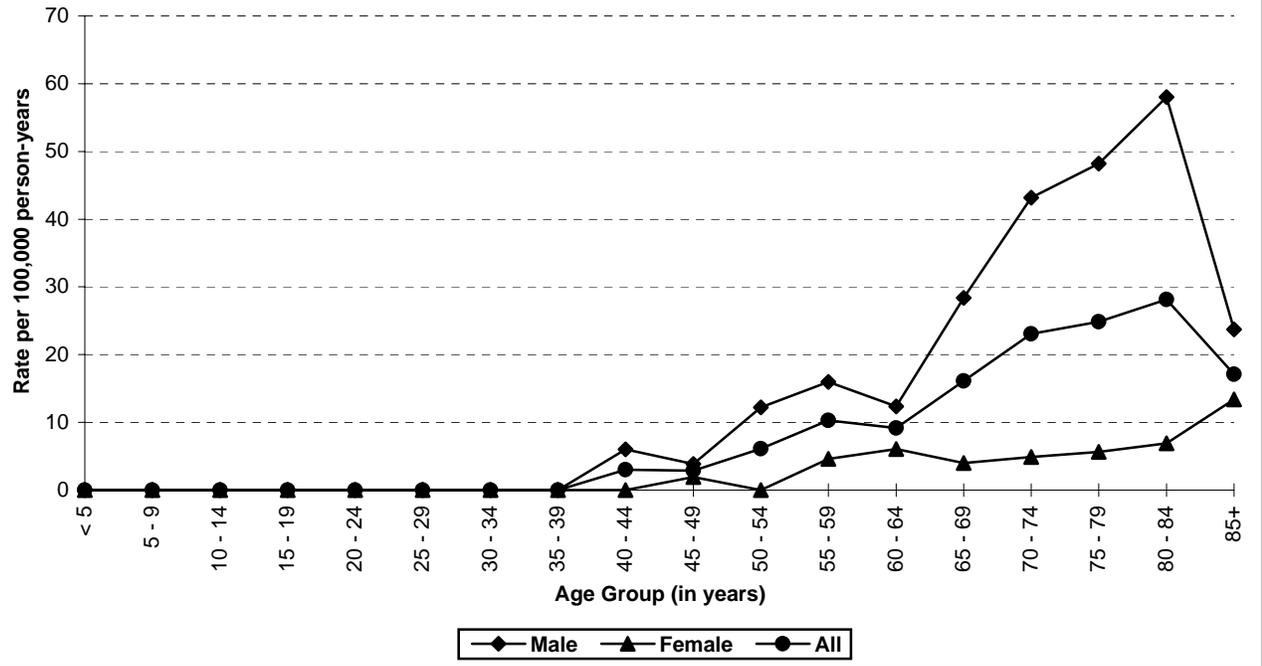
Age	Incidence of esophageal cancer is highest after age 55.
Gender	It is predominantly a disease of the male, with male-to-female ratios of about 3:1 or more.
Race & SES	United States data show that African Americans are affected more than Caucasians. Risk is higher among lower SES strata.
Occupation	Chimney sweeps exposed to soot are at higher risk.
Other	Tobacco use (cigarettes or spit tobacco) and heavy alcohol consumption are major risk factors for cancer of the esophagus. The risk is particularly increased when these two factors are both present. In Western Europe and North America, 90% or more of the risk of esophageal cancer can be attributed to alcohol and tobacco. Drinking "burning hot" beverages may increase the risk of esophageal cancer.

Special Notes

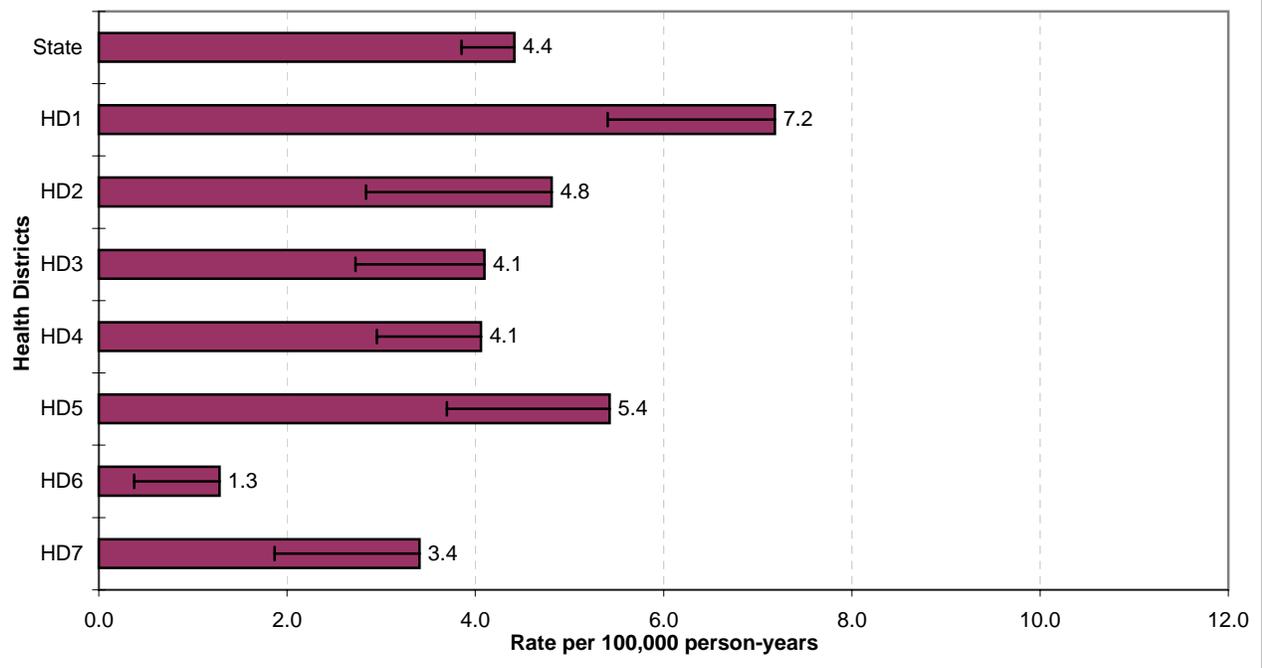
Mean age-adjusted incidence rate across health districts:	4.3
95% confidence interval on the mean age-adjusted incidence rate:	3.0- 5.7
Median age-adjusted incidence rate of health districts:	4.1
Range of age-adjusted incidence rate for health districts:	1.3- 7.2
SEER 17 rate (2005, all races):	4.3
USCS rate (2004, all races):	5.0

No cases of esophageal cancer were diagnosed in person less than 35 years of age. The age-specific incidence rates peaked in the age group 80-84 for males and 85+ for females. Health District 1 had statistically significantly more cases than expected based upon rates for the remainder of Idaho, and Health District 6 had significantly fewer cases than expected based upon rates for the remainder of Idaho.

**State Esophageal Cancer Incidence
Age-specific Rates**



**Esophageal Cancer Incidence
Age-adjusted Rates by Health District**



HODGKIN LYMPHOMA

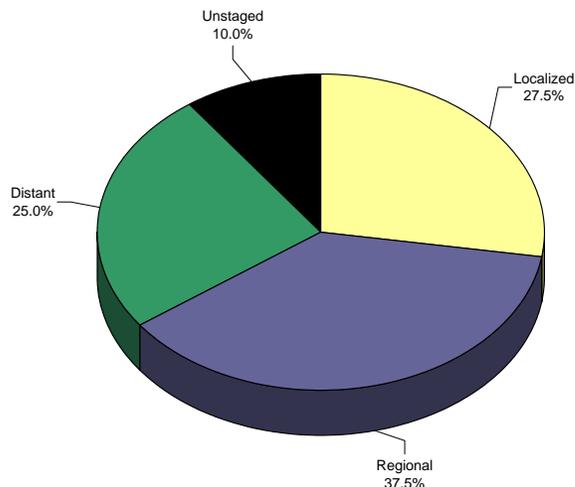
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	2.7	2.6	3.0
# of new invasive cases	40	19	21
# of new in-situ cases	0	0	0
# of deaths	2	2	0

Total Cases By County

Ada	7	Cassia	-	Lewis	-
Adams	-	Clark	-	Lincoln	-
Bannock	1	Clearwater	-	Madison	1
Bear Lake	-	Custer	-	Minidoka	1
Benewah	-	Elmore	1	Nez Perce	2
Bingham	1	Franklin	-	Oneida	-
Blaine	-	Fremont	1	Owyhee	-
Boise	-	Gem	-	Payette	1
Bonner	6	Gooding	-	Power	-
Bonneville	2	Idaho	-	Shoshone	-
Boundary	-	Jefferson	2	Teton	-
Butte	-	Jerome	-	Twin Falls	3
Camas	-	Kootenai	4	Valley	-
Canyon	7	Latah	-	Washington	-
Caribou	-	Lemhi	-		

Stage at Diagnosis - Hodgkin Lymphoma



Risk and Associated Factors

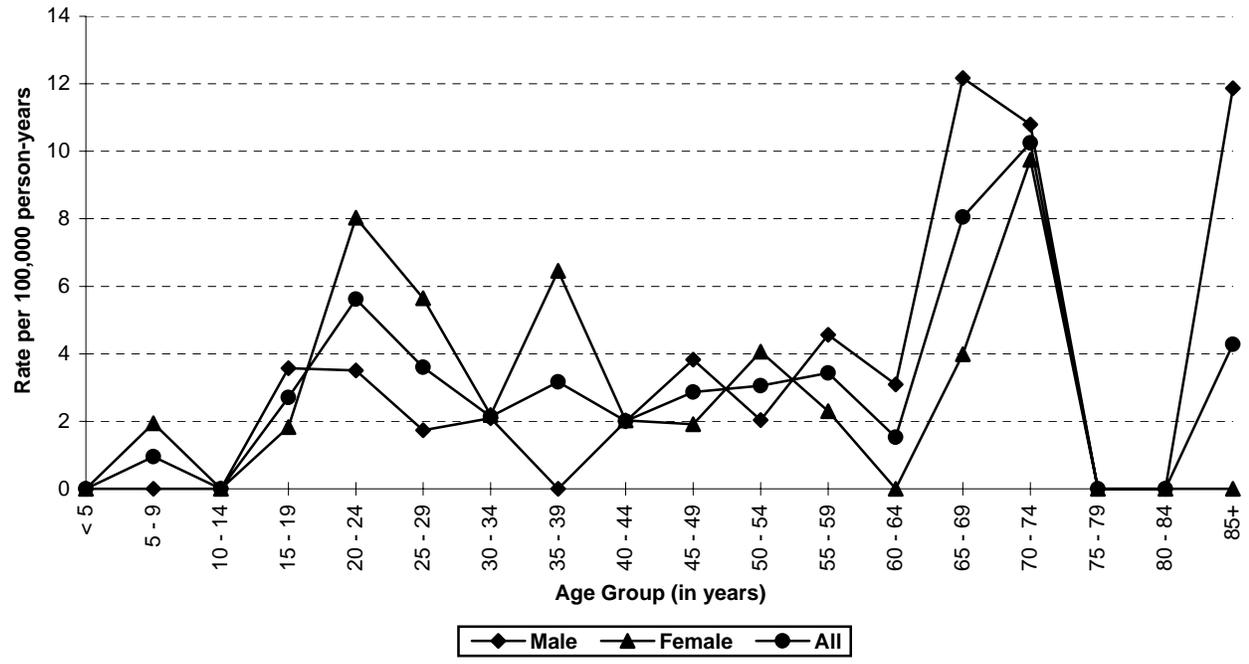
Age	High rates are seen in young adults and in later age groups especially among males.
Gender	Males typically have slightly higher rates than females.
Race & SES	Hodgkin lymphoma is more common among Caucasians than among African Americans. Hodgkin lymphoma is more common in higher income groups.
Genetics	Genetic factors are thought to play an important role in the etiology of Hodgkin lymphoma, but these are yet to be adequately defined.
Other	Small family size and ensuing delayed exposure to childhood infections is thought to be responsible for a portion of Hodgkin lymphoma cases. Certain viral infections, especially Epstein-Barr virus, and AIDS increase the risk of Hodgkin lymphoma. With current treatment, Hodgkin disease, which was once highly fatal, is among the most curable of all cancers.

Special Notes

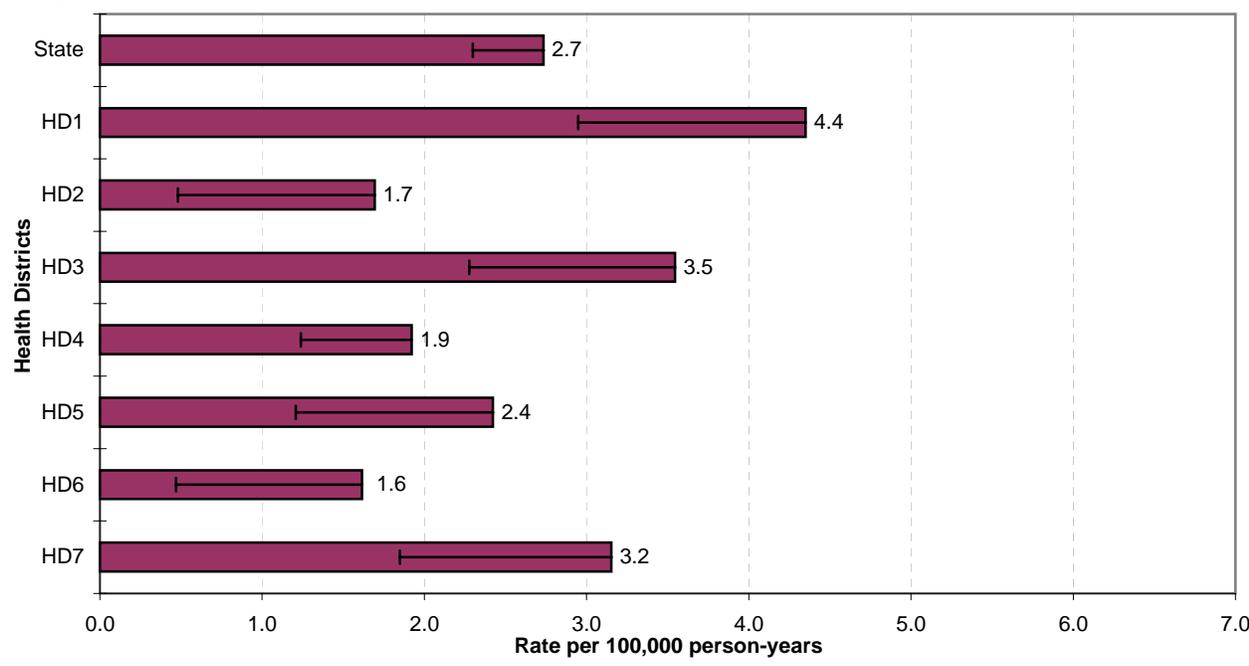
Mean age-adjusted incidence rate across health districts:	2.7
95% confidence interval on the mean age-adjusted incidence rate:	1.9- 3.4
Median age-adjusted incidence rate of health districts:	2.4
Range of age-adjusted incidence rate for health districts:	1.6- 4.4
SEER 17 rate (2005, all races):	2.8
USCS rate (2004, all races):	2.7

The age-related incidence of Hodgkin lymphoma is typically bimodal, usually with a peak in the late 20s to early 30s, and another peak in the ninth decade of life. This trend is difficult to discern in Idaho's population due to the relatively small number of cases observed annually, which increases the variability in age-specific rates. No health district had statistically significantly fewer or more cases than expected based upon rates for the remainder of Idaho.

**State Hodgkin Lymphoma Incidence
Age-specific Rates**



**Hodgkin Lymphoma Incidence
Age-adjusted Rates by Health District**



KIDNEY AND RENAL PELVIS

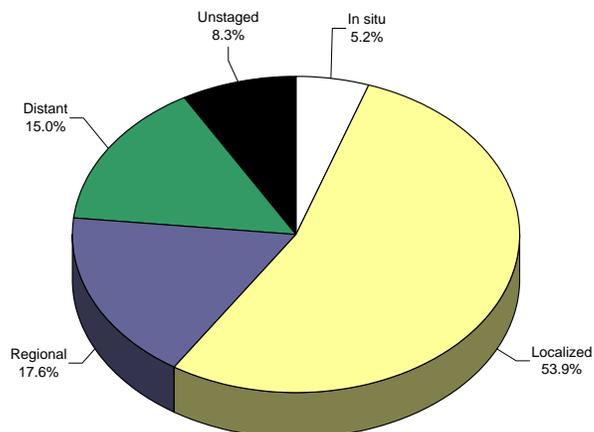
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	12.9	15.4	10.5
# of new invasive cases	183	104	79
# of new in-situ cases	10	4	6
# of deaths	60	36	24

Total Cases By County

Ada	50	Cassia	2	Lewis	-
Adams	1	Clark	-	Lincoln	-
Bannock	14	Clearwater	1	Madison	1
Bear Lake	-	Custer	-	Minidoka	1
Benewah	1	Elmore	2	Nez Perce	6
Bingham	4	Franklin	-	Oneida	-
Blaine	2	Fremont	3	Owyhee	2
Boise	1	Gem	2	Payette	1
Bonner	14	Gooding	1	Power	-
Bonneville	7	Idaho	1	Shoshone	1
Boundary	1	Jefferson	2	Teton	1
Butte	-	Jerome	3	Twin Falls	9
Camas	-	Kootenai	27	Valley	1
Canyon	29	Latah	1	Washington	-
Caribou	-	Lemhi	1		

Stage at Diagnosis - Kidney



Risk and Associated Factors

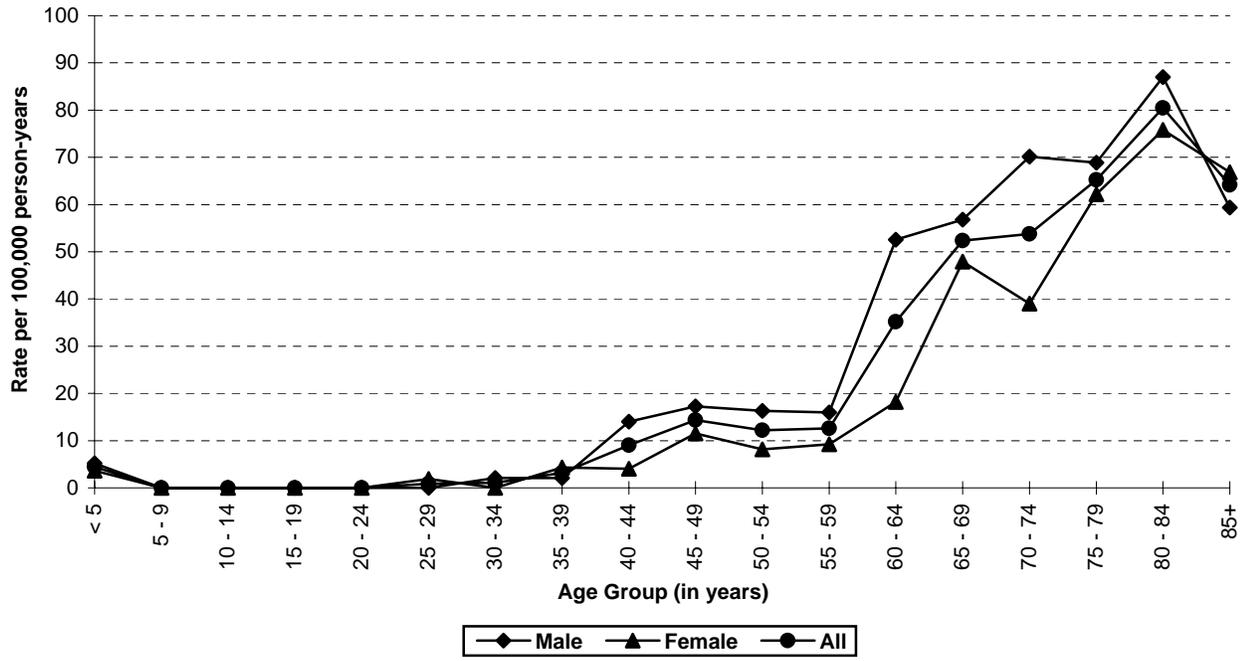
Age	Both adults and children are at risk for kidney cancer. Renal cell carcinoma accounts for about 80% of all adult kidney cancers. Wilm's tumor (nephroblastoma) affects predominantly children under age 5 and accounts for the majority of childhood kidney cancers.
Gender	Renal cell carcinoma affects males twice as often as females.
Genetics	Wilm's tumor often occurs with congenital defects.
Occupation	Certain occupations, such as laundry and leather workers, have been associated with increased risk due to chemical exposure.
Other	Cigarette smoking is strongly associated with renal pelvis and ureter cancers. Smokers are at twice the risk of developing kidney cancer as non-smokers. Analgesic mixtures containing phenacetin increase the risk of kidney cancer. Obesity is a risk factor for kidney cancer. High dietary protein consumption, independent of fat and calorie intake, may elevate kidney cancer risk.

Special Notes

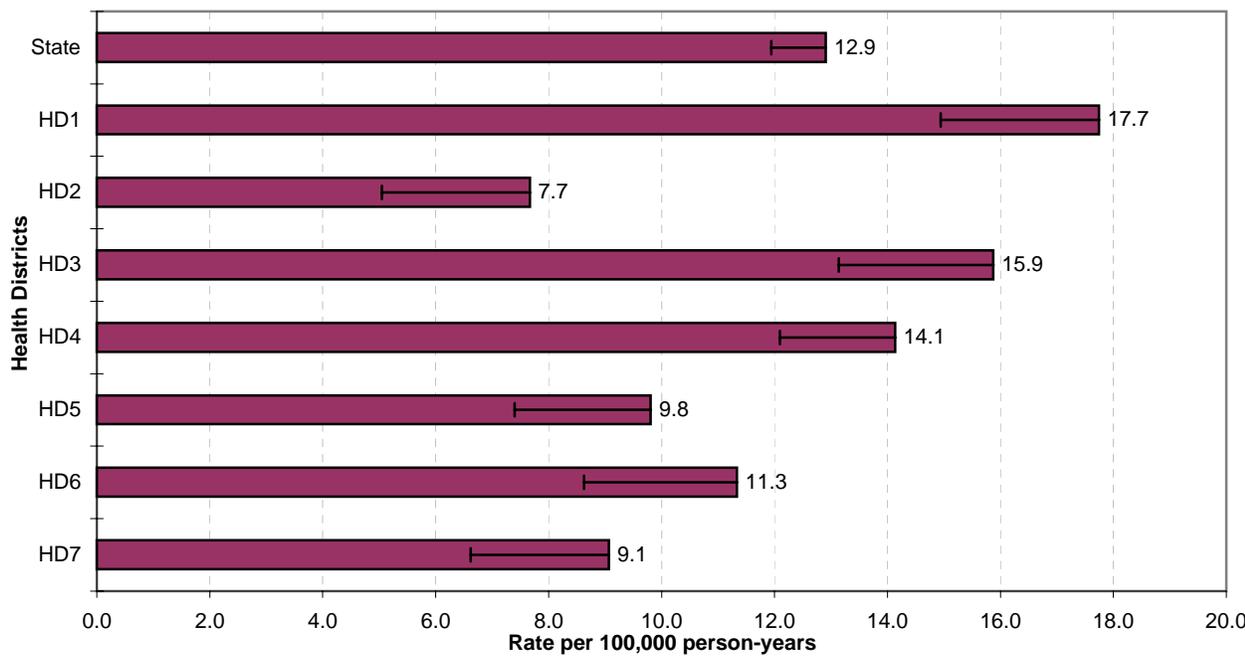
Mean age-adjusted incidence rate across health districts:	12.2
95% confidence interval on the mean age-adjusted incidence rate:	9.4- 15.0
Median age-adjusted incidence rate of health districts:	11.3
Range of age-adjusted incidence rate for health districts:	7.7- 17.7
SEER 17 rate (2005, all races):	13.6
USCS rate (2004, all races):	14.1

There were few cases of kidney or renal pelvis cancer among persons aged less than 35 years. The highest incidence among males and females was in the age group 80-84. Health District 1 had statistically significantly more cases than expected based upon rates for the remainder of Idaho.

**State Kidney & Renal Pelvis Cancer Incidence
Age-specific Rates**



**Kidney & Renal Pelvis Cancer Incidence
Age-adjusted Rates by Health District**



LARYNX

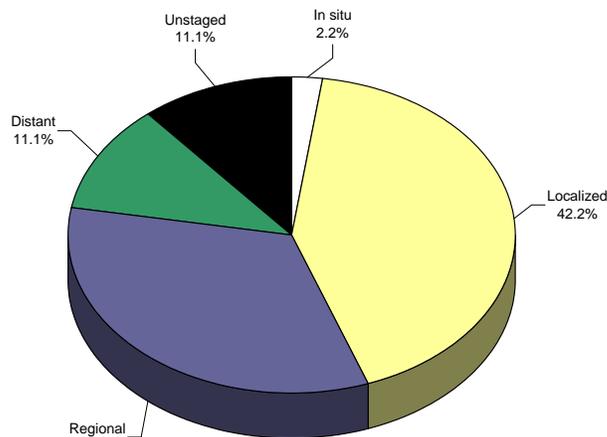
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	3.0	4.8	1.5
# of new invasive cases	44	33	11
# of new in-situ cases	1	1	0
# of deaths	15	11	4

Total Cases By County

Ada	8	Cassia	1	Lewis	-
Adams	-	Clark	-	Lincoln	-
Bannock	4	Clearwater	1	Madison	-
Bear Lake	-	Custer	-	Minidoka	-
Benewah	-	Elmore	1	Nez Perce	3
Bingham	1	Franklin	-	Oneida	-
Blaine	-	Fremont	-	Owyhee	1
Boise	-	Gem	1	Payette	1
Bonner	1	Gooding	-	Power	-
Bonneville	1	Idaho	-	Shoshone	2
Boundary	-	Jefferson	-	Teton	-
Butte	-	Jerome	-	Twin Falls	1
Camas	-	Kootenai	4	Valley	-
Canyon	10	Latah	-	Washington	-
Caribou	2	Lemhi	2		

Stage at Diagnosis - Larynx



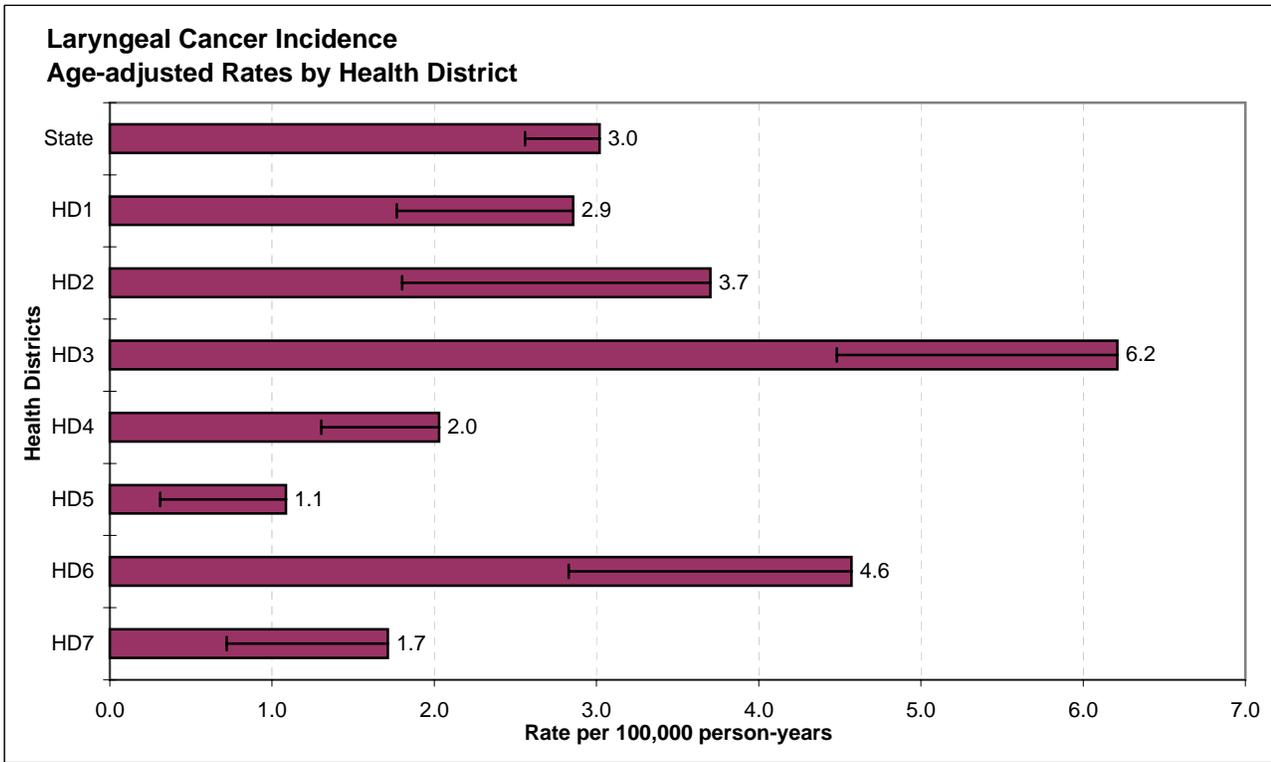
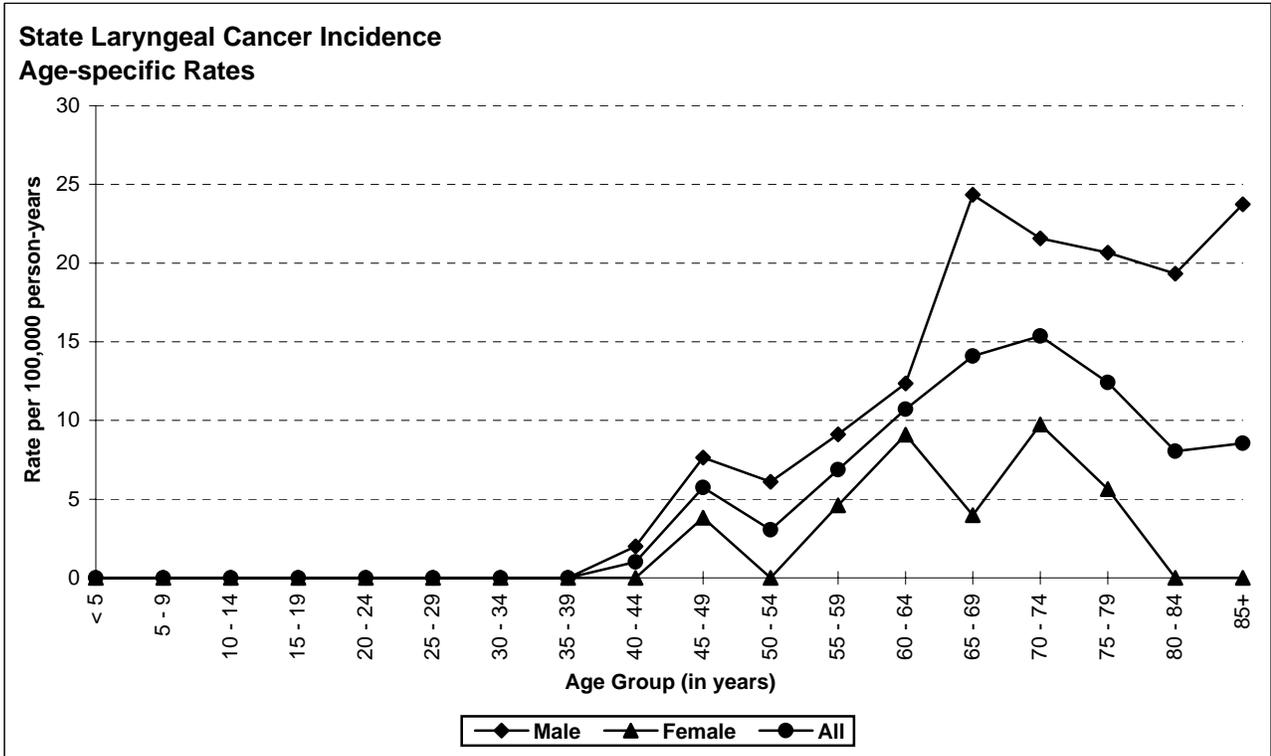
Risk and Associated Factors

Age	Rates increase with age, with the vast majority of cases occurring after age 55.
Gender	Laryngeal cancers are much more common in males than females.
Race & SES	Generally in the United States, African Americans have higher incidence rates than Caucasians. Lower income groups experience higher rates.
Occupation	Laryngeal cancer has been associated with exposures to asbestos and wood dust.
Diet	Diets low in fresh fruits and vegetables may increase the risk.
Other	Cigarette smoking and alcohol use are both major risk factors. The combination of alcohol consumption and tobacco use (smoking or spit tobacco) acts greatly to increase the risk. A patient with a single laryngeal cancer who continues to smoke and drink alcohol has an enhanced risk of developing a second laryngeal tumor.

Special Notes

Mean age-adjusted incidence rate across health districts:	3.2
95% confidence interval on the mean age-adjusted incidence rate:	1.8- 4.5
Median age-adjusted incidence rate of health districts:	2.9
Range of age-adjusted incidence rate for health districts:	1.1- 6.2
SEER 17 rate (2005, all races):	3.3
USCS rate (2004, all races):	4.1

There were few cases of laryngeal cancer among persons aged less than 45 years. The age-specific incidence rates for males were more than twice those for females in most age groups. The highest incidence rate among males was in the age group 65-69 and for females was in the age group 70-74. Health District 3 had statistically significantly more cases than expected based upon rates for the remainder of Idaho.



LEUKEMIA

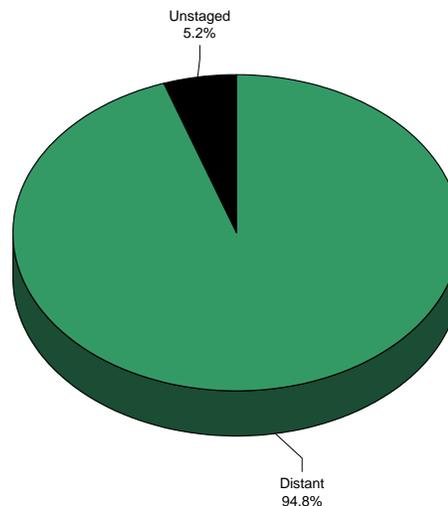
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	14.7	19.8	10.5
# of new invasive cases	212	132	80
# of new in-situ cases	0	0	0
# of deaths	116	67	49

Total Cases By County

Ada	52	Cassia	1	Lewis	1
Adams	-	Clark	-	Lincoln	-
Bannock	6	Clearwater	-	Madison	4
Bear Lake	2	Custer	1	Minidoka	7
Benewah	5	Elmore	7	Nez Perce	4
Bingham	1	Franklin	-	Oneida	1
Blaine	2	Fremont	-	Owyhee	1
Boise	-	Gem	7	Payette	4
Bonner	7	Gooding	1	Power	1
Bonneville	11	Idaho	3	Shoshone	5
Boundary	1	Jefferson	1	Teton	-
Butte	-	Jerome	4	Twin Falls	10
Camas	-	Kootenai	22	Valley	5
Canyon	30	Latah	1	Washington	-
Caribou	1	Lemhi	-		

Stage at Diagnosis - Leukemia



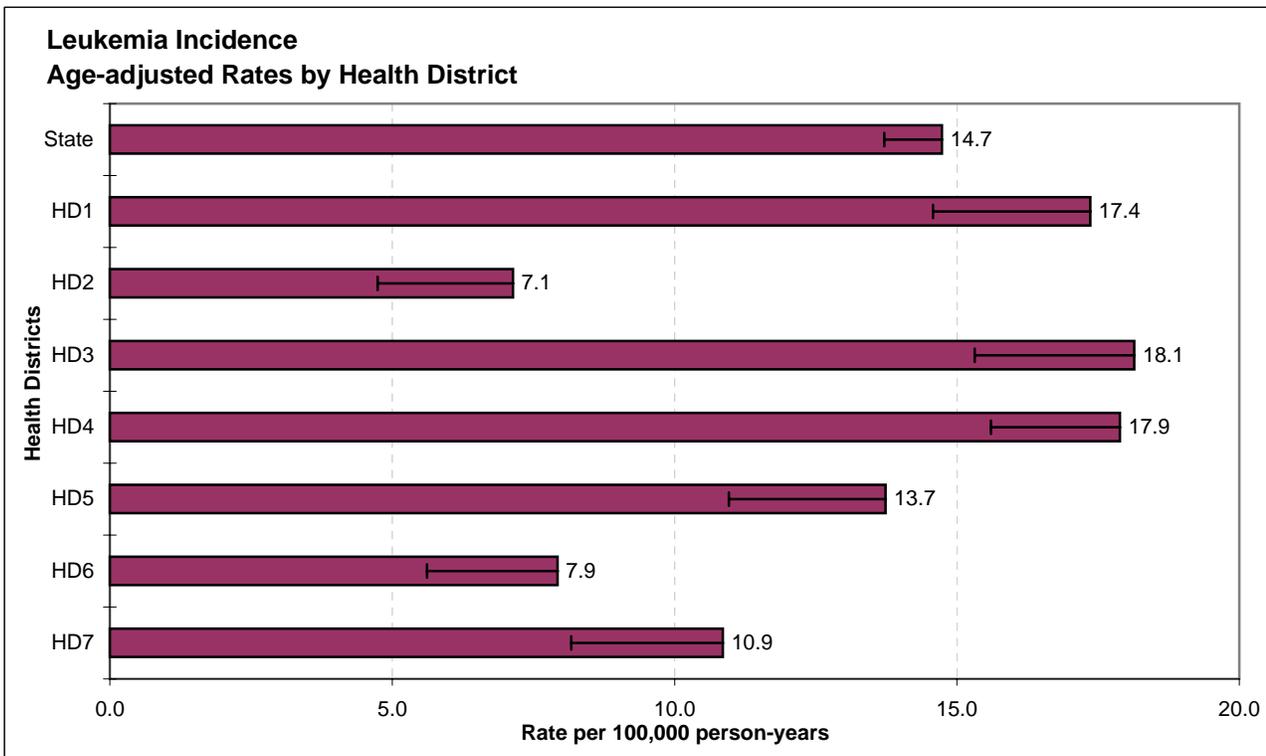
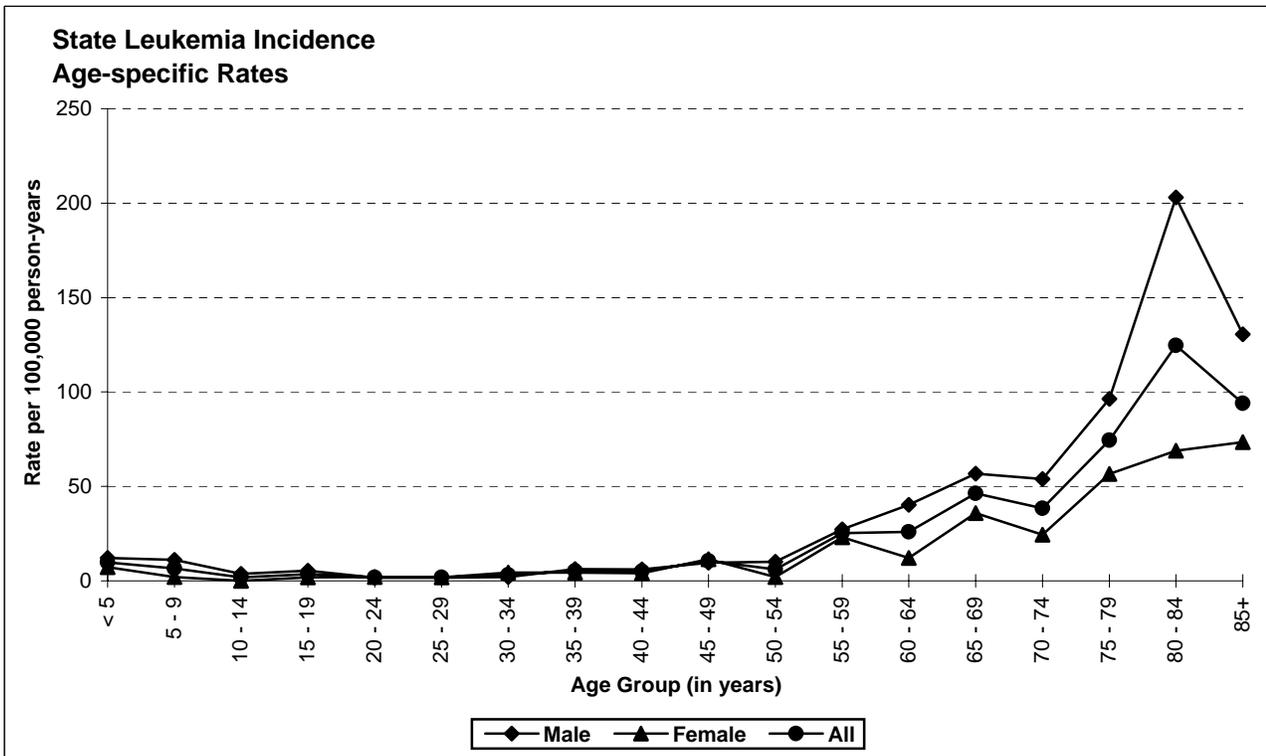
Risk and Associated Factors

Age	This is the most common form of cancer in children. Incidence usually increases with age in adults. The highest rates occur in individuals over age 60.
Gender	Males have higher incidence rates than females for chronic myelogenous leukemia (CML), acute lymphoblastic leukemia (ALL), and chronic lymphocytic leukemia (CLL).
Race	ALL is less common among African Americans. CLL is rare in Asians.
Genetics	Certain congenital defects, such as trisomy 21, Fanconi's anemia, Bloom syndrome, and ataxia-telangiectasia, increase risk in children for various types of leukemia.
Occupation	Benzene is a known cause of leukemia (predominantly acute myelogenous leukemia [AML]). Chimney sweeps exposed to soot are at higher risk.
Other	Ionizing radiation exposure increases the risk (except for CLL). Environmental exposure to low frequency, non-ionizing radiation and its association with leukemia incidence is being investigated. Treatment with some chemotherapeutic agents for other cancers increases the risk of leukemia. Exposure to herbicides used during the Vietnam War, including Agent Orange, has been associated with increased incidence of CLL. The antibiotic chloramphenicol likely causes leukemia. Autoimmune diseases and several viruses, including HTLV-I and EBV, have been linked to certain types of leukemia.

Special Notes

Mean age-adjusted incidence rate across health districts:	13.3
95% confidence interval on the mean age-adjusted incidence rate:	9.8- 16.8
Median age-adjusted incidence rate of health districts:	13.7
Range of age-adjusted incidence rate for health districts:	7.1- 18.1
SEER 17 rate (2005, all races):	11.4
USCS rate (2004, all races):	11.7

The age-specific incidence distribution of leukemia for Idaho is quite similar to the typical pattern described by the SEER program of the National Cancer Institute. The rates are higher for males than females for all types of leukemia with the exception of acute myelogenous leukemia (AML), which has no predilection for age or sex. Generally, the incidence of leukemia is higher in older age groups. Health Districts 2 and 6 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.



LIVER AND BILE DUCT

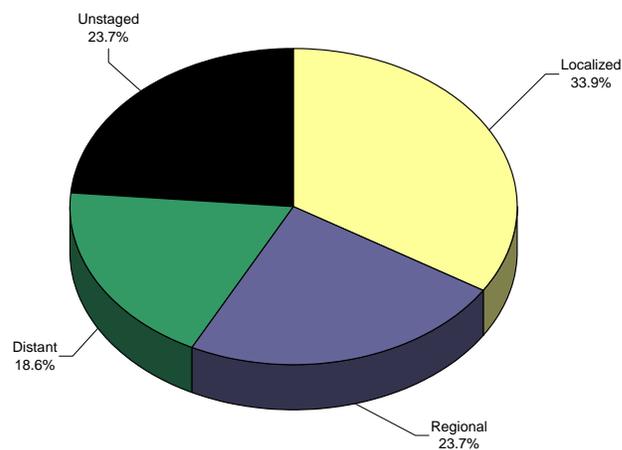
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	4.1	5.9	2.6
# of new invasive cases	59	40	19
# of new in-situ cases	0	0	0
# of deaths	61	45	16

Total Cases By County

Ada	16	Cassia	3	Lewis	-
Adams	-	Clark	-	Lincoln	-
Bannock	2	Clearwater	1	Madison	-
Bear Lake	-	Custer	-	Minidoka	-
Benewah	-	Elmore	-	Nez Perce	6
Bingham	-	Franklin	1	Oneida	-
Blaine	1	Fremont	-	Owyhee	-
Boise	-	Gem	1	Payette	2
Bonner	2	Gooding	-	Power	-
Bonneville	3	Idaho	2	Shoshone	1
Boundary	2	Jefferson	-	Teton	-
Butte	-	Jerome	1	Twin Falls	1
Camas	-	Kootenai	10	Valley	-
Canyon	3	Latah	1	Washington	-
Caribou	-	Lemhi	-		

Stage at Diagnosis - Liver



Risk and Associated Factors

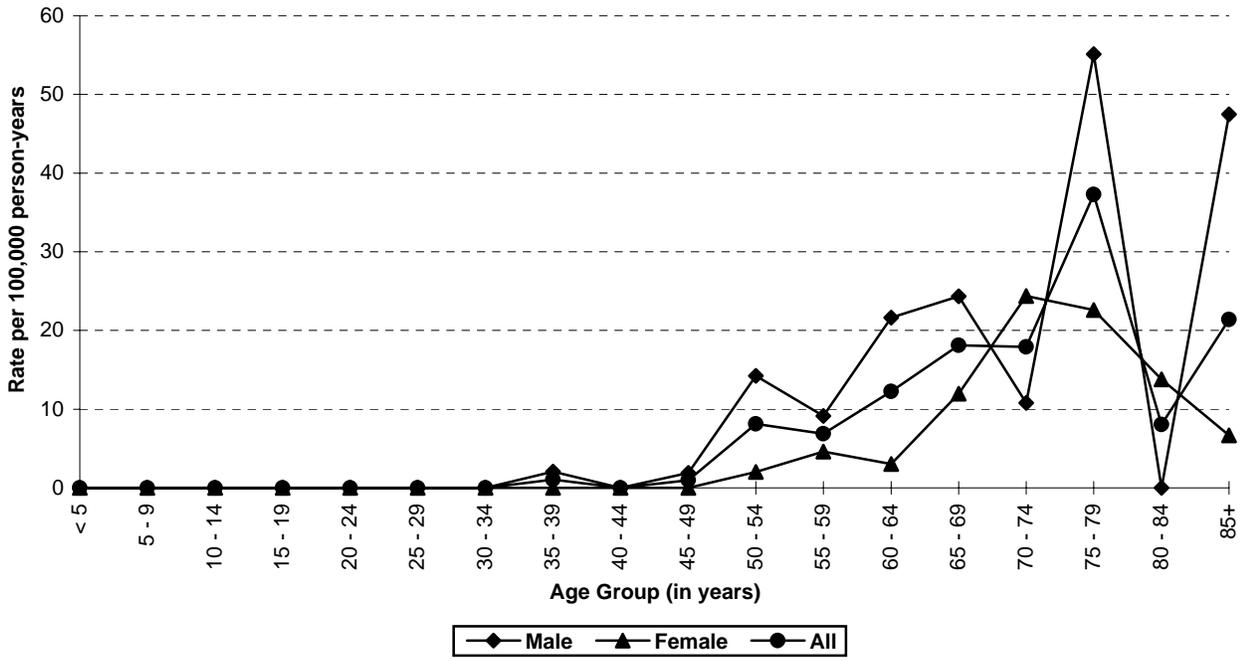
Age	The incidence rate of liver cancer increases with age.
Gender	Rates are usually higher among males than females.
Race	Incidence is higher among Asians and African Americans than the remainder of the population.
Diet	Aflatoxins, which are present in certain foods such as peanut butter, are classified as a known human carcinogen, causing liver cancer.
Occupation	Thorium dioxide (an x-ray contrast medium) exposure increases liver cancer risk. Exposure to vinyl chloride used in plastic production is associated with an increased risk of angiosarcoma of the liver. Chimney sweeps exposed to soot are at higher risk.
Other	Hepatitis B and Hepatitis C infections are significant causes of hepatocellular carcinoma. Cirrhosis of the liver due to viral hepatitis, alcoholism, or toxic chemical exposure accounts for 50-80% of patients diagnosed with liver cancer. Long-term use of oral contraceptives increases risk of hepatocellular carcinoma.

Special Notes

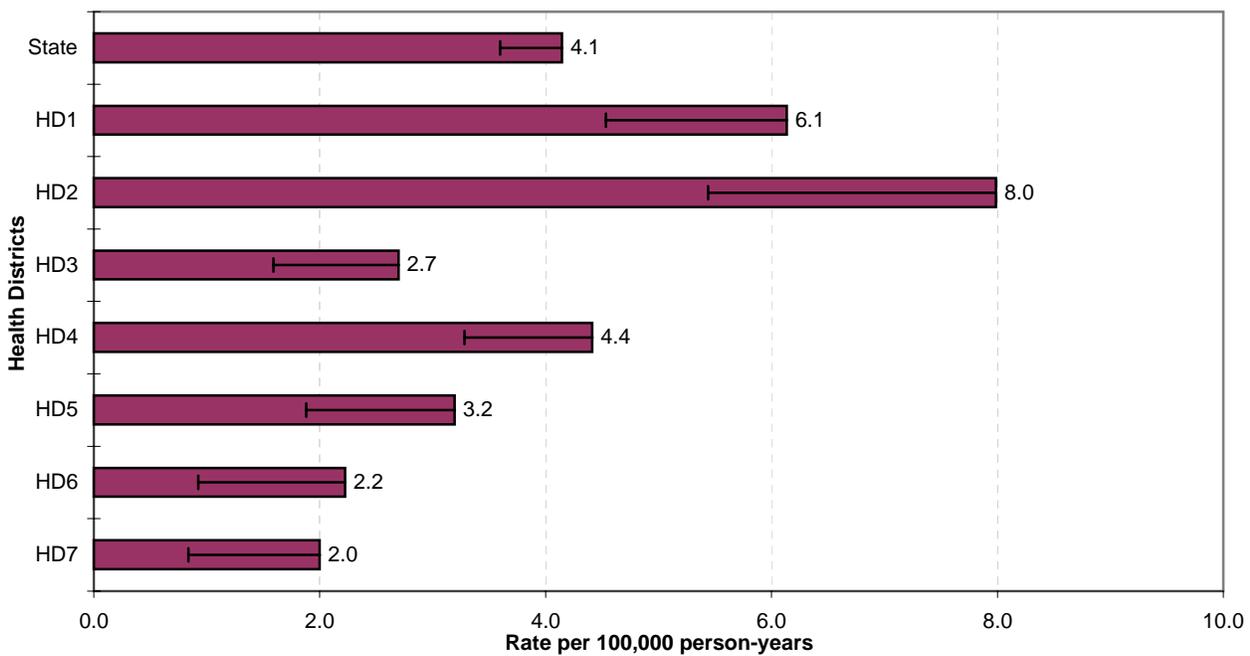
Mean age-adjusted incidence rate across health districts:	4.1
95% confidence interval on the mean age-adjusted incidence rate:	2.4- 5.8
Median age-adjusted incidence rate of health districts:	3.2
Range of age-adjusted incidence rate for health districts:	2.0- 8.0
SEER 17 rate (2005, all races):	6.8
USCS rate (2004, all races):	5.6

There were few cases of liver cancer among persons less than 45 years of age. Age-specific incidence rates increased with age, peaking in the age group 75-79 for males and 70-74 for females. Health District 2 had statistically significantly more cases than expected based upon rates for the remainder of Idaho.

**State Liver & Bile Duct Cancer Incidence
Age-specific Rates**



**Liver and Bile Duct Cancer Incidence
Age-adjusted Rates by Health District**



LUNG AND BRONCHUS

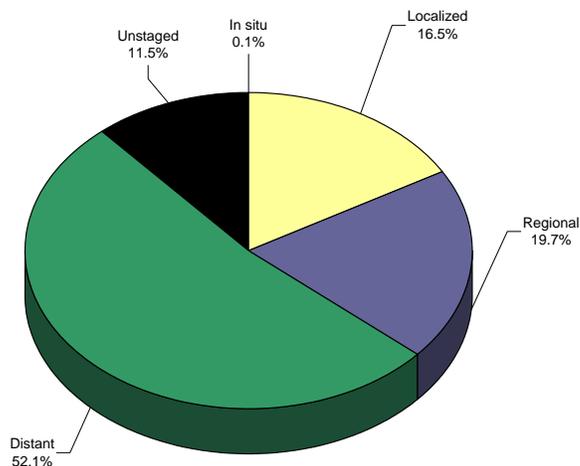
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	53.5	60.1	48.8
# of new invasive cases	749	384	365
# of new in-situ cases	1	1	0
# of deaths	589	327	262

Total Cases By County

Ada	175	Cassia	8	Lewis	5
Adams	2	Clark	-	Lincoln	2
Bannock	38	Clearwater	8	Madison	5
Bear Lake	2	Custer	6	Minidoka	5
Benewah	11	Elmore	26	Nez Perce	43
Bingham	14	Franklin	2	Oneida	1
Blaine	7	Fremont	3	Owyhee	5
Boise	6	Gem	10	Payette	20
Bonner	22	Gooding	10	Power	3
Bonneville	22	Idaho	15	Shoshone	22
Boundary	8	Jefferson	6	Teton	2
Butte	1	Jerome	12	Twin Falls	44
Camas	1	Kootenai	64	Valley	3
Canyon	76	Latah	11	Washington	7
Caribou	6	Lemhi	9		

Stage at Diagnosis - Lung and Bronchus



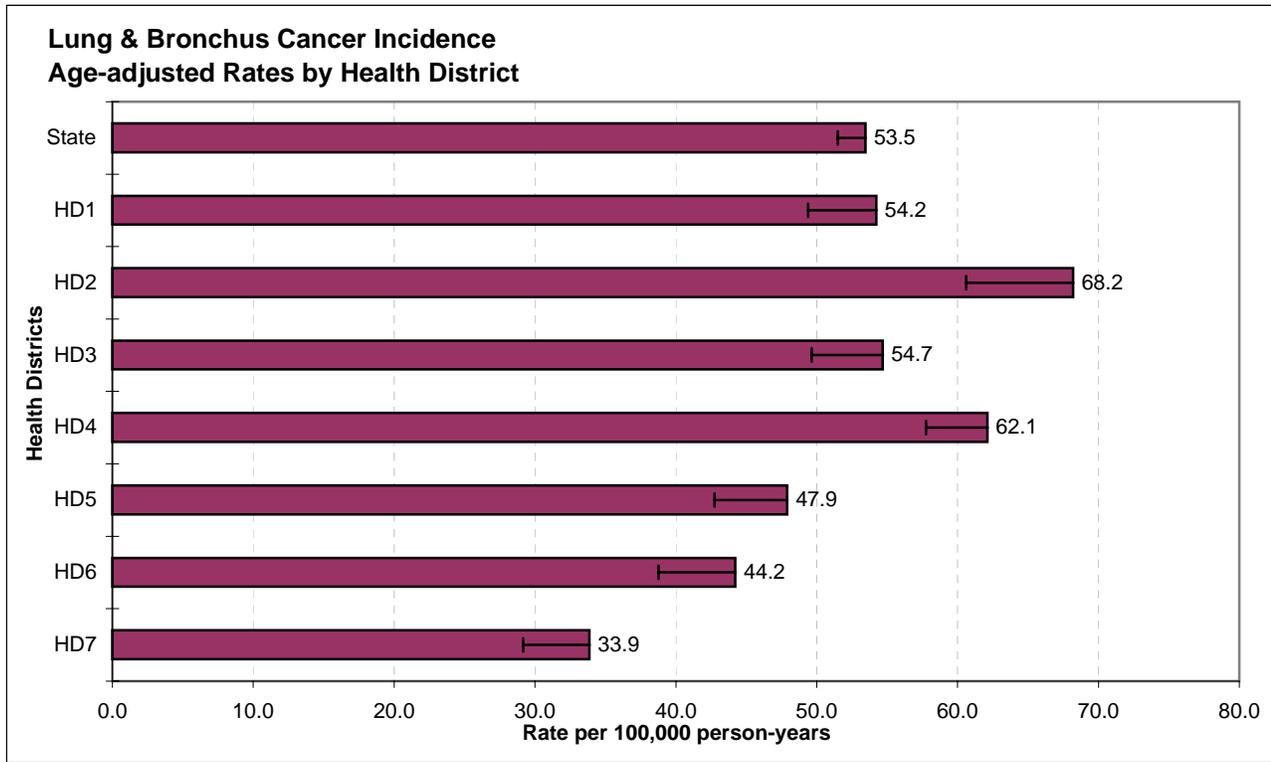
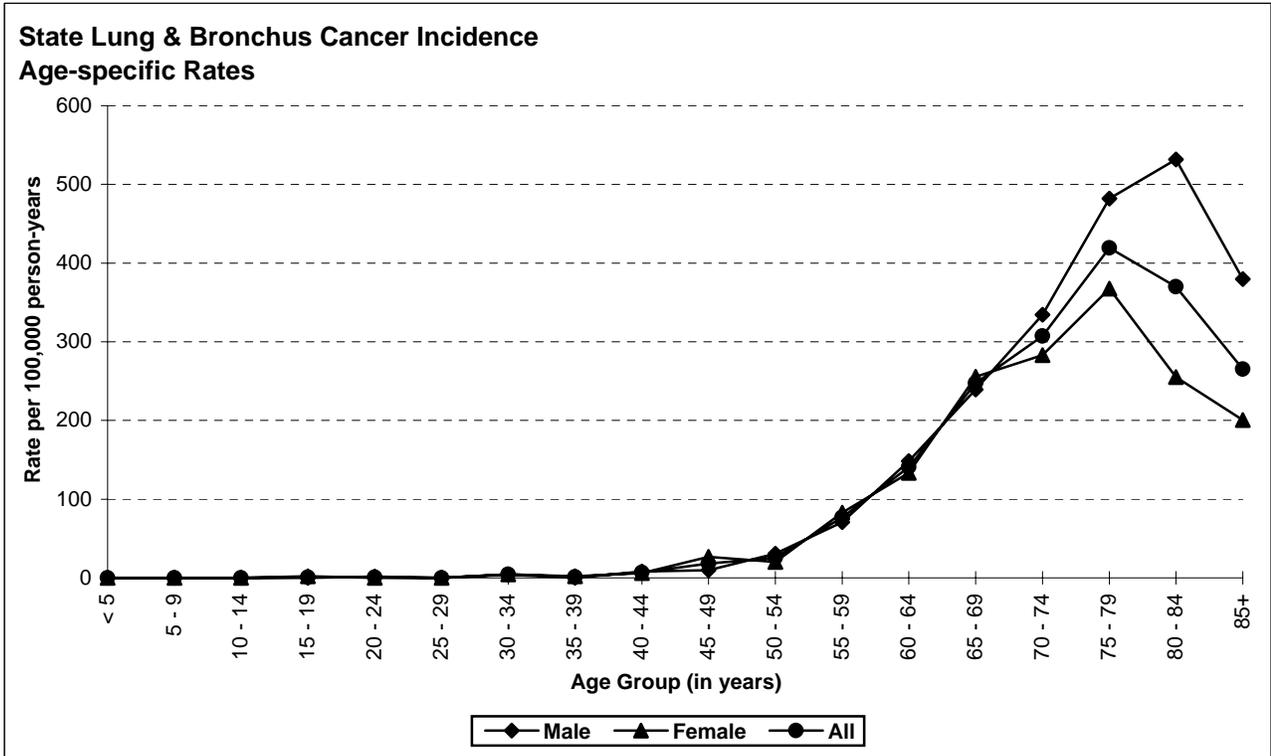
Risk and Associated Factors

Age	Lung cancer incidence rates increase with age.
Gender	The incidence is currently higher in males than in females, but the gap is narrowing due to increased smoking rates among women.
Race & SES	Generally, incidence is higher among African Americans than other racial groups, and is also higher in lower income groups.
Diet	Diets low in consumption of fresh fruits and vegetables contribute to increased risk.
Occupation	Occupational or environmental exposures to asbestos, cadmium, chromium, coal tars, crystalline silica dust, polycyclic aromatic hydrocarbons, radon, soot, chlorpyrifos insecticides, ionizing radiation, and other substances increase the risk.
Other	Cigarette smoking, including exposure to second-hand smoke, is the most important risk factor, accounting for over 85% of lung cancer deaths. Evidence exists that rates are about 1.3 times higher, adjusted for smoking, in urban areas than rural areas due to air pollution, mostly from motor vehicles.

Special Notes

Mean age-adjusted incidence rate across health districts:	52.2
95% confidence interval on the mean age-adjusted incidence rate:	43.7- 60.6
Median age-adjusted incidence rate of health districts:	54.2
Range of age-adjusted incidence rate for health districts:	33.9- 68.2
SEER 17 rate (2005, all races):	61.1
USCS rate (2004, all races):	67.4

There were few cases of lung cancer among persons less than 50 years of age. The age-specific incidence rates for males were uniformly higher than the rates for females after age 69. The incidence rates increased with age, peaking in the age group 80-84 for males and 75-79 for females. Health Districts 2 and 4 had statistically significantly more cases than expected based upon rates for the remainder of Idaho, and Health District 7 had statistically significantly fewer cases than expected.



MELANOMA OF SKIN

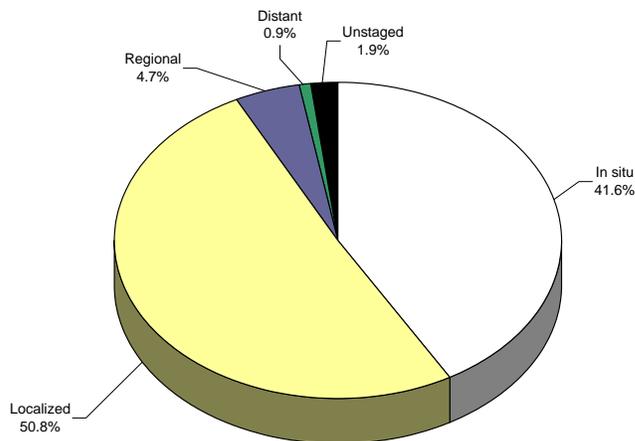
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	21.7	30.4	14.2
# of new invasive cases	310	206	104
# of new in-situ cases	221	120	101
# of deaths	39	33	6

Total Cases By County

Ada	130	Cassia	1	Lewis	1
Adams	1	Clark	-	Lincoln	2
Bannock	5	Clearwater	2	Madison	3
Bear Lake	-	Custer	-	Minidoka	5
Benewah	-	Elmore	7	Nez Perce	6
Bingham	4	Franklin	1	Oneida	1
Blaine	9	Fremont	5	Owyhee	3
Boise	1	Gem	8	Payette	6
Bonner	23	Gooding	7	Power	-
Bonneville	27	Idaho	6	Shoshone	4
Boundary	11	Jefferson	9	Teton	1
Butte	2	Jerome	9	Twin Falls	25
Camas	-	Kootenai	83	Valley	4
Canyon	65	Latah	2	Washington	2
Caribou	-	Lemhi	2		

Stage at Diagnosis - Melanoma of Skin



Risk and Associated Factors

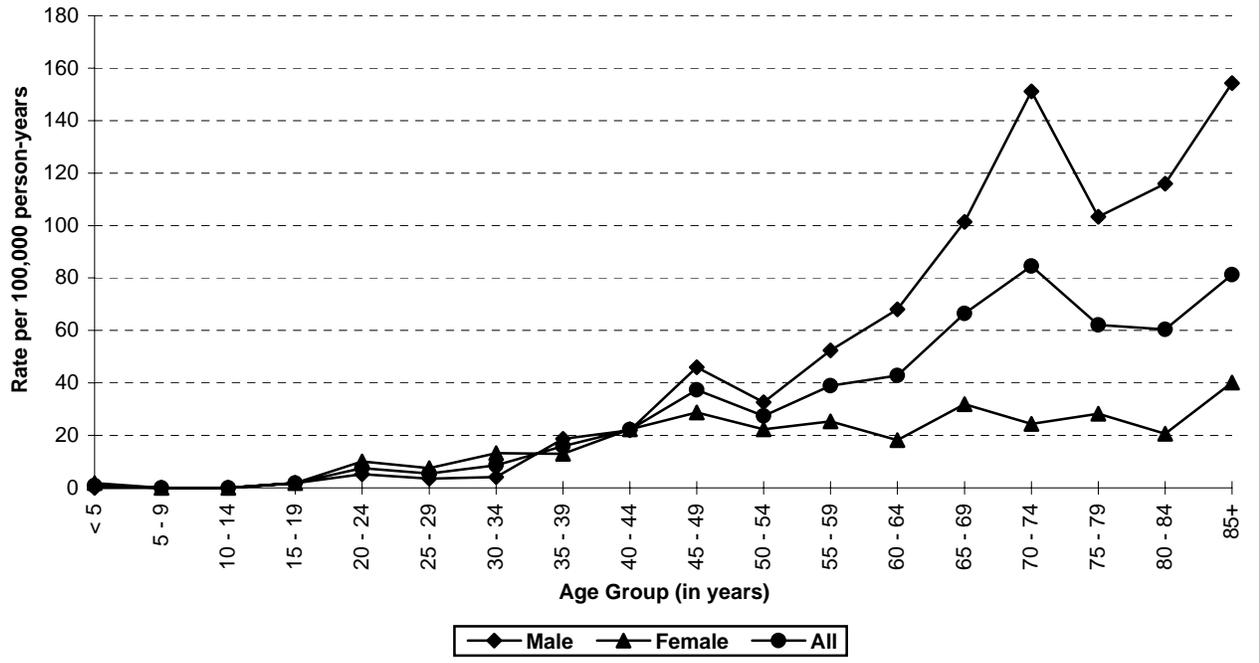
Age	Melanoma is extremely uncommon before puberty. Rates increase with age.
Gender	Incidence rates are higher among males than females.
Race & SES	The incidence rate is highest in Caucasians and lowest in African Americans. Incidence rates of melanoma of the skin are higher in higher income groups (indoor workers).
Other	Ultra-violet light exposure, especially blistering sunburns during childhood, is a major risk factor. Melanoma incidence rates are increasing around the world. Blue eyes, fair or red hair and pale complexion are well-known risk factors for melanoma. Apart from race and age, the number of melanocytic nevi is the strongest known risk factor for melanoma. Intermittent exposure of untanned skin to intense sunlight is particularly effective in increasing incidence of melanoma.

Special Notes

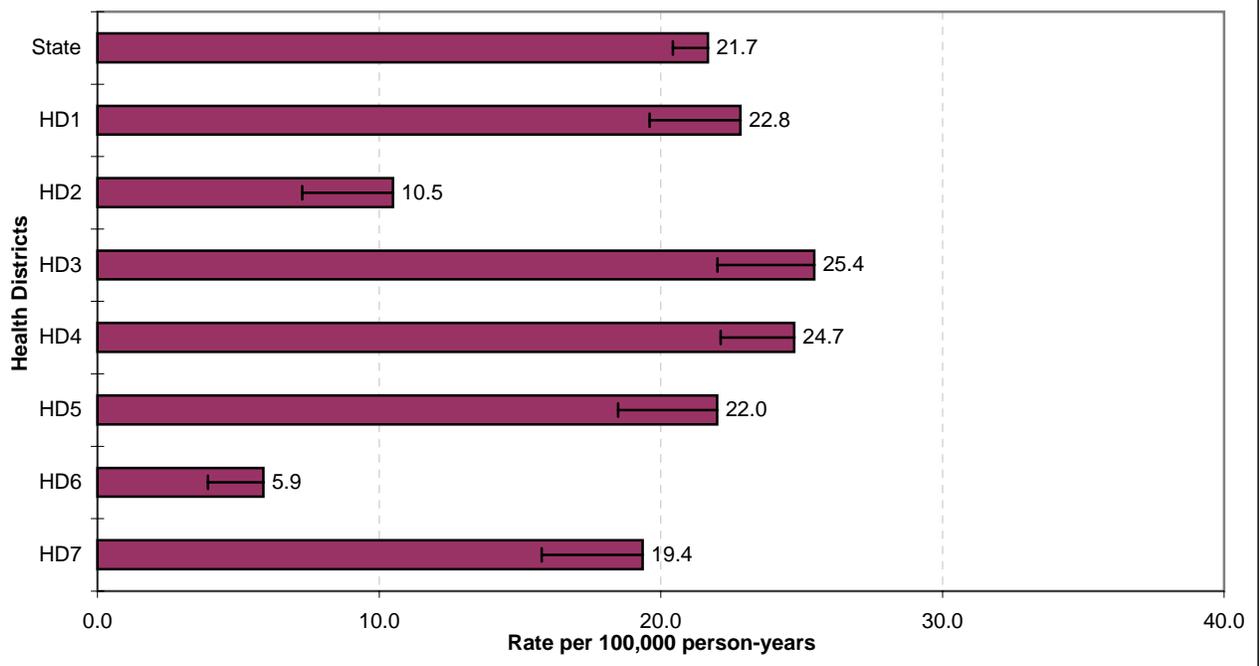
Mean age-adjusted incidence rate across health districts:	18.7
95% confidence interval on the mean age-adjusted incidence rate:	13.1- 24.3
Median age-adjusted incidence rate of health districts:	22.0
Range of age-adjusted incidence rate for health districts:	5.9- 25.4
SEER 17 rate (2005, all races):	20.8
USCS rate (2004, all races):	17.1

There were few cases of melanoma of the skin among persons less than 25 years of age. The age-specific incidence rates were generally higher among males after age 50. Health Districts 2 and 6 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.

**State Melanoma of the Skin Incidence
Age-specific Rates**



**Melanoma of the Skin Incidence
Age-adjusted Rates by Health District**



MYELOMA

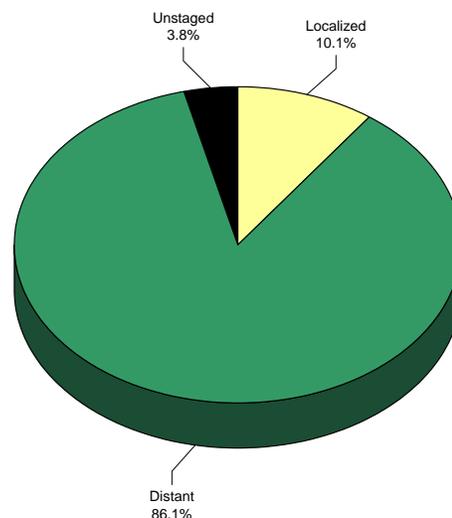
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	5.6	6.4	4.7
# of new invasive cases	79	44	35
# of new in-situ cases	0	0	0
# of deaths	44	24	20

Total Cases By County

Ada	18	Cassia	-	Lewis	-
Adams	-	Clark	-	Lincoln	1
Bannock	4	Clearwater	-	Madison	-
Bear Lake	1	Custer	-	Minidoka	2
Benewah	-	Elmore	2	Nez Perce	-
Bingham	1	Franklin	1	Oneida	-
Blaine	-	Fremont	-	Owyhee	-
Boise	-	Gem	1	Payette	1
Bonner	1	Gooding	1	Power	1
Bonneville	2	Idaho	1	Shoshone	2
Boundary	2	Jefferson	2	Teton	1
Butte	-	Jerome	-	Twin Falls	4
Camas	-	Kootenai	12	Valley	2
Canyon	10	Latah	3	Washington	2
Caribou	1	Lemhi	-		

Stage at Diagnosis - Myeloma



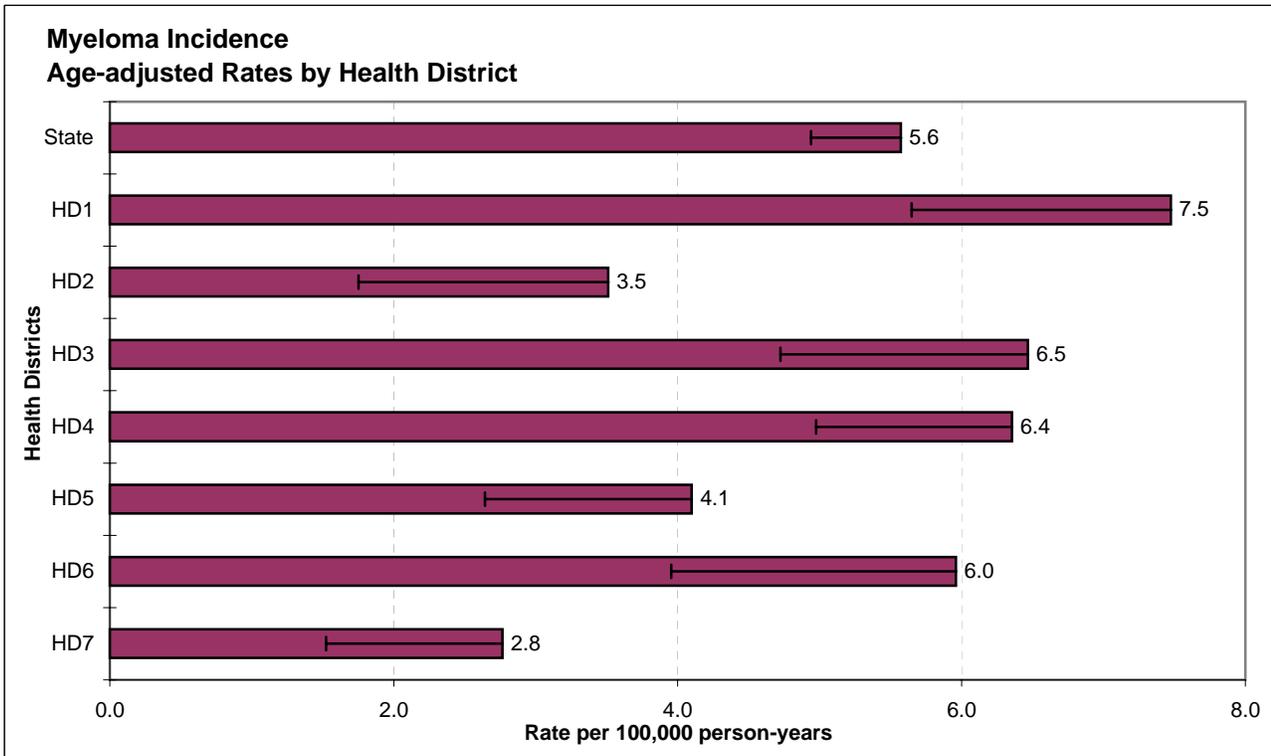
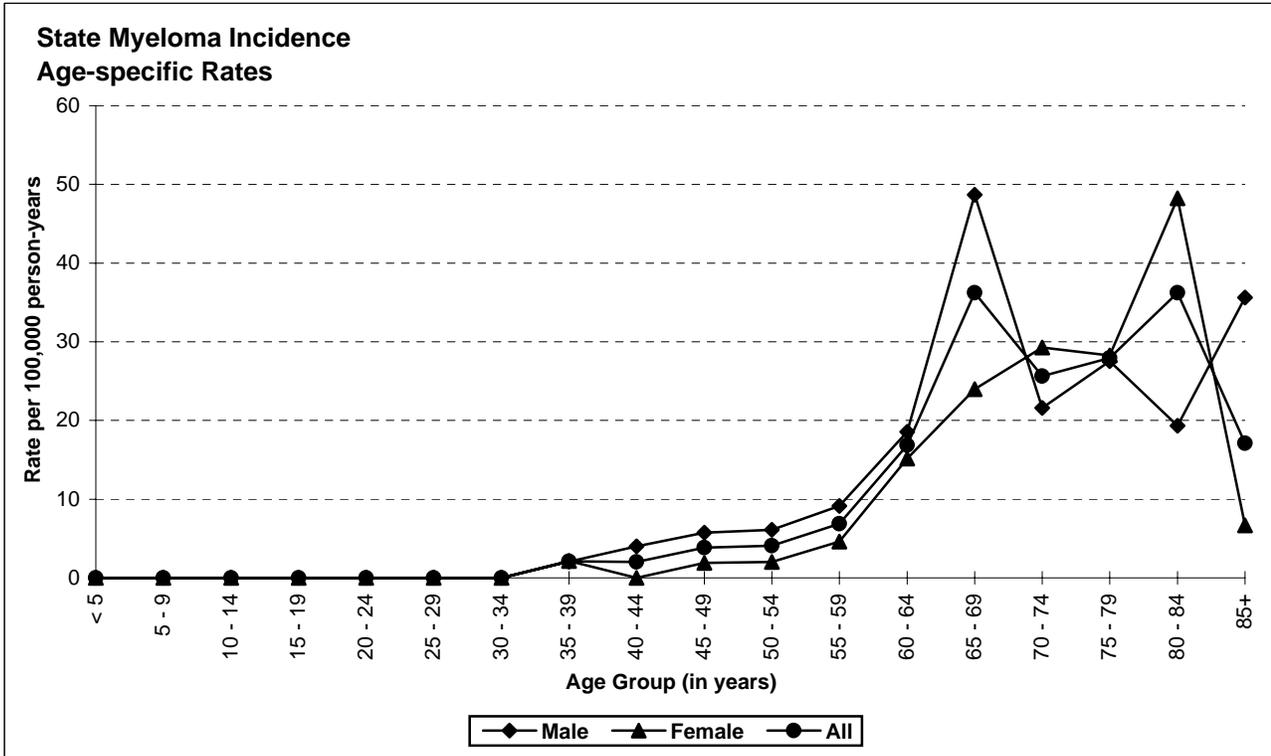
Risk and Associated Factors

Age	Multiple myeloma is an age-dependent cancer; incidence rates increase with age and it rarely occurs before age 40.
Gender	Rates for males are somewhat higher than for females.
Race	African Americans have higher incidence rates than Caucasians.
Genetics	Genetic factors play an important role in its development but how so is not completely understood. Familial factors and chronic antigenic stimulation have also been implicated.
Other	Multiple myeloma has been associated with lymphomas such as Burkitt's and non-Hodgkin lymphomas. Studies have suggested several possible viral etiologies, and multiple myeloma has been linked to ionizing radiation exposure. Several specific chemical and physical substances have been linked to myeloma risk in one or more studies. Truck drivers, painters, and agricultural workers are at increased risk for multiple myeloma. Individuals with monoclonal gammopathy of unknown significance are predisposed to develop multiple myeloma.

Special Notes

Mean age-adjusted incidence rate across health districts:	5.2
95% confidence interval on the mean age-adjusted incidence rate:	3.9- 6.5
Median age-adjusted incidence rate of health districts:	6.0
Range of age-adjusted incidence rate for health districts:	2.8- 7.5
SEER 17 rate (2005, all races):	5.6
USCS rate (2004, all races):	5.4

There were few cases of plasma cell tumors among persons less than 45 years of age. The age-specific incidence rates increased rapidly for both males and females after age group 60-64. No health district had statistically significantly fewer or more cases than expected based upon rates for the remainder of Idaho.



NON-HODGKIN LYMPHOMA

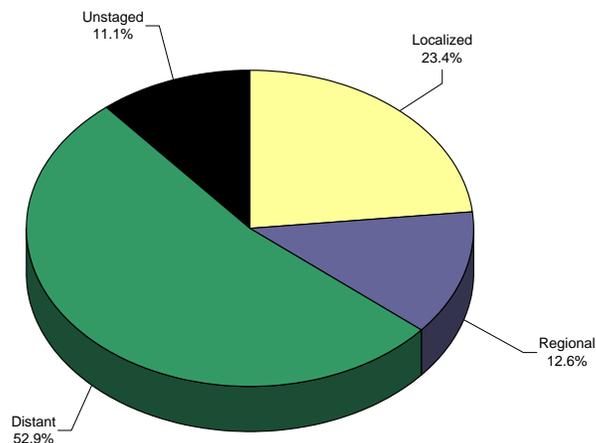
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	18.4	19.5	17.5
# of new invasive cases	261	128	133
# of new in-situ cases	0	0	0
# of deaths	83	38	45

Total Cases By County

Ada	49	Cassia	2	Lewis	2
Adams	-	Clark	-	Lincoln	-
Bannock	9	Clearwater	4	Madison	2
Bear Lake	-	Custer	1	Minidoka	5
Benewah	4	Elmore	4	Nez Perce	14
Bingham	8	Franklin	-	Oneida	-
Blaine	4	Fremont	2	Owyhee	4
Boise	2	Gem	3	Payette	8
Bonner	4	Gooding	3	Power	2
Bonneville	26	Idaho	6	Shoshone	1
Boundary	1	Jefferson	2	Teton	2
Butte	-	Jerome	1	Twin Falls	18
Camas	1	Kootenai	27	Valley	-
Canyon	26	Latah	6	Washington	3
Caribou	2	Lemhi	1		

Stage at Diagnosis - Non-Hodgkin Lymphoma



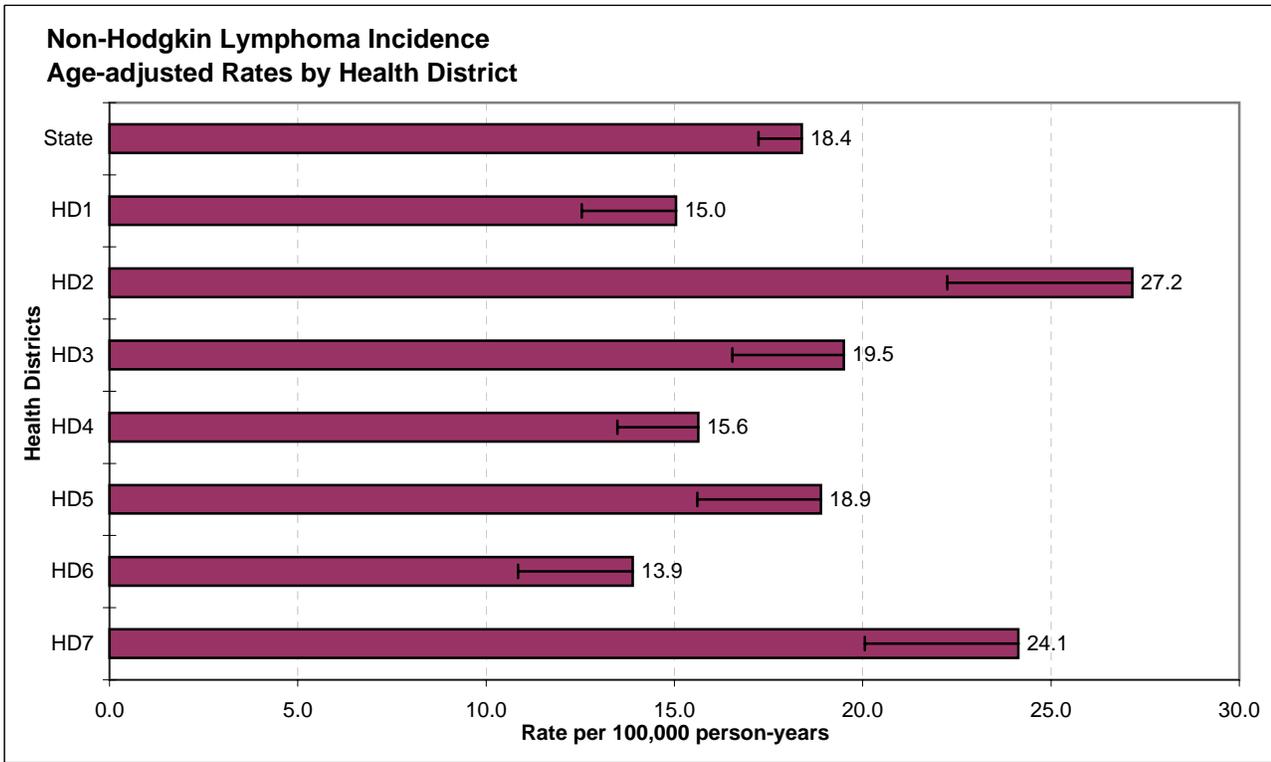
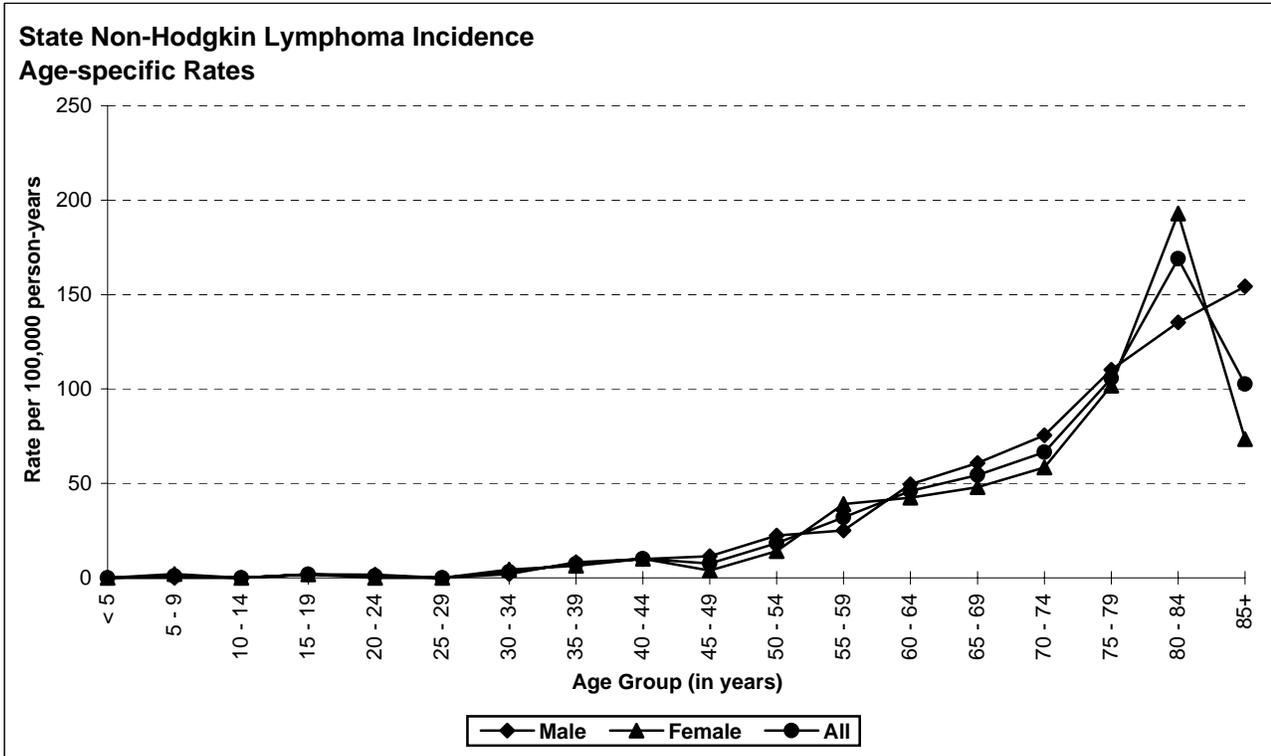
Risk and Associated Factors

Age	Rates increase with age reaching the highest levels in the eighth and ninth decades of life.
Gender	Males have higher rates than females.
Race & SES	Generally in the United States, incidence rates are higher for Caucasians than African Americans. Rates are higher in upper income groups.
Occupation	Ethylene oxide exposure at plants producing sterilized medical supplies and spices is a risk factor.
Other	Non-Hodgkin lymphoma (NHL) develops with increased frequency in individuals infected with certain viruses, including HTLV-I, HIV, and EBV. Exposures to agricultural chemicals and PCBs have also been implicated. Treatment with some immunosuppressants increases the risk of NHL among organ transplant patients, evidently by reactivating Epstein-Barr virus.

Special Notes

Mean age-adjusted incidence rate across health districts:	19.2
95% confidence interval on the mean age-adjusted incidence rate:	15.5- 22.8
Median age-adjusted incidence rate of health districts:	18.9
Range of age-adjusted incidence rate for health districts:	13.9- 27.2
SEER 17 rate (2005, all races):	19.2
USCS rate (2004, all races):	19.0

The age-specific incidence rates of non-Hodgkin lymphoma increased with age, peaking in the age group 85+ for males and 80-84 for females. Health District 2 had statistically significantly more cases than expected based upon rates for the remainder of Idaho.



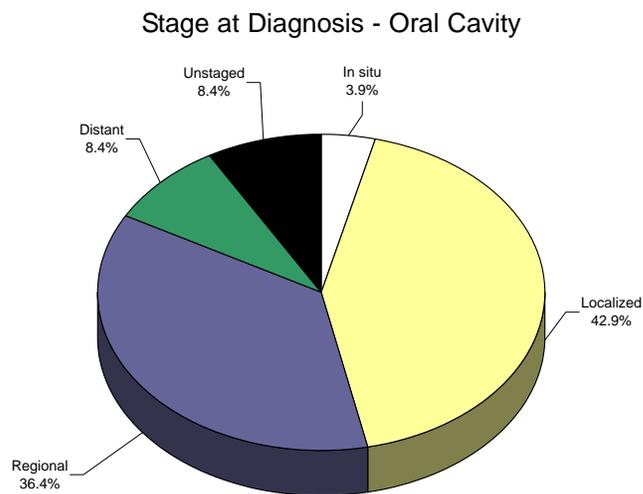
ORAL CAVITY AND PHARYNX

Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	10.3	15.4	5.6
# of new invasive cases	148	106	42
# of new in-situ cases	6	4	2
# of deaths	38	25	13

Total Cases By County

Ada	35	Cassia	-	Lewis	-
Adams	-	Clark	-	Lincoln	-
Bannock	3	Clearwater	2	Madison	3
Bear Lake	-	Custer	-	Minidoka	-
Benewah	1	Elmore	2	Nez Perce	8
Bingham	2	Franklin	1	Oneida	-
Blaine	1	Fremont	-	Owyhee	3
Boise	1	Gem	4	Payette	2
Bonner	4	Gooding	6	Power	2
Bonneville	10	Idaho	5	Shoshone	1
Boundary	3	Jefferson	1	Teton	-
Butte	-	Jerome	-	Twin Falls	15
Camas	-	Kootenai	15	Valley	2
Canyon	12	Latah	2	Washington	1
Caribou	-	Lemhi	2		



Risk and Associated Factors

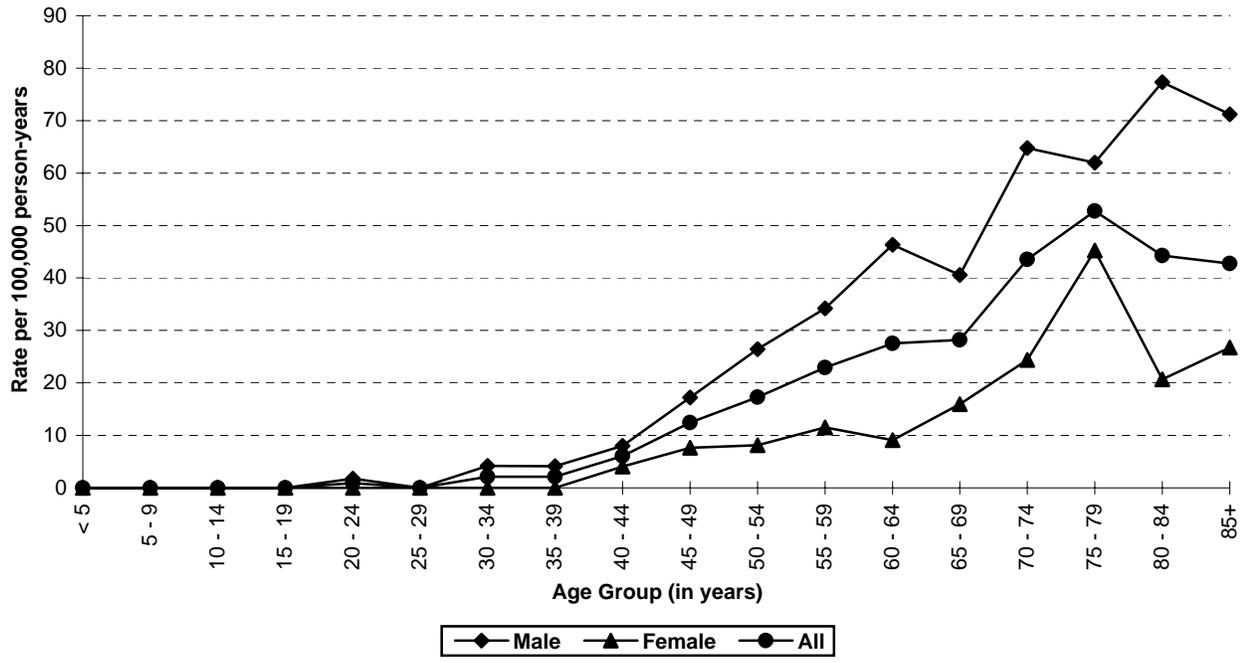
Age	Most cases occur in people over age 60.
Gender	Males have higher incidence rates than females, 2-6 times higher in most parts of the world.
Race & SES	Rates are higher for African Americans than for Caucasians. Rates are also higher among lower income groups.
Diet	Diets low in fresh fruit and vegetable consumption are associated with increased risk.
Other	Smoking and spit tobacco use are major risk factors for cancers of the oral cavity and pharynx. Alcohol use, especially excessive, is a major risk factor. Combined exposure to tobacco and alcohol multiply the risks of each other. It is estimated that smoking and drinking account for 75% of all oral cancers in the United States. Approximately 15% of oral cavity and pharyngeal cancers in the United States are attributable to infection with oncogenic human papillomavirus (HPV) types.

Special Notes

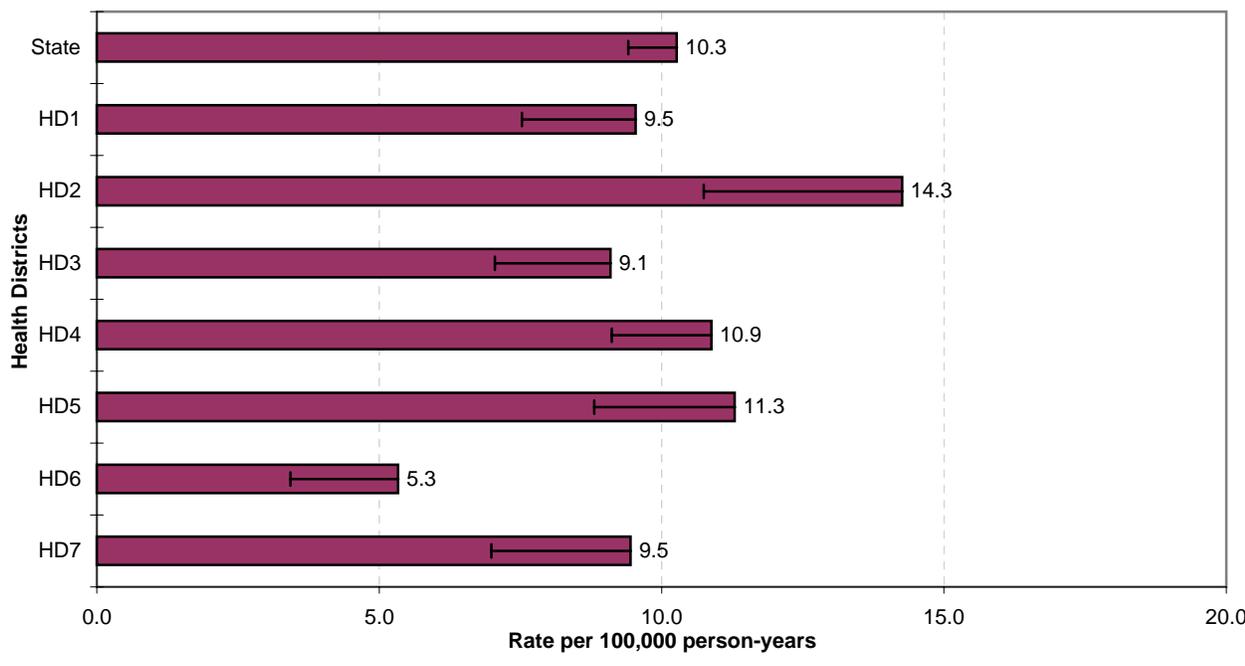
Mean age-adjusted incidence rate across health districts:	10.0
95% confidence interval on the mean age-adjusted incidence rate:	8.0- 12.0
Median age-adjusted incidence rate of health districts:	9.5
Range of age-adjusted incidence rate for health districts:	5.3- 14.3
SEER 17 rate (2005, all races):	10.1
USCS rate (2004, all races):	10.4

There were few cases of oral cavity and pharyngeal cancers among persons less than 45 years of age. The age-specific incidence rates generally increased with age after age 50, peaking in the age group 80-84 for males and 75-79 for females. Health District 6 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.

State Oral Cavity & Pharyngeal Cancer Incidence
Age-specific Rates



Oral Cavity & Pharyngeal Cancer Incidence
Age-adjusted Rates by Health District



OVARY

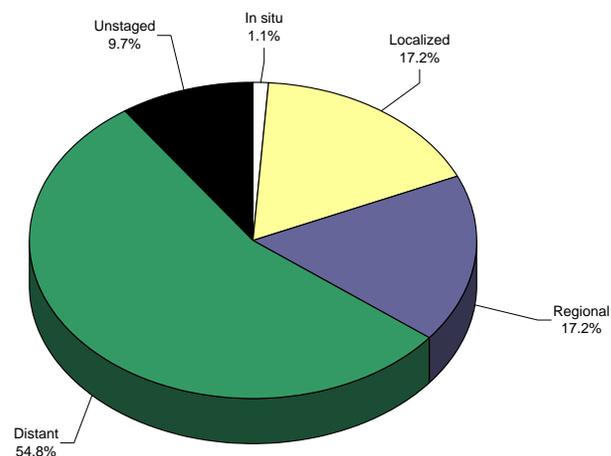
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	-	-	12.2
# of new invasive cases	-	-	92
# of new in-situ cases	-	-	1
# of deaths	-	-	65

Total Cases By County

Ada	19	Cassia	1	Lewis	-
Adams	-	Clark	-	Lincoln	-
Bannock	2	Clearwater	1	Madison	-
Bear Lake	-	Custer	-	Minidoka	2
Benewah	-	Elmore	-	Nez Perce	2
Bingham	3	Franklin	2	Oneida	-
Blaine	1	Fremont	1	Owyhee	1
Boise	-	Gem	2	Payette	-
Bonner	6	Gooding	2	Power	1
Bonneville	8	Idaho	-	Shoshone	-
Boundary	1	Jefferson	-	Teton	-
Butte	-	Jerome	1	Twin Falls	7
Camas	-	Kootenai	12	Valley	1
Canyon	10	Latah	3	Washington	-
Caribou	2	Lemhi	-		

Stage at Diagnosis - Ovary



Risk and Associated Factors

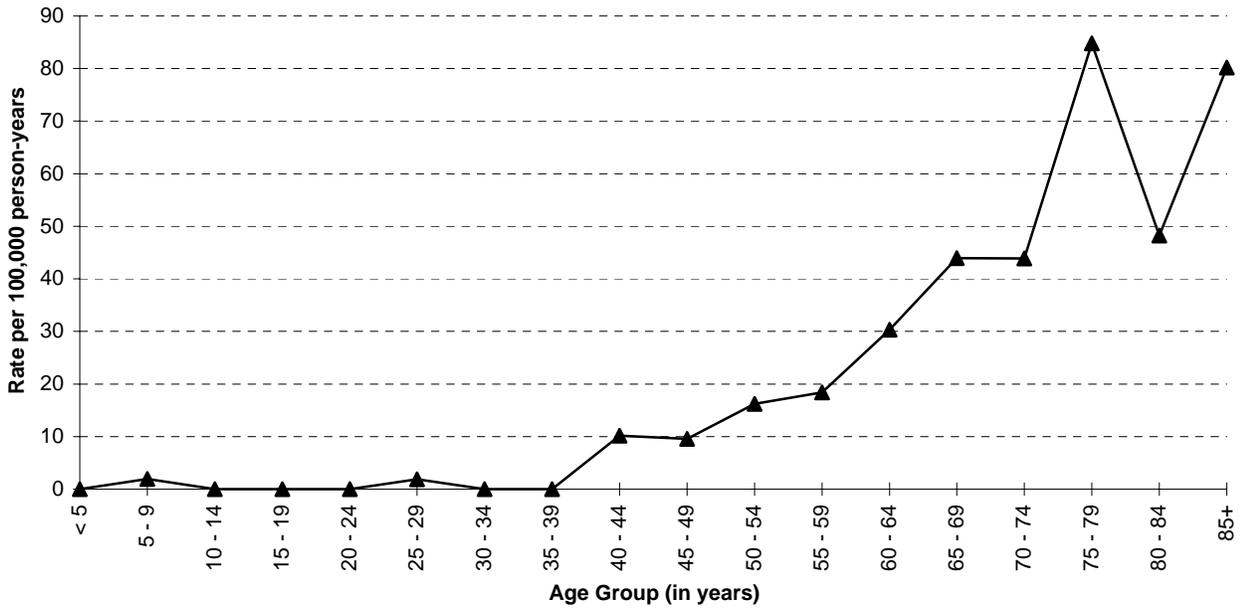
Age	The rate of ovarian cancer increases with age, and it is primarily a disease of older women.
Race & SES	Incidence rates are slightly higher among Caucasian females than African Americans. Rates are higher among upper income groups.
Genetics	The most important risk factor for ovarian cancer is a family history of a first-degree relative (mother, daughter, or sister) with the disease. The risk is higher still in women with two or more first-degree relatives with ovarian cancer.
Hormonal	Risk of ovarian cancer is significantly reduced via suppression of ovulation through pregnancy or oral contraceptive use. Highest risk is in post-menopausal women. Ovarian cancer is also associated with a personal history of breast, endometrial, and colon cancers.
Diet	Dietary animal fat may increase the risk.
Other	High dose (>100 rads) ionizing radiation roughly doubles the risk of ovarian cancer.

Special Notes

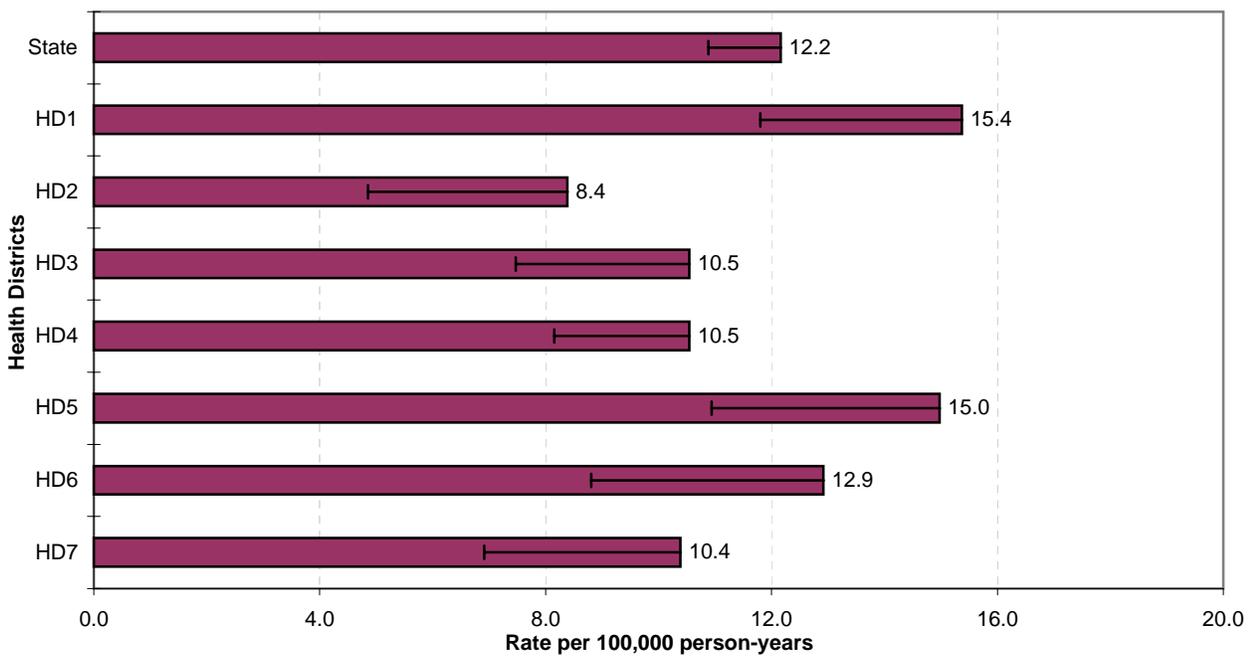
Mean age-adjusted incidence rate across health districts:	11.9
95% confidence interval on the mean age-adjusted incidence rate:	9.9- 13.8
Median age-adjusted incidence rate of health districts:	10.5
Range of age-adjusted incidence rate for health districts:	8.4- 15.4
SEER 17 rate (2005, all races):	12.6
USCS rate (2004, all races):	12.5

There were few cases of ovarian cancer among females aged less than 40 years. The age-specific incidence rates of ovarian cancer generally increased with age starting in the 45-49 age group. The highest age-specific rate was for women aged 75-79. No health district had statistically significantly fewer or more cases than expected based upon rates for the remainder of Idaho.

**State Ovarian Cancer Incidence
Age-specific Rates**



**Ovarian Cancer Incidence
Age-adjusted Rates by Health District**



PANCREAS

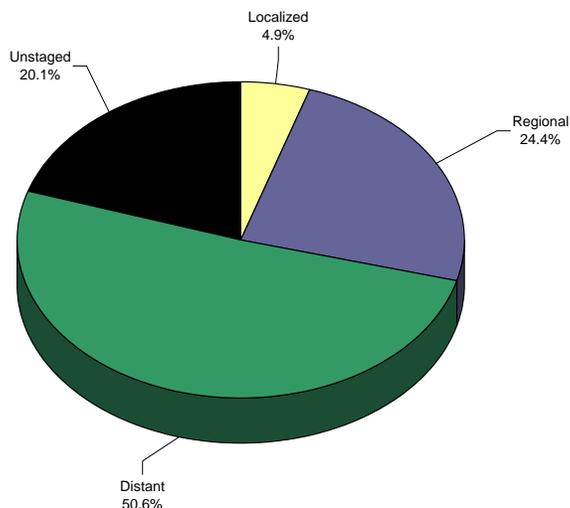
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	11.5	13.2	9.8
# of new invasive cases	164	88	76
# of new in-situ cases	0	0	0
# of deaths	154	70	84

Total Cases By County

Ada	42	Cassia	5	Lewis	2
Adams	1	Clark	-	Lincoln	-
Bannock	9	Clearwater	2	Madison	-
Bear Lake	-	Custer	1	Minidoka	1
Benewah	2	Elmore	4	Nez Perce	5
Bingham	1	Franklin	3	Oneida	1
Blaine	1	Fremont	1	Owyhee	1
Boise	1	Gem	3	Payette	2
Bonner	3	Gooding	-	Power	-
Bonneville	11	Idaho	3	Shoshone	2
Boundary	2	Jefferson	1	Teton	-
Butte	-	Jerome	1	Twin Falls	6
Camas	-	Kootenai	16	Valley	2
Canyon	20	Latah	5	Washington	3
Caribou	-	Lemhi	1		

Stage at Diagnosis - Pancreas



Risk and Associated Factors

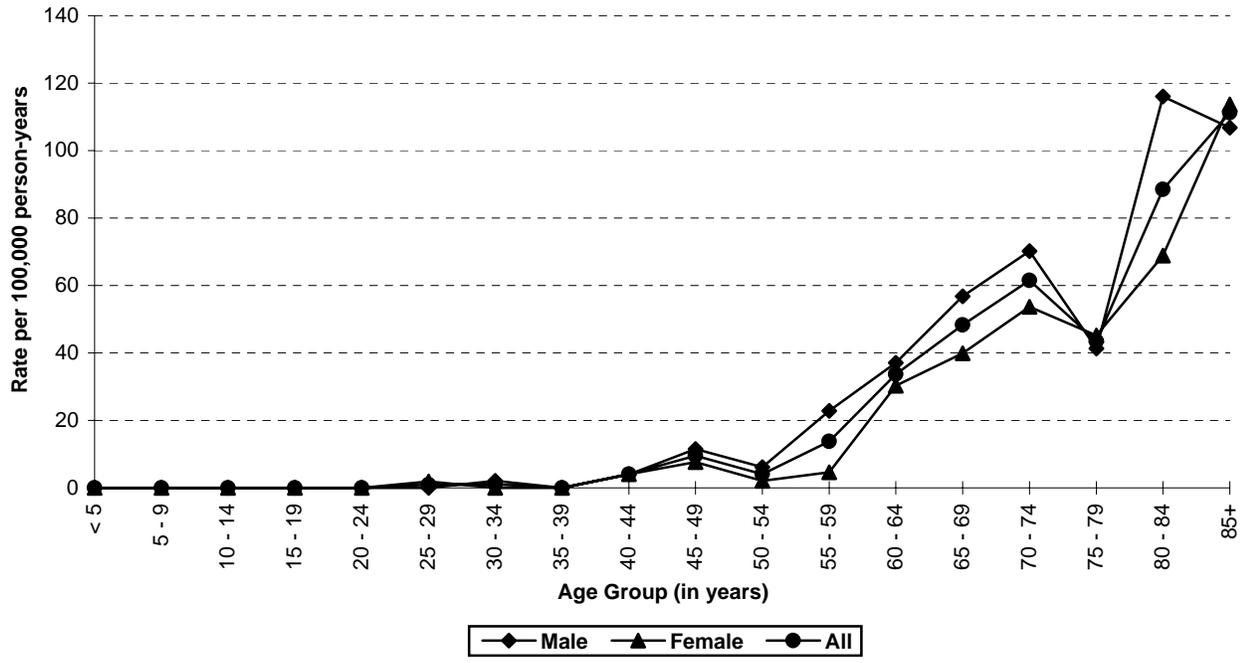
Age	Pancreatic cancer increases with age and is rare in persons younger than 40 years old.
Gender	Incidence rates of pancreatic cancer are about 50% higher in males than females.
Race	In the United States, the incidence is higher in African Americans.
Diet	Investigators have generally found increased risks associated with animal protein and fat consumption, and decreased risks associated with vegetables and fruit intake.
Occupation	Persons in certain occupations, such as chemists, metal workers, and persons employed in the manufacture of benzidine and betanaphthylene, are believed to be at higher risk.
Other	Pancreatic cancer is more common among smokers than non-smokers. Familial clustering has been observed in some studies. Pancreatic cancer usually progresses to an advanced stage before symptoms develop. It is rapidly fatal in over 90% of cases.

Special Notes

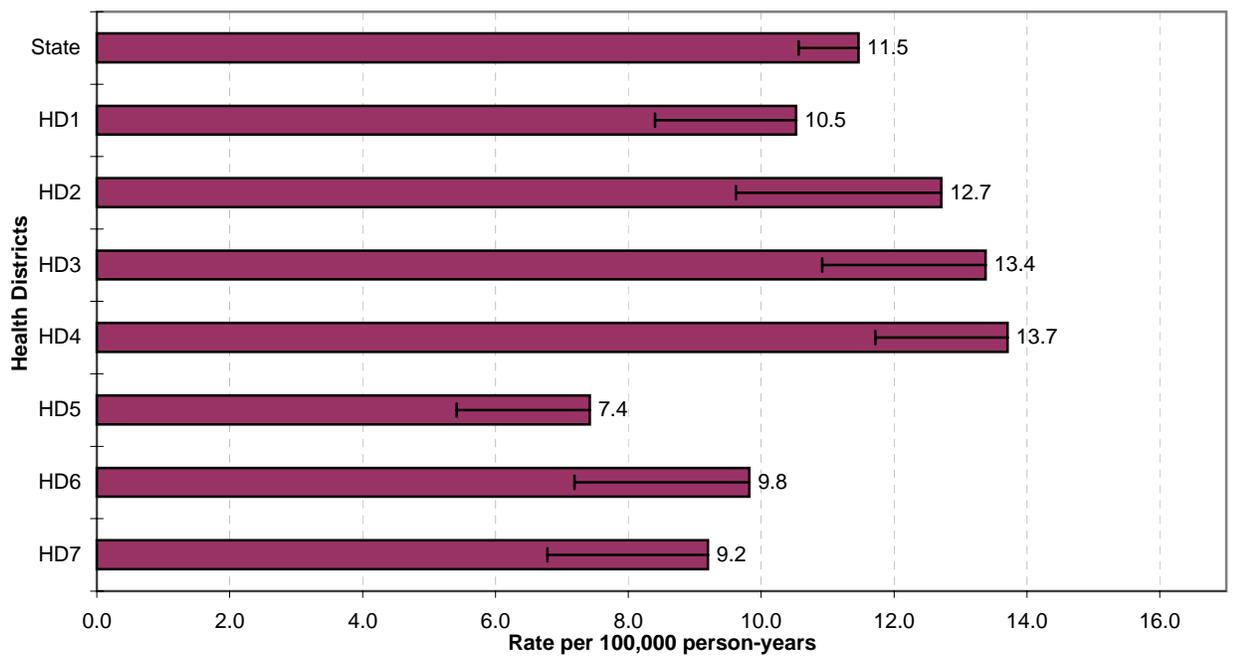
Mean age-adjusted incidence rate across health districts:	11.0
95% confidence interval on the mean age-adjusted incidence rate:	9.2- 12.7
Median age-adjusted incidence rate of health districts:	10.5
Range of age-adjusted incidence rate for health districts:	7.4- 13.7
SEER 17 rate (2005, all races):	11.5
USCS rate (2004, all races):	11.1

There were few cases of pancreatic cancer among persons aged less than 55 years. The age-specific incidence rates of pancreatic cancer generally increased after age 59. No health district had statistically significantly fewer or more cases than expected based upon rates for the remainder of Idaho.

**State Pancreas Cancer Incidence
Age-specific Rates**



**Pancreas Cancer Incidence
Age-adjusted Rates by Health District**



PROSTATE

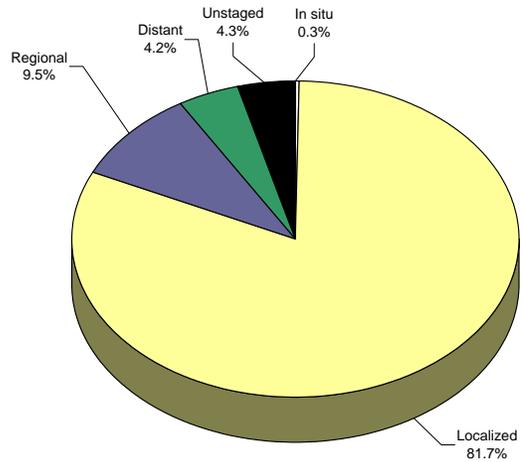
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	-	161.6	-
# of new invasive cases	-	1090	-
# of new in-situ cases	-	3	-
# of deaths	-	144	-

Total Cases By County

Ada	268	Cassia	14	Lewis	8
Adams	5	Clark	1	Lincoln	7
Bannock	50	Clearwater	10	Madison	10
Bear Lake	12	Custer	6	Minidoka	22
Benewah	3	Elmore	16	Nez Perce	29
Bingham	27	Franklin	3	Oneida	3
Blaine	28	Fremont	9	Owyhee	7
Boise	7	Gem	13	Payette	19
Bonner	39	Gooding	13	Power	3
Bonneville	56	Idaho	14	Shoshone	12
Boundary	3	Jefferson	14	Teton	5
Butte	2	Jerome	17	Twin Falls	56
Camas	1	Kootenai	83	Valley	5
Canyon	121	Latah	11	Washington	8
Caribou	8	Lemhi	7		

Stage at Diagnosis - Prostate



Risk and Associated Factors

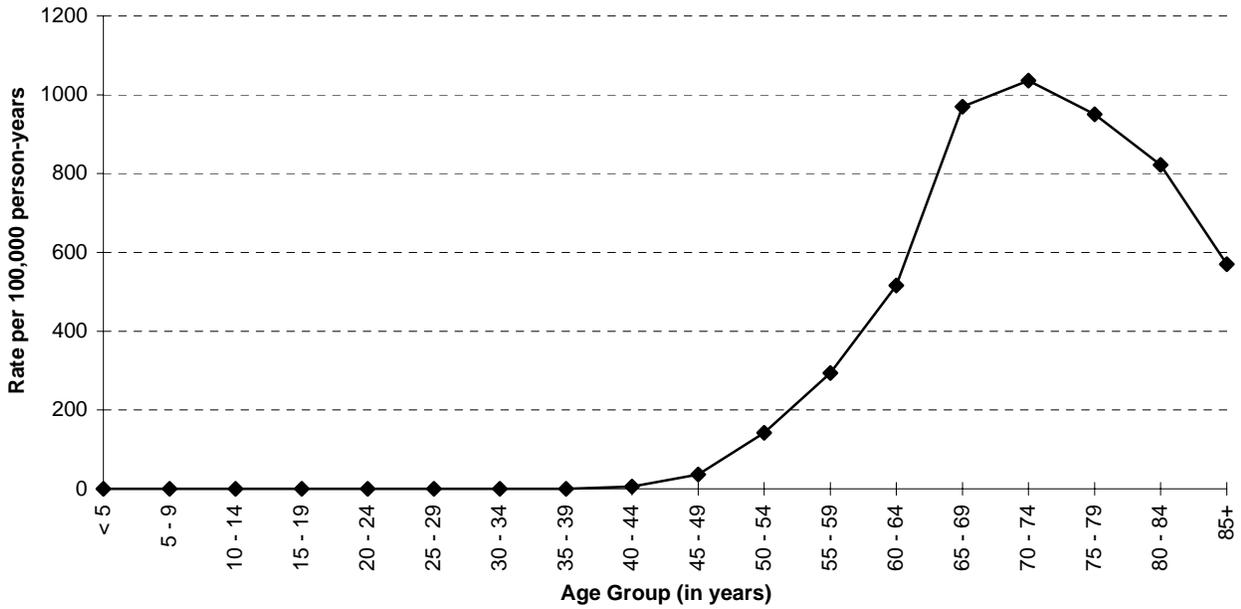
- Age** Prostate cancer is rarely diagnosed before age 50, and it is primarily a disease of older men.
- Race** African American males have substantially higher incidence and mortality rates than Caucasian males.
- Genetics** A family history of prostate cancer is associated with increased risk.
- Diet** Dietary fat has been implicated in several international, regional, and case-control studies.
- Other** Environmental and familial factors may contribute to an increased incidence but no specific factor in these two groups of potential risk factors has been clearly identified. Three risk factors are well established: age, family history, and ethnic group/country of residence. Farming is the most consistent occupational risk factor for prostate cancer. Methyl bromide pesticide application has been identified as a risk factor by the Agricultural Health Study. It is likely that only a very small proportion of all prostate cancer cases can be attributed to a specific industrial chemical exposure.

Special Notes

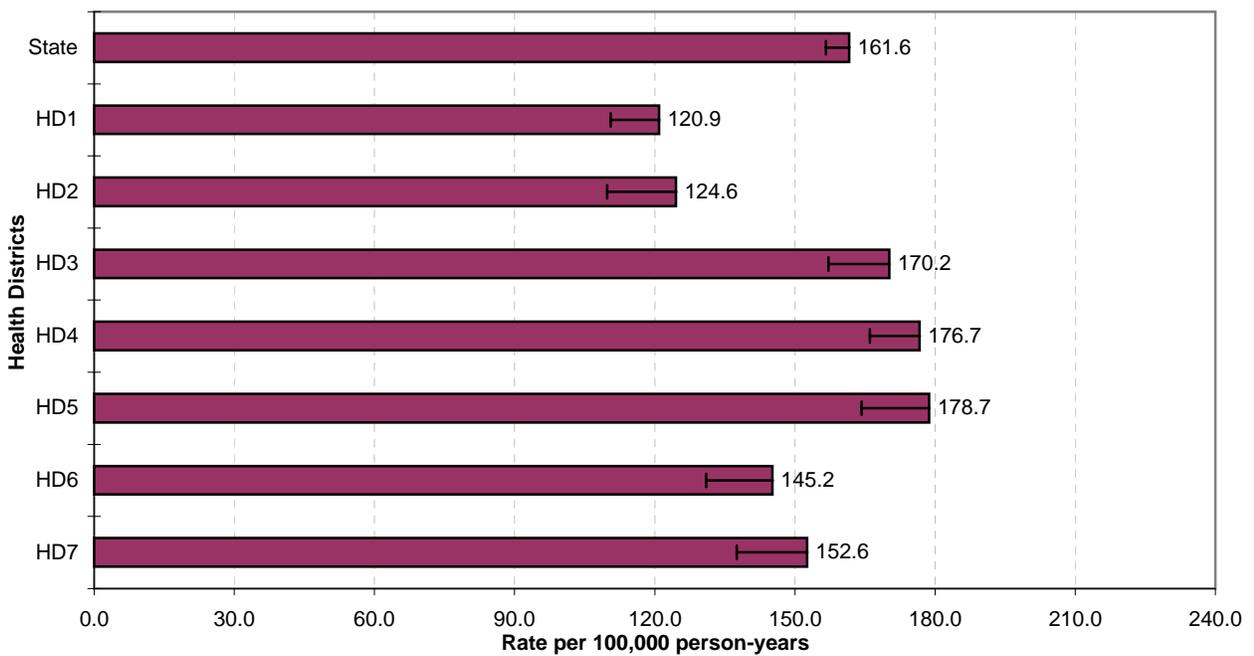
Mean age-adjusted incidence rate across health districts:	152.7
95% confidence interval on the mean age-adjusted incidence rate:	135.0- 170.4
Median age-adjusted incidence rate of health districts:	152.6
Range of age-adjusted incidence rate for health districts:	120.9- 178.7
SEER 17 rate (2005, all races):	144.2
USCS rate (2004, all races):	145.3

The age-specific incidence rate distribution of prostate cancer in Idaho in 2006 is similar to that reported by the National Cancer Institute's SEER program. There were few cases of prostate cancer among persons aged less than 45 years. The age-specific incidence rates of prostate cancer increased with age, peaking in the 70-74 age group. Health District 4 had statistically significantly more cases than expected based upon rates for the remainder of Idaho, and Health Districts 1 and 2 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.

**State Prostate Cancer Incidence
Age-specific Rates**



**Prostate Cancer Incidence
Age-adjusted Rates by Health District**



STOMACH

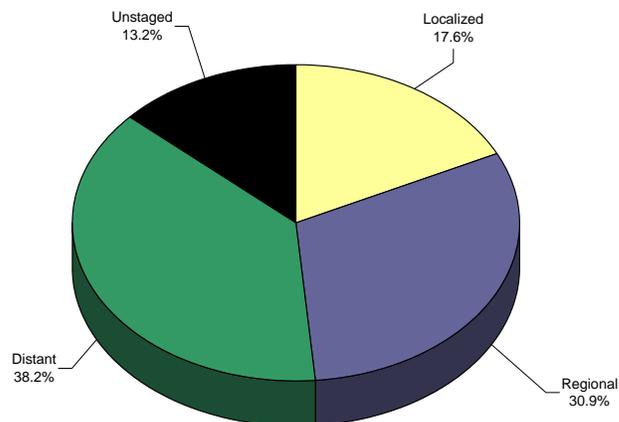
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	4.7	7.7	2.2
# of new invasive cases	68	51	17
# of new in-situ cases	0	0	0
# of deaths	34	25	9

Total Cases By County

Ada	15	Cassia	-	Lewis	1
Adams	-	Clark	-	Lincoln	-
Bannock	4	Clearwater	-	Madison	-
Bear Lake	-	Custer	-	Minidoka	1
Benewah	-	Elmore	-	Nez Perce	7
Bingham	-	Franklin	1	Oneida	-
Blaine	-	Fremont	-	Owyhee	-
Boise	1	Gem	-	Payette	1
Bonner	3	Gooding	-	Power	-
Bonneville	4	Idaho	1	Shoshone	-
Boundary	2	Jefferson	-	Teton	-
Butte	-	Jerome	2	Twin Falls	6
Camas	-	Kootenai	3	Valley	1
Canyon	11	Latah	1	Washington	-
Caribou	-	Lemhi	1		

Stage at Diagnosis - Stomach



Risk and Associated Factors

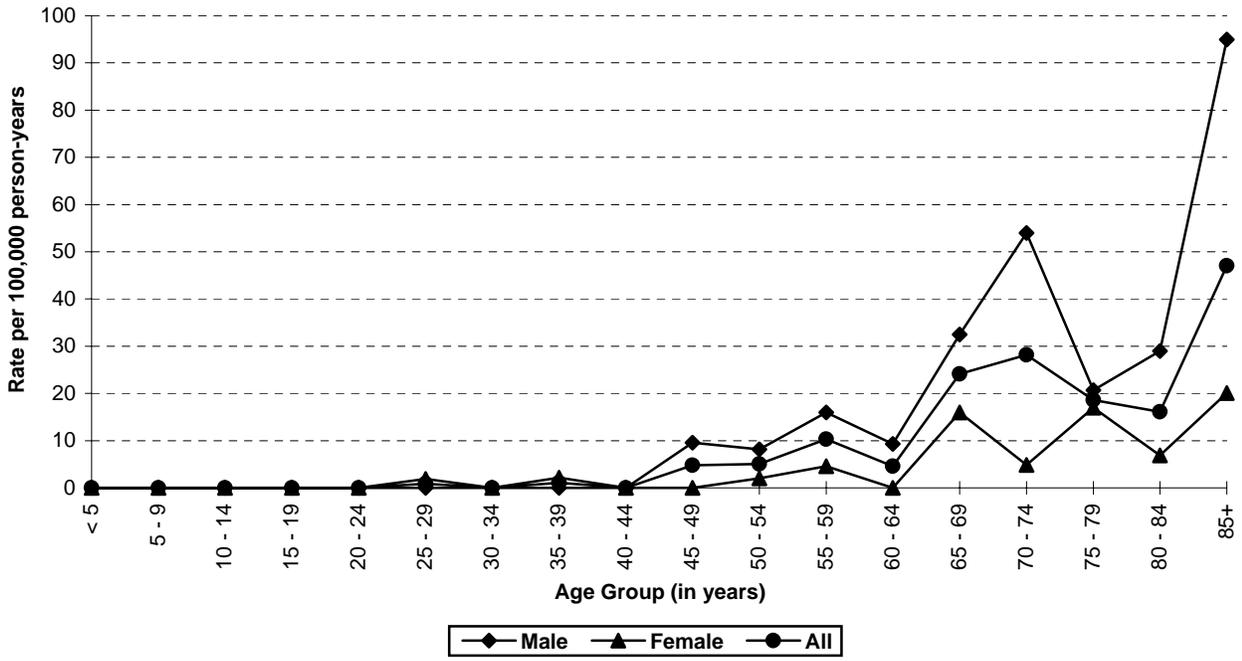
Age	Stomach cancer incidence rates increase with age.
Gender	Incidence rates for males are usually more than twice as high as for females.
Race & SES	Incidence rates are higher among African Americans and Asians, and incidence is also higher in lower SES groups.
Diet	Increased risk has been attributed to diets high in smoked foods and foods high in nitrates. Salt and salted foods contribute to stomach cancer risk. Diets high in fresh fruits and vegetables seem to be protective.
Occupation	Elevated rates have been found in certain occupational groups, especially coal miners and asbestos workers, and occupations with mineral dust exposure.
Other	Stomach cancer has been linked to peptic ulcer disease and to certain bacteria.

Special Notes

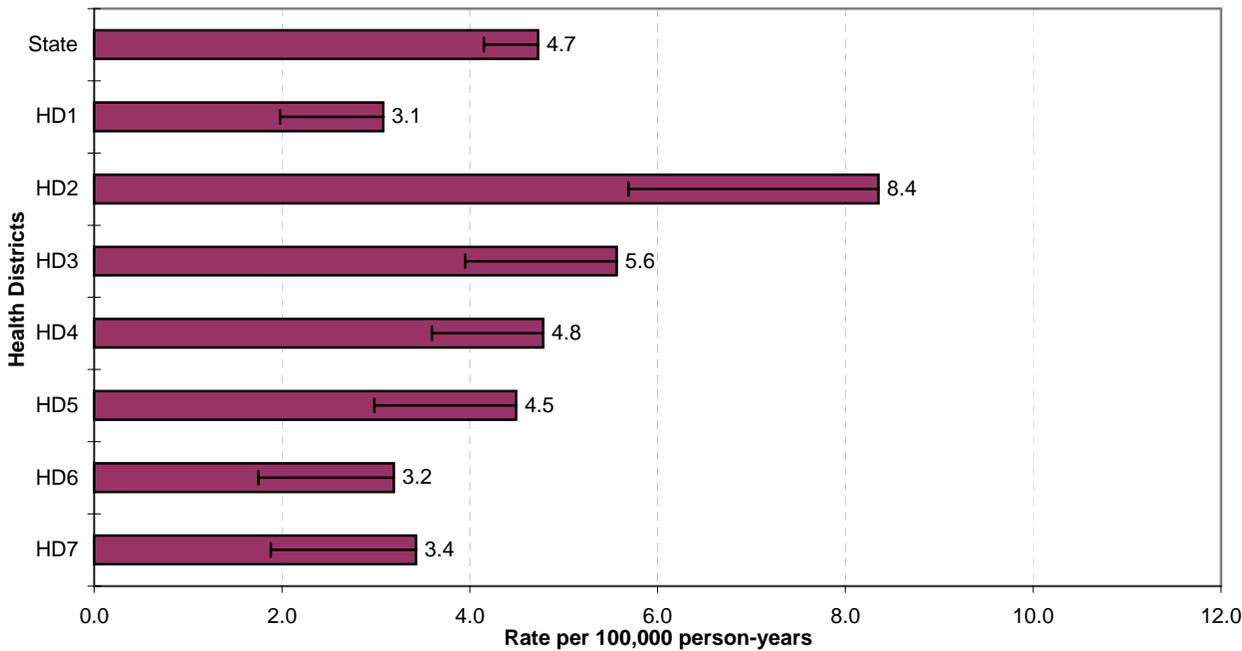
Mean age-adjusted incidence rate across health districts:	4.7
95% confidence interval on the mean age-adjusted incidence rate:	3.3- 6.1
Median age-adjusted incidence rate of health districts:	4.5
Range of age-adjusted incidence rate for health districts:	3.1- 8.4
SEER 17 rate (2005, all races):	7.7
USCS rate (2004, all races):	6.9

There were few cases of stomach cancer among persons aged less than 50 years. The age-specific incidence rates of stomach cancer increased with age, peaking in the 85+ age group for males and females. No health district had statistically significantly fewer or more cases than expected based upon rates for the remainder of Idaho.

**State Stomach Cancer Incidence
Age-specific Rates**



**Stomach Cancer Incidence
Age-adjusted Rates by Health District**



TESTIS

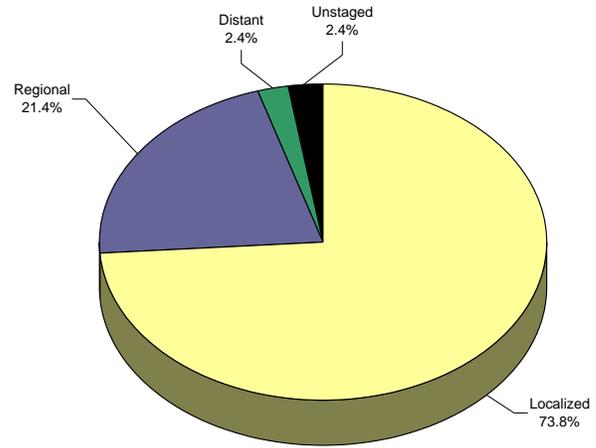
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	-	5.9	-
# of new invasive cases	-	42	-
# of new in-situ cases	-	0	-
# of deaths	-	3	-

Total Cases By County

Ada	12	Cassia	1	Lewis	1
Adams	-	Clark	-	Lincoln	-
Bannock	1	Clearwater	-	Madison	1
Bear Lake	-	Custer	-	Minidoka	-
Benewah	-	Elmore	-	Nez Perce	1
Bingham	1	Franklin	-	Oneida	-
Blaine	1	Fremont	-	Owyhee	-
Boise	1	Gem	-	Payette	1
Bonner	-	Gooding	-	Power	-
Bonneville	5	Idaho	-	Shoshone	-
Boundary	-	Jefferson	-	Teton	-
Butte	-	Jerome	1	Twin Falls	3
Camas	-	Kootenai	3	Valley	-
Canyon	7	Latah	1	Washington	-
Caribou	-	Lemhi	-		

Stage at Diagnosis - Testis



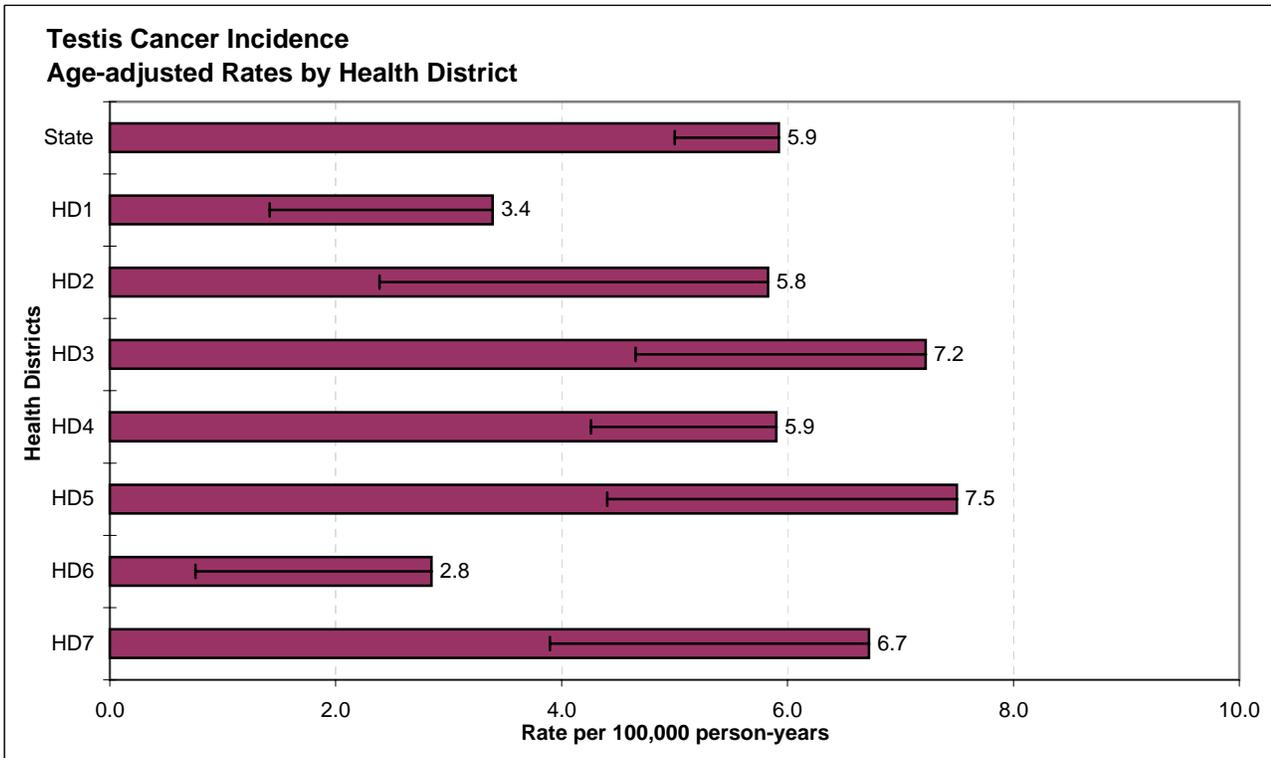
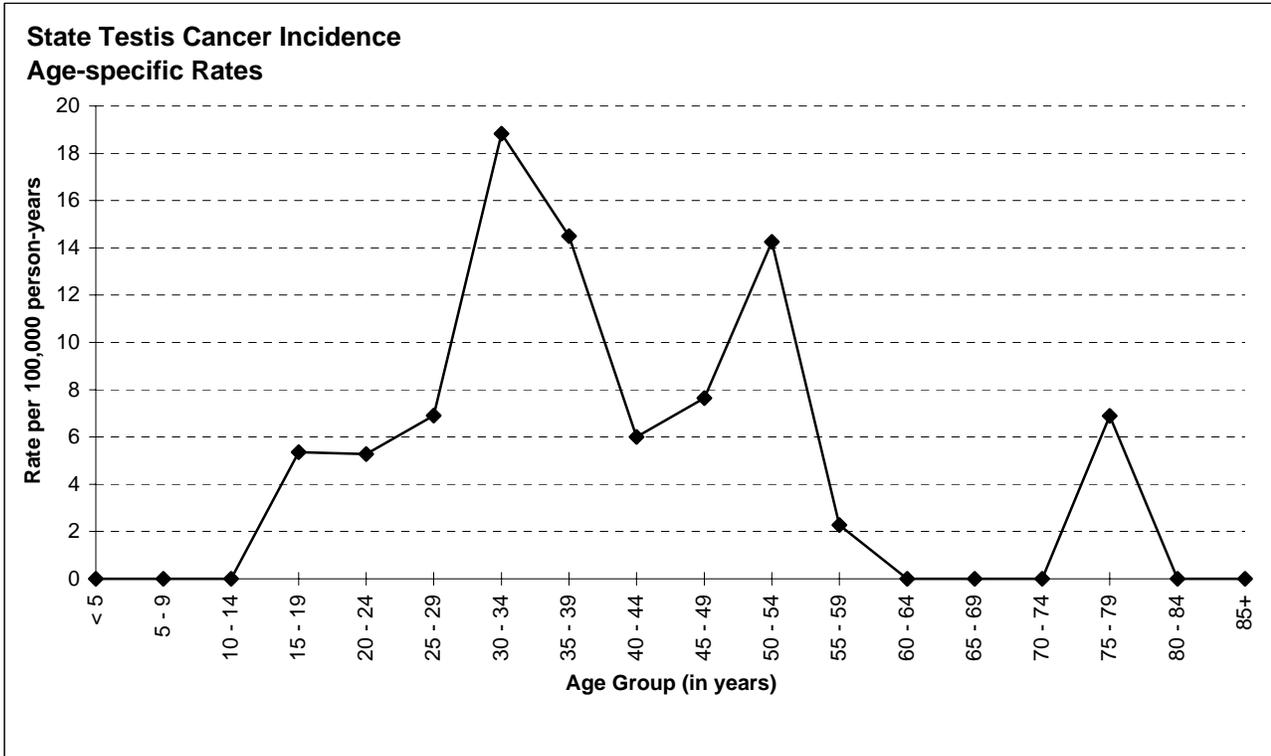
Risk and Associated Factors

- Age** Testicular cancer is the most common cancer in young males, especially males between the ages of 20 and 34.
- Race & SES** Incidence rates are substantially higher in Caucasian males than in African American males. Incidence of testicular cancer is highest in highest socioeconomic classes.
- Other** Undescended testis, a minor abnormality that can usually be detected and corrected with surgery in childhood, is responsible for a substantially high risk for testicular cancer when uncorrected. The extent to which surgical correction reduces cancer risk is unclear. Some evidence suggests that males exposed in utero to diethylstilbestrol (DES) are at increased risk. With current treatment the cure rates for testicular cancer are greater than 80%.

Special Notes

Mean age-adjusted incidence rate across health districts:	5.6
95% confidence interval on the mean age-adjusted incidence rate:	4.3- 7.0
Median age-adjusted incidence rate of health districts:	5.9
Range of age-adjusted incidence rate for health districts:	2.8- 7.5
SEER 17 rate (2005, all races):	5.4
USCS rate (2004, all races):	5.3

The highest age-specific incidence rate was in the 30-34 age group. No health district had statistically significantly fewer or more cases than expected based upon rates for the remainder of Idaho.



THYROID

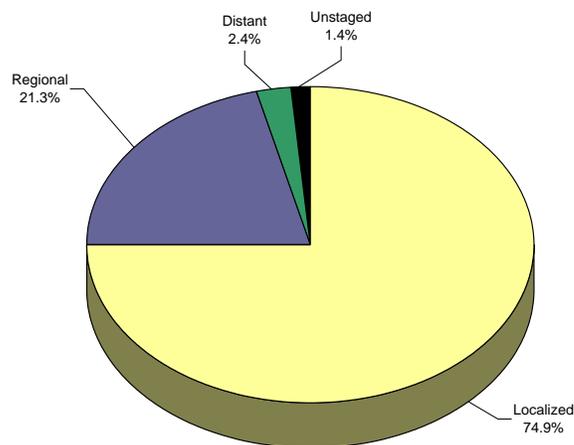
Incidence and Mortality Summary

	Total	Male	Female
Age-adjusted incidence rate per 100,000	14.8	4.5	25.2
# of new invasive cases	211	31	180
# of new in-situ cases	0	0	0
# of deaths	10	6	4

Total Cases By County

Ada	66	Cassia	5	Lewis	-
Adams	1	Clark	-	Lincoln	-
Bannock	4	Clearwater	-	Madison	4
Bear Lake	-	Custer	1	Minidoka	1
Benewah	-	Elmore	10	Nez Perce	-
Bingham	5	Franklin	1	Oneida	1
Blaine	1	Fremont	2	Owyhee	3
Boise	1	Gem	1	Payette	-
Bonner	1	Gooding	-	Power	-
Bonneville	25	Idaho	2	Shoshone	2
Boundary	2	Jefferson	6	Teton	1
Butte	-	Jerome	-	Twin Falls	5
Camas	-	Kootenai	18	Valley	5
Canyon	32	Latah	2	Washington	-
Caribou	1	Lemhi	-		

Stage at Diagnosis - Thyroid



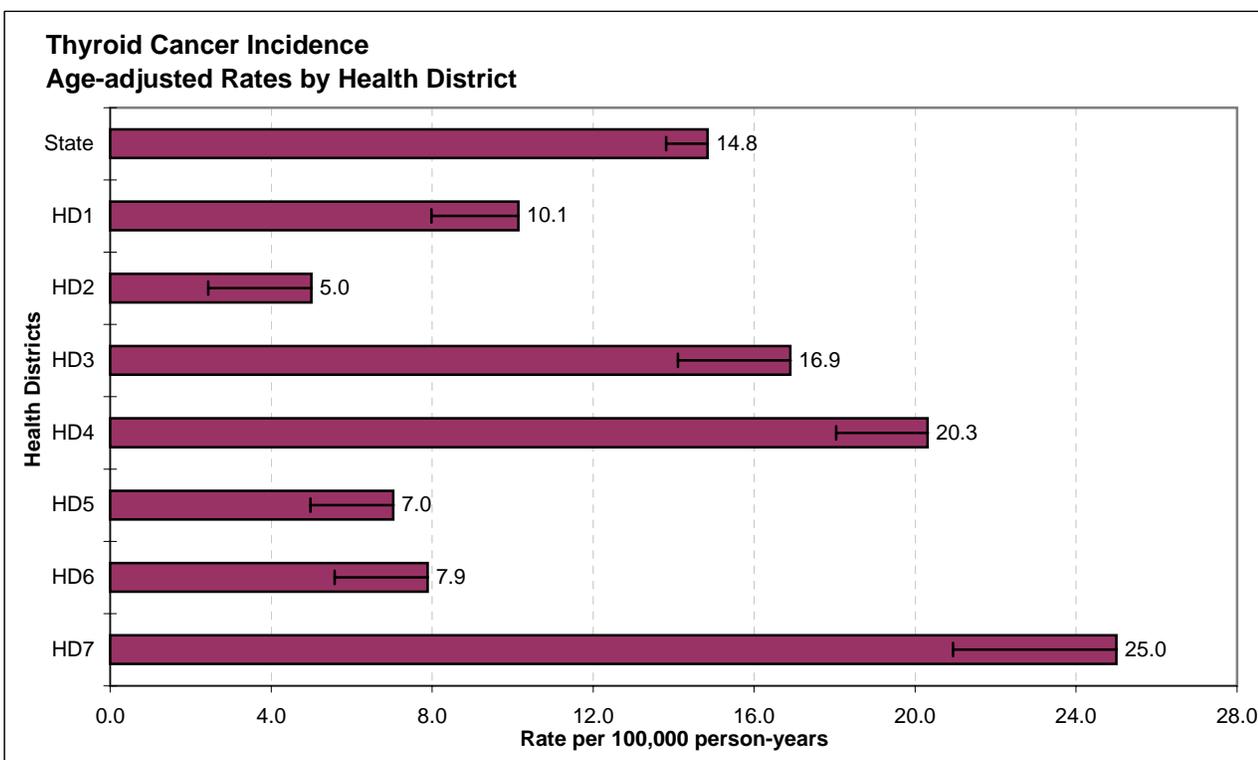
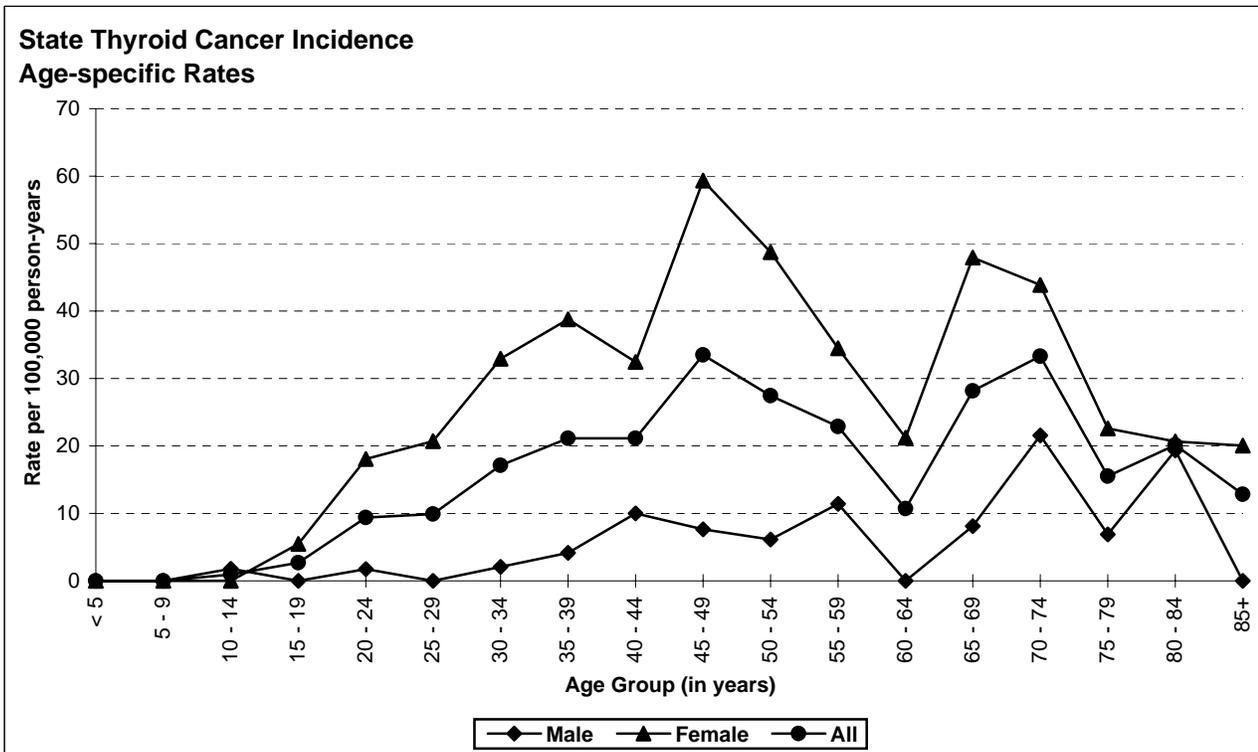
Risk and Associated Factors

Age	Though relatively unusual, thyroid cancer is one of the most common malignancies affecting adolescents and adults up to 50 years of age.
Gender	Two-thirds of the cases are among females.
Race & SES	The incidence is higher in Caucasians and in upper income groups.
Hormonal	Hormonal factors are believed to contribute to the increased risk in females. This is demonstrated by the sharp increase in incidence among women after menarche.
Other	Occupational and environmental exposures to ionizing radiation have been associated with higher rates of thyroid cancer. Radiation exposure to the head and neck in childhood is a well-known risk factor. Family history of thyroid cancer substantially increases the risk. Death due to thyroid cancer under age 40 is rare. Prognosis worsens with each decade of age over 50, partially because anaplastic thyroid cancer, which has a high fatality rate, more often occurs among older patients.

Special Notes

Mean age-adjusted incidence rate across health districts:	13.2
95% confidence interval on the mean age-adjusted incidence rate:	7.6- 18.8
Median age-adjusted incidence rate of health districts:	10.1
Range of age-adjusted incidence rate for health districts:	5.0- 25.0
SEER 17 rate (2005, all races):	10.3
USCS rate (2004, all races):	9.3

The age-specific incidence rates of thyroid cancer were typically higher for females than males. Health Districts 4 and 7 had statistically significantly more cases than expected based upon rates for the remainder of Idaho, and Health Districts 2, 5 and 6 had statistically significantly fewer cases than expected.



SECTION II

STATE OF IDAHO - 2006 INCIDENCE DATA BY SITE AND GENDER

Idaho Resident Cancer Cases (invasive) - 2006

PRIMARY SITE OF CANCER	TOTAL	SEX	
		Male	Female
TOTAL NEW CANCER CASES (invasive)	6,256	3,254	3,002
BUCCAL CAVITY AND PHARYNX	148	106	42
Lip	25	20	5
Tongue	30	24	6
Major salivary glands	20	13	7
Gum and other mouth	16	8	8
Nasopharynx	5	4	1
Oropharynx	6	4	2
Hypopharynx	5	3	2
Tonsil and other buccal cavity	41	30	11
DIGESTIVE SYSTEM	1,004	530	474
Esophagus	63	52	11
Stomach	68	51	17
Small intestine	29	17	12
Colon excluding rectum	397	175	222
Rectum, rectosigmoid and anus	176	97	79
Liver & bile duct	59	40	19
Gallbladder and other biliary	29	8	21
Pancreas	164	88	76
Peritoneum and retroperitoneum	11	1	10
Other digestive	8	1	7
RESPIRATORY SYSTEM	819	435	384
Larynx	44	33	11
Lung and bronchus	749	384	365
Trachea, pleura, and other	26	18	8
SKIN	321	213	108
Melanoma of skin	310	206	104
Other skin cancers	11	7	4
BREAST	916	20	896
FEMALE GENITAL SYSTEM	338	n/a	338
Cervix uteri	53	n/a	53
Corpus uteri	159	n/a	159
Ovary	92	n/a	92
Vagina	6	n/a	6
Vulva	17	n/a	17
Uterus, NOS and other female genital organs	11	n/a	11
MALE GENITAL SYSTEM	1,138	1,138	n/a
Prostate gland	1,090	1,090	n/a
Testis	42	42	n/a
Penis and other male genital organs	6	6	n/a
URINARY SYSTEM	323	204	119
Urinary bladder	130	92	38
Kidney and renal pelvis	183	104	79
Ureter and other urinary organs	10	8	2
LYMPHATIC AND HEMATOPOIETIC TISSUE	592	323	269
Hodgkin lymphoma	40	19	21
Non-Hodgkin lymphoma	261	128	133
Multiple myeloma	79	44	35
Acute lymphocytic leukemia	32	25	7
Chronic lymphocytic leukemia	84	51	33
Acute Myeloid leukemia	51	29	22
Chronic Myeloid leukemia	25	15	10
Other leukemia	20	12	8
OTHER OR UNKNOWN SITES	657	285	372
Eye	17	10	7
Brain	91	53	38
Other nervous system	6	2	4
Thyroid gland	211	31	180
Other endocrine	13	10	3
Bones and joints	21	14	7
Soft tissue (including heart)	25	15	10
Other sites, Ill-defined sites or unknown sites	273	150	123

Idaho Resident Cancer Cases (in-situ) - 2006

PRIMARY SITE OF CANCER	TOTAL	SEX	
		Male	Female
TOTAL NEW CANCER CASES (in-situ)	624	269	355
BUCCAL CAVITY AND PHARYNX	6	4	2
Lip	3	2	1
Tongue	1	1	-
Major salivary glands	-	-	-
Gum and other mouth	-	-	-
Nasopharynx	-	-	-
Oropharynx	-	-	-
Hypopharynx	-	-	-
Tonsil and other buccal cavity	2	1	1
DIGESTIVE SYSTEM	18	13	5
Esophagus	1	1	-
Stomach	-	-	-
Small intestine	-	-	-
Colon excluding rectum	8	7	1
Rectum, rectosigmoid and anus	8	4	4
Liver & bile duct	-	-	-
Gallbladder and other biliary	1	1	-
Pancreas	-	-	-
Peritoneum and retroperitoneum	-	-	-
Other digestive	-	-	-
RESPIRATORY SYSTEM	2	2	-
Larynx	1	1	-
Lung and bronchus	1	1	-
Trachea, pleura, and other	-	-	-
SKIN	221	120	101
Melanoma of skin	221	120	101
Other skin cancers	-	-	-
BREAST	174	-	174
FEMALE GENITAL SYSTEM	31	n/a	31
Cervix uteri	-	n/a	-
Corpus uteri	3	n/a	3
Ovary	1	n/a	1
Vagina	8	n/a	8
Vulva	19	n/a	19
Uterus, NOS and other female genital organs	-	n/a	-
MALE GENITAL SYSTEM	7	7	n/a
Prostate gland	3	3	n/a
Testis	-	-	n/a
Penis and other male genital organs	4	4	n/a
URINARY SYSTEM	163	121	42
Urinary bladder	144	110	34
Kidney and renal pelvis	10	4	6
Ureter and other urinary organs	9	7	2
LYMPHATIC AND HEMATOPOIETIC TISSUE	-	-	-
Hodgkin lymphoma	-	-	-
Non-Hodgkin lymphoma	-	-	-
Multiple myeloma	-	-	-
Acute lymphocytic leukemia	-	-	-
Chronic lymphocytic leukemia	-	-	-
Acute Myeloid leukemia	-	-	-
Chronic Myeloid leukemia	-	-	-
Other leukemia	-	-	-
OTHER OR UNKNOWN SITES	2	2	-
Eye	2	2	-
Brain	-	-	-
Other nervous system	-	-	-
Thyroid gland	-	-	-
Other endocrine	-	-	-
Bones and joints	-	-	-
Soft tissue (including heart)	-	-	-
Other sites, Ill-defined sites or unknown sites	-	-	-

SECTION III

STATE OF IDAHO - 2006 MORTALITY RATES BY SITE AND GENDER

Idaho Resident Cancer Mortality Rates - 2006

Cause of Death	Total			Male			Female		
	Rate	Deaths	Pop	Rate	Deaths	Pop	Rate	Deaths	Pop
All Causes of Death	742.2	10,556	1,466,465	861.5	5,395	738,366	637.5	5,161	728,099
All Malignant Cancers	163.1	2,299	1,466,465	193.5	1,232	738,366	139.1	1,067	728,099
Bladder	4.3	60	1,466,465	7.4	46	738,366	1.8	14	728,099
Brain and Other Nervous System	5.3	78	1,466,465	5.5	39	738,366	5.0	39	728,099
Breast	11.1	159	1,466,465	0.1	1	738,366	20.4	158	728,099
Cervix	0.8	12	1,466,465	0.0	0	738,366	1.6	12	728,099
Colorectal	14.1	197	1,466,465	17.0	107	738,366	11.8	90	728,099
Corpus Uteri	0.9	13	1,466,465	0.0	0	738,366	1.6	13	728,099
Esophagus	5.4	77	1,466,465	9.5	63	738,366	1.8	14	728,099
Hodgkin Lymphoma	0.1	2	1,466,465	0.2	2	738,366	0.0	0	728,099
Kidney	4.2	60	1,466,465	5.7	36	738,366	3.1	24	728,099
Larynx	1.1	15	1,466,465	1.9	11	738,366	0.6	4	728,099
Leukemia	8.3	116	1,466,465	10.8	67	738,366	6.1	49	728,099
Liver and Bile Duct	4.3	61	1,466,465	6.7	45	738,366	2.1	16	728,099
Lung and Bronchus	42.1	589	1,466,465	51.1	327	738,366	34.9	262	728,099
Melanoma of the Skin	2.7	39	1,466,465	4.8	33	738,366	0.8	6	728,099
Myeloma	3.2	44	1,466,465	3.8	24	738,366	2.7	20	728,099
Non-Hodgkin Lymphoma	5.9	83	1,466,465	6.2	38	738,366	5.8	45	728,099
Oral Cavity and Pharynx	2.8	38	1,466,465	3.8	25	738,366	1.8	13	728,099
Ovary	4.6	65	1,466,465	0.0	0	738,366	8.4	65	728,099
Pancreas	10.7	154	1,466,465	10.6	70	738,366	10.7	84	728,099
Prostate	10.4	144	1,466,465	24.6	144	738,366	0.0	0	728,099
Stomach	2.4	34	1,466,465	3.9	25	738,366	1.1	9	728,099
Testis	0.2	3	1,466,465	0.4	3	738,366	0.0	0	728,099
Thyroid	0.7	10	1,466,465	0.8	6	738,366	0.5	4	728,099

Data source: Bureau of Vital Records and Health Statistics (BVRHS), Idaho Department of Health and Welfare, 2007.

Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130) standard.

Cause of death categories are based on SEER cause of death recodes (<http://seer.cancer.gov/codrecode/>), which differ from official BVRHS cancer mortality categories.

SECTION IV

2006 AGE SPECIFIC INCIDENCE RATES PER 100,000 POPULATION BY SITE AND GENDER

IDAHO		AGE SPECIFIC CANCER RATES, PER 100,000 POPULATION, BY SITE AND GENDER																2006	
Age (years)		< 5	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85+
All Cancers																			
	All	25.7	12.3	8.4	26.2	38.4	46.9	83.5	130.9	202.4	352.2	483.8	748.8	1105.0	1787.3	2172.2	2356.5	2393.8	2198.1
	Male	27.6	16.6	7.3	33.9	31.6	32.8	54.4	80.8	149.9	269.8	462.2	779.8	1295.1	2194.5	2665.5	2810.1	3141.9	2872.4
	Female	23.6	7.8	9.6	18.3	46.2	62.2	114.1	183.0	255.7	434.6	505.4	717.5	918.6	1386.2	1726.3	1984.2	1860.5	1818.3
Bladder																			
	All	0.0	1.0	0.0	0.0	0.9	1.8	1.1	1.1	4.0	4.8	11.2	24.0	35.2	84.5	107.6	133.5	120.7	201.0
	Male	0.0	1.8	0.0	0.0	1.8	3.5	2.1	0.0	4.0	7.7	18.3	34.2	46.4	133.9	161.9	206.6	232.0	415.4
	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.1	1.9	4.1	13.8	24.3	36.0	58.5	73.5	41.4	80.2
Brain																			
	All	4.4	1.0	0.0	3.6	1.9	5.4	1.1	4.2	6.0	9.6	5.1	10.3	16.8	10.1	20.5	15.5	20.1	17.1
	Male	3.5	1.8	0.0	5.4	1.8	10.4	0.0	4.1	2.0	15.3	6.1	13.7	24.7	12.2	27.0	13.8	9.7	11.9
	Female	5.5	0.0	0.0	1.8	2.0	0.0	2.2	4.3	10.2	3.8	4.1	6.9	9.1	8.0	14.6	17.0	27.6	20.1
Brain & Other Central Nervous System (Non-Malignant)																			
	All	0.0	0.0	0.9	0.9	0.0	2.7	6.4	3.2	7.1	5.7	14.2	20.6	16.8	20.1	23.1	27.9	20.1	42.8
	Male	0.0	0.0	1.8	0.0	0.0	3.5	2.1	4.1	4.0	1.9	4.1	18.2	3.1	8.1	27.0	13.8	0.0	35.6
	Female	0.0	0.0	0.0	1.8	0.0	1.9	11.0	2.2	10.2	9.6	24.4	23.0	30.3	32.0	19.5	39.6	34.5	46.8
Breast																			
	Female Invasive	0.0	0.0	0.0	0.0	0.0	5.7	26.3	53.8	71.0	164.6	196.9	259.9	339.6	399.5	570.6	491.8	344.5	394.4
	Female In-situ	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.6	26.4	55.5	46.7	46.0	54.6	91.9	48.8	107.4	55.1	40.1
Cervix																			
	Female	0.0	0.0	0.0	0.0	0.0	3.8	13.2	15.1	12.2	23.0	8.1	6.9	15.2	8.0	9.8	0.0	27.6	0.0
Colorectal																			
	All	0.0	0.0	0.0	0.0	0.9	0.0	3.2	7.4	18.1	22.0	41.7	55.0	84.2	132.8	204.9	223.5	293.7	282.2
	Male	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.2	16.0	23.0	42.8	47.9	98.9	154.1	210.4	199.7	367.4	261.1
	Female	0.0	0.0	0.0	0.0	2.0	0.0	2.2	8.6	20.3	21.1	40.6	62.1	69.7	111.9	199.9	243.1	241.2	294.1
Corpus Uteri																			
	Female	0.0	0.0	0.0	0.0	0.0	0.0	4.4	6.5	26.4	23.0	54.8	57.5	57.6	87.9	58.5	33.9	62.0	60.2
Esophagus																			
	All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.9	6.1	10.3	9.2	16.1	23.1	24.8	28.2	17.1
	Male	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	3.8	12.2	16.0	12.4	28.4	43.2	48.2	58.0	23.7
	Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	4.6	6.1	4.0	4.9	5.7	6.9	13.4

IDAHO

AGE SPECIFIC CANCER RATES, PER 100,000 POPULATION, BY SITE AND GENDER

2006

Age (years)	< 5	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85+
Hodgkin Lymphoma																		
All	0.0	1.0	0.0	2.7	5.6	3.6	2.1	3.2	2.0	2.9	3.1	3.4	1.5	8.1	10.3	0.0	0.0	4.3
Male	0.0	0.0	0.0	3.6	3.5	1.7	2.1	0.0	2.0	3.8	2.0	4.6	3.1	12.2	10.8	0.0	0.0	11.9
Female	0.0	1.9	0.0	1.8	8.0	5.7	2.2	6.5	2.0	1.9	4.1	2.3	0.0	4.0	9.8	0.0	0.0	0.0
Kidney & Renal Pelvis																		
All	4.4	0.0	0.0	0.0	0.0	0.9	1.1	3.2	9.1	14.4	12.2	12.6	35.2	52.3	53.8	65.2	80.5	64.2
Male	5.2	0.0	0.0	0.0	0.0	0.0	2.1	2.1	14.0	17.2	16.3	16.0	52.5	56.8	70.2	68.9	87.0	59.4
Female	3.6	0.0	0.0	0.0	0.0	1.9	0.0	4.3	4.1	11.5	8.1	9.2	18.2	47.9	39.0	62.2	75.8	66.9
Larynx																		
All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.7	3.1	6.9	10.7	14.1	15.4	12.4	8.1	8.6
Male	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.7	6.1	9.1	12.4	24.3	21.6	20.7	19.3	23.7
Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	4.6	9.1	4.0	9.8	5.7	0.0	0.0
Leukemia																		
All	9.7	6.6	1.9	3.6	1.9	1.8	3.2	5.3	5.0	10.5	6.1	25.2	26.0	46.3	38.4	74.5	124.7	94.1
Male	12.1	11.1	3.6	5.4	1.8	1.7	2.1	6.2	6.0	9.6	10.2	27.4	40.2	56.8	54.0	96.4	203.0	130.6
Female	7.3	1.9	0.0	1.8	2.0	1.9	4.4	4.3	4.1	11.5	2.0	23.0	12.1	36.0	24.4	56.5	68.9	73.5
Liver & Bile Duct																		
All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.0	8.1	6.9	12.2	18.1	17.9	37.3	8.1	21.4
Male	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.9	14.3	9.1	21.6	24.3	10.8	55.1	0.0	47.5
Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.6	3.0	12.0	24.4	22.6	13.8	6.7
Lung & Bronchus																		
All	0.0	0.0	0.0	0.9	0.9	0.0	4.3	1.1	7.1	18.2	25.4	76.7	140.8	247.6	307.4	419.1	370.1	265.1
Male	0.0	0.0	0.0	0.0	1.8	0.0	4.2	0.0	8.0	9.6	30.5	70.7	148.4	239.3	334.5	482.1	531.7	379.8
Female	0.0	0.0	0.0	1.8	0.0	0.0	4.4	2.2	6.1	26.8	20.3	82.8	133.4	255.7	282.8	367.4	255.0	200.6
Melanoma of the Skin																		
All	0.9	0.0	0.0	1.8	7.5	5.4	8.6	15.8	22.2	37.3	27.4	38.9	42.9	66.4	84.5	62.1	60.4	81.3
Male	0.0	0.0	0.0	1.8	5.3	3.5	4.2	18.7	22.0	45.9	32.6	52.4	68.0	101.4	151.1	103.3	116.0	154.3
Female	1.8	0.0	0.0	1.8	10.0	7.5	13.2	12.9	22.3	28.7	22.3	25.3	18.2	32.0	24.4	28.3	20.7	40.1
Myeloma																		
All	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.0	3.8	4.1	6.9	16.8	36.2	25.6	27.9	36.2	17.1
Male	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.0	5.7	6.1	9.1	18.5	48.7	21.6	27.6	19.3	35.6
Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	1.9	2.0	4.6	15.2	24.0	29.3	28.3	48.2	6.7

IDAHO		AGE SPECIFIC CANCER RATES, PER 100,000 POPULATION, BY SITE AND GENDER														2006			
Age (years)	< 5	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85+	
Non-Hodgkin Lymphoma																			
All	0.0	1.0	0.0	1.8	0.9	0.0	3.2	7.4	10.1	7.7	18.3	32.1	45.9	54.3	66.6	105.6	169.0	102.6	
Male	0.0	0.0	0.0	1.8	1.8	0.0	2.1	8.3	10.0	11.5	22.4	25.1	49.5	60.8	75.5	110.2	135.3	154.3	
Female	0.0	1.9	0.0	1.8	0.0	0.0	4.4	6.5	10.2	3.8	14.2	39.1	42.4	47.9	58.5	101.8	192.9	73.5	
Oral Cavity & Pharynx																			
All	0.0	0.0	0.0	0.0	0.9	0.0	2.1	2.1	6.0	12.4	17.3	22.9	27.6	28.2	43.6	52.8	44.3	42.8	
Male	0.0	0.0	0.0	0.0	1.8	0.0	4.2	4.1	8.0	17.2	26.5	34.2	46.4	40.6	64.8	62.0	77.3	71.2	
Female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	7.7	8.1	11.5	9.1	16.0	24.4	45.2	20.7	26.7	
Ovary																			
Female	0.0	1.9	0.0	0.0	0.0	1.9	0.0	0.0	10.2	9.6	16.2	18.4	30.3	43.9	43.9	84.8	48.2	80.2	
Pancreas																			
All	0.0	0.0	0.0	0.0	0.0	0.9	1.1	0.0	4.0	9.6	4.1	13.7	33.7	48.3	61.5	43.5	88.5	111.2	
Male	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	4.0	11.5	6.1	22.8	37.1	56.8	70.2	41.3	116.0	106.8	
Female	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	4.1	7.7	2.0	4.6	30.3	40.0	53.6	45.2	68.9	113.6	
Prostate																			
Male	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	36.4	142.5	294.1	516.2	969.5	1036.0	950.5	821.7	569.7	
Stomach																			
All	0.0	0.0	0.0	0.0	0.0	0.9	0.0	1.1	0.0	4.8	5.1	10.3	4.6	24.2	28.2	18.6	16.1	47.0	
Male	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	8.1	16.0	9.3	32.5	54.0	20.7	29.0	95.0	
Female	0.0	0.0	0.0	0.0	0.0	1.9	0.0	2.2	0.0	0.0	2.0	4.6	0.0	16.0	4.9	17.0	6.9	20.1	
Testis																			
Male	0.0	0.0	0.0	5.4	5.3	6.9	18.8	14.5	6.0	7.7	14.3	2.3	0.0	0.0	0.0	6.9	0.0	0.0	
Thyroid																			
All	0.0	0.0	0.9	2.7	9.4	9.9	17.1	21.1	21.2	33.5	27.4	22.9	10.7	28.2	33.3	15.5	20.1	12.8	
Male	0.0	0.0	1.8	0.0	1.8	0.0	2.1	4.1	10.0	7.7	6.1	11.4	0.0	8.1	21.6	6.9	19.3	0.0	
Female	0.0	0.0	0.0	5.5	18.1	20.7	32.9	38.8	32.5	59.3	48.7	34.5	21.2	47.9	43.9	22.6	20.7	20.1	

SECTION V

2006 OBSERVED VS. EXPECTED NUMBERS BY HEALTH DISTRICT

**2006 OBSERVED VERSUS EXPECTED NUMBERS
BY
HEALTH DISTRICT**

ALL SEXES

	HD 1		HD 2		HD 3		HD 4		HD 5		HD 6		HD 7	
	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP
All Sites	1,063	1,049.5	520	537.6	1,020	988.1	1,750	1,560.9*	771	828.7+	570	698.8*	617	713.7*
Bladder	52	44.2	32	23.5	36	45.2	78	62.6	27	37.7	30	29.2	19	30.5+
Brain	18	13.3	7	7.0	13	14.5	28	22.6	11	11.2	7	10.2	7	11.0
Brain & CNS non-Malignant	18	18.2	13	8.7	11	18.7	37	27.3	12	14.5	13	11.9	9	12.9
Breast	155	149.9	72	75.2	121	143.3	250	231.8	120	115.4	101	97.4	93	101.7
Breast (in-situ)	24	29.2	25	12.9*	27	26.0	53	43.2	24	21.4	10	19.6+	11	20.5+
Cervix	8	8.0	2	3.9	9	8.0	15	15.5	7	6.2	3	5.8	9	5.5
Colorectal	104	88.6	50	47.5	88	86.2	140	133.6	58	74.4	57	59.3	53	60.5
Corpus Uteri	27	25.8	17	12.3	21	24.4	39	43.0	18	20.1	19	16.7	17	17.7
Esophagus	17	9.2+	6	5.2	9	9.8	14	16.6	10	7.9	2	7.3+	5	7.1
Hodgkin lymphoma	10	5.1	2	3.1	8	5.9	8	11.9	4	4.8	2	4.7	6	4.7
Kidney & renal pelvis	41	27.6+	9	15.8	34	27.7	50	45.5	17	24.5	18	19.8	14	21.0
Larynx	7	7.5	4	3.6	13	5.5*	8	12.5	2	6.1	7	4.4	3	5.1
Leukemia	40	32.3	9	18.2+	42	32.3	64	49.7	25	27.8	12	24.4*	17	24.7
Liver & bile duct	15	8.8	10	4.5+	6	9.6	16	14.1	6	7.9	3	6.7	3	6.9
Lung & bronchus	127	125.6	82	63.9+	120	116.3	210	171.3*	88	99.9	67	81.8	53	84.6*
Melanoma of skin	52	48.9	11	25.9*	56	46.1	93	78.4	40	38.2	9	35.9*	30	35.3
Myeloma	17	12.5	4	7.0	14	11.9	22	18.9	8	10.5	9	8.4	5	9.1
N-H Lymphoma	37	43.9	32	21.3+	44	40.1	55	68.5	34	34.0	21	28.6	36	27.5
Oral cavity & pharynx	23	24.5	17	11.8	20	23.0	40	37.3	21	18.5	8	16.8+	15	16.4
Ovary	19	14.2	6	7.9	12	14.9	20	23.8	14	11.8	10	9.8	9	10.2
Pancreas	25	27.4	17	14.0	30	25.1	49	36.8	14	22.7	14	17.9	15	17.9
Prostate	140	194.6*	72	95.3+	173	166.0	296	256.1+	156	138.2	108	118.1	108	121.3
Stomach	8	11.8	10	5.4	12	10.5	17	16.8	9	8.8	5	7.6	5	7.6
Testis	3	6.3	3	2.8	8	6.5	13	12.2	6	4.6	2	4.7	6	4.7
Thyroid	23	33.5	4	16.4*	37	31.7	82	50.9*	12	26.8*	12	23.7+	39	22.2*
Pediatric (age 0-19)	5	10.4	1	5.1	19	12.4	33	16.3*	8	9.9	8	10.0	5	12.9+

+ Statistically significant difference at p=0.05 or less.

* Statistically significant difference at p=0.01 or less.

Note: Observed and expected numbers exclude in-situ cases, basal/squamous skin cases, and cases with unknown age and/or gender.

**2006 OBSERVED VERSUS EXPECTED NUMBERS
BY
HEALTH DISTRICT**

MALES

	HD 1		HD 2		HD 3		HD 4		HD 5		HD 6		HD 7	
	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP
All Sites	530	573.2	262	292.9	555	507.4+	950	781.7 *	393	440.2+	297	369.8 *	312	380.3 *
Bladder	33	34.5	23	17.9	25	33.1	64	42.6 *	21	28.0	20	21.8	16	22.6
Brain	9	8.1	5	4.0	6	8.6	21	11.2+	4	6.7	4	6.0	4	6.5
Brain & CNS non-Malignant	7	4.7	3	2.5	1	5.7+	10	7.6	4	3.9	3	3.4	4	3.4
Breast	5	3.0	2	1.7	1	3.5	3	5.7	0	3.0	7	1.6 *	2	2.2
Breast (in-situ)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cervix	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Colorectal	49	43.6	20	23.3	42	40.4	75	60.3	26	35.8	31	28.2	22	29.9
Corpus Uteri	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Esophagus	12	8.2	6	4.3	9	7.7	12	13.4	7	6.6	1	6.2+	5	5.8
Hodgkin lymphoma	5	2.5	1	1.6	4	2.7	3	5.6	1	2.5	0	2.3	5	1.9
Kidney & renal pelvis	26	15.3+	4	9.0	18	15.5	33	24.4	7	14.2	8	11.6	8	12.1
Larynx	4	5.9	4	2.7	11	3.9*	6	9.2	1	4.7	4	3.5	3	3.7
Leukemia	22	21.0	5	11.5	26	19.9	42	29.3+	15	17.5	10	15.0	11	15.6
Liver & bile duct	8	6.4	8	2.9+	4	6.4	10	10.0	5	5.2	3	4.4	2	4.7
Lung & bronchus	70	64.9	40	33.9	64	58.3	103	86.2	41	52.2	34	42.3	30	43.3+
Melanoma of skin	37	33.0	6	18.0*	39	30.0	65	48.7+	24	26.2	6	23.8 *	17	23.8
Myeloma	8	7.3	2	3.9	7	6.6	15	9.8	5	5.7	6	4.6	1	5.4
N-H Lymphoma	13	22.9+	16	10.5	28	18.1+	28	32.9	13	17.3	10	14.1	19	13.5
Oral cavity & pharynx	15	17.9	9	8.8	16	15.9	30	26.2	15	13.2	7	11.9	10	12.0
Ovary	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pancreas	13	15.1	9	7.6	14	13.4	26	19.8	7	12.2	10	9.4	9	9.7
Prostate	140	198.5 *	72	97.5 *	173	162.9	296	251.0 *	156	137.7	108	119.1	108	122.6
Stomach	6	9.1	8	4.1	9	7.7	12	12.7	9	6.3	2	5.9	4	5.8
Testis	3	6.2	3	2.9	8	6.5	13	12.6	6	4.6	2	4.6	6	4.7
Thyroid	4	5.0	0	2.6	6	4.4	12	7.3	1	4.1	1	3.6	6	3.2
Pediatric (age 0-19)	4	6.3	1	3.2	9	8.0	22	9.0 *	4	6.1	5	5.9	3	7.4

+ Statistically significant difference at p=0.05 or less.

* Statistically significant difference at p=0.01 or less.

Note: Observed and expected numbers exclude in-situ cases, basal/squamous skin cases, and cases with unknown age and/or gender.

**2006 OBSERVED VERSUS EXPECTED NUMBERS
BY
HEALTH DISTRICT**

FEMALES

	HD 1		HD 2		HD 3		HD 4		HD 5		HD 6		HD 7	
	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP	OBS	EXP
All Sites	533	481.6+	258	246.6	465	478.4	800	771.0	378	388.9	273	330.3 *	305	334.9
Bladder	19	10.4+	9	5.9	11	11.7	14	19.0	6	10.1	10	7.4	3	8.1
Brain	9	5.2	2	3.0	7	5.8	7	11.3	7	4.5	3	4.3	3	4.5
Brain & CNS non-Malignant	11	13.5	10	6.1	10	13.1	27	19.6	8	10.5	10	8.4	5	9.5
Breast	150	145.9	70	72.3	120	141.5	247	227.3	120	112.5	94	95.7	91	99.0
Breast (in-situ)	24	29.1	25	12.7 *	27	26.3	53	43.3	24	21.4	10	19.5+	11	20.4+
Cervix	8	8.1	2	3.9	9	8.1	15	15.1	7	6.1	3	5.9	9	5.5
Colorectal	55	44.9	30	24.2	46	45.8	65	73.3	32	38.6	26	31.3	31	30.6
Corpus Uteri	27	25.8	17	12.1	21	24.7	39	43.1	18	20.1	19	16.7	17	17.5
Esophagus	5	1.2+	0	1.0	0	2.1	2	3.1	3	1.2	1	1.2	0	1.3
Hodgkin lymphoma	5	2.7	1	1.5	4	3.3	5	6.1	3	2.3	2	2.4	1	2.8
Kidney & renal pelvis	15	12.3	5	6.8	16	12.1	17	21.0	10	10.4	10	8.2	6	8.9
Larynx	3	1.6	0	1.0	2	1.6	2	3.2	1	1.4	3	1.0	0	1.4
Leukemia	18	11.4	4	6.7	16	12.3	22	20.0	10	10.4	2	9.5 *	6	9.1
Liver & bile duct	7	2.4+	2	1.6	2	3.2	6	4.1	1	2.8	0	2.3	1	2.2
Lung & bronchus	57	61.1	42	30.2+	56	57.9	107	84.2 +	47	48.0	33	39.6	23	41.4*
Melanoma of skin	15	16.2	5	8.1	17	15.9	28	29.0	16	12.0	3	12.2 *	13	11.7
Myeloma	9	5.3	2	3.1	7	5.3	7	9.1	3	4.8	3	3.8	4	3.7
N-H Lymphoma	24	21.1	16	10.9	16	22.0	27	35.5	21	16.8	11	14.5	17	14.1
Oral cavity & pharynx	8	6.6	8	3.1+	4	7.0	10	11.0	6	5.3	1	4.9	5	4.5
Ovary	19	14.0	6	7.8	12	15.1	20	24.2	14	11.7	10	9.8	9	10.1
Pancreas	12	12.3	8	6.5	16	11.7	23	17.0	7	10.5	4	8.6	6	8.2
Prostate	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Stomach	2	2.8	2	1.4	3	2.8	5	3.9	0	2.5	3	1.7	1	1.9
Testis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Thyroid	19	28.9	4	13.6 *	31	27.6	70	42.9 *	11	22.5+	11	20.3+	33	19.2*
Pediatric (age 0-19)	1	4.2	0	2.0	10	4.5+	11	7.3	4	3.8	3	4.1	2	5.3

+ Statistically significant difference at p=0.05 or less.

* Statistically significant difference at p=0.01 or less.

Note: Observed and expected numbers exclude in-situ cases, basal/squamous skin cases, and cases with unknown age and/or gender.

SECTION VI

RISKS OF DEVELOPING AND DYING FROM CANCER

Risks of Developing and Dying from Cancer

For Females

If your current age is:	Then your risk of <u>developing cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 74	1 in 23	1 in 10	1 in 5	1 in 3	1 in 2
40		1 in 32	1 in 11	1 in 5	1 in 3	1 in 2
50			1 in 16	1 in 6	1 in 3	1 in 2
60				1 in 9	1 in 4	1 in 3
70					1 in 6	1 in 3
80						1 in 4

If your current age is:	Then your risk of <u>dying from cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 795	1 in 139	1 in 45	1 in 17	1 in 8	1 in 5
40		1 in 167	1 in 47	1 in 17	1 in 8	1 in 5
50			1 in 64	1 in 19	1 in 9	1 in 5
60				1 in 26	1 in 10	1 in 5
70					1 in 14	1 in 6
80						1 in 8

For Males

If your current age is:	Then your risk of <u>developing cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 126	1 in 35	1 in 11	1 in 4	1 in 2	1 in 2
40		1 in 47	1 in 12	1 in 4	1 in 2	1 in 2
50			1 in 15	1 in 5	1 in 2	1 in 2
60				1 in 6	1 in 3	1 in 2
70					1 in 3	1 in 2
80						1 in 2

If your current age is:	Then your risk of <u>dying from cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 654	1 in 151	1 in 43	1 in 15	1 in 7	1 in 4
40		1 in 193	1 in 45	1 in 15	1 in 7	1 in 4
50			1 in 58	1 in 15	1 in 7	1 in 4
60				1 in 20	1 in 7	1 in 4
70					1 in 10	1 in 5
80						1 in 6

Risks of Developing and Dying from Cancer

Female Breast Cancer

If your current age is:	Then your risk of <u>developing breast cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 268	1 in 63	1 in 27	1 in 14	1 in 10	1 in 8
40		1 in 82	1 in 29	1 in 15	1 in 10	1 in 8
50			1 in 45	1 in 18	1 in 11	1 in 9
60				1 in 28	1 in 14	1 in 10
70					1 in 24	1 in 14
80						1 in 23

If your current age is:	Then your risk of <u>dying from breast cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 2550	1 in 521	1 in 190	1 in 96	1 in 56	1 in 35
40		1 in 649	1 in 204	1 in 99	1 in 56	1 in 35
50			1 in 292	1 in 114	1 in 61	1 in 37
60				1 in 180	1 in 74	1 in 40
70					1 in 112	1 in 47
80						1 in 61

Prostate Cancer

If your current age is:	Then your risk of <u>developing prostate cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 11932	1 in 346	1 in 42	1 in 12	1 in 7	1 in 5
40		1 in 350	1 in 41	1 in 12	1 in 7	1 in 5
50			1 in 45	1 in 12	1 in 7	1 in 5
60				1 in 15	1 in 7	1 in 5
70					1 in 11	1 in 7
80						1 in 11

If your current age is:	Then your risk of <u>dying from prostate cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in *	1 in 22733	1 in 1641	1 in 272	1 in 76	1 in 28
40		1 in 22388	1 in 1616	1 in 268	1 in 74	1 in 28
50			1 in 1687	1 in 263	1 in 72	1 in 27
60				1 in 292	1 in 71	1 in 26
70					1 in 80	1 in 24
80						1 in 23

Note: * Risk is not precise - estimate not shown.

Risks of Developing and Dying from Cancer

Colon/Rectal Cancer in Females

If your current age is:	Then your risk of <u>developing colon/rectal cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 1924	1 in 405	1 in 149	1 in 63	1 in 33	1 in 21
40		1 in 509	1 in 160	1 in 64	1 in 33	1 in 21
50			1 in 229	1 in 72	1 in 35	1 in 21
60				1 in 101	1 in 39	1 in 23
70					1 in 57	1 in 26
80						1 in 36

If your current age is:	Then your risk of <u>dying from colon/rectal cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 13603	1 in 2057	1 in 673	1 in 227	1 in 103	1 in 52
40		1 in 2404	1 in 702	1 in 229	1 in 103	1 in 52
50			1 in 973	1 in 248	1 in 106	1 in 52
60				1 in 319	1 in 114	1 in 52
70					1 in 159	1 in 56
80						1 in 66

Colon/Rectal Cancer in Males

If your current age is:	Then your risk of <u>developing colon/rectal cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 1753	1 in 399	1 in 125	1 in 50	1 in 27	1 in 19
40		1 in 509	1 in 132	1 in 50	1 in 27	1 in 19
50			1 in 172	1 in 54	1 in 28	1 in 19
60				1 in 73	1 in 31	1 in 20
70					1 in 45	1 in 23
80						1 in 31

If your current age is:	Then your risk of <u>dying from colon/rectal cancer</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 7449	1 in 1674	1 in 556	1 in 176	1 in 82	1 in 50
40		1 in 2127	1 in 591	1 in 178	1 in 82	1 in 49
50			1 in 793	1 in 188	1 in 82	1 in 49
60				1 in 230	1 in 86	1 in 49
70					1 in 117	1 in 53
80						1 in 64

Risks of Developing and Dying from Cancer

Melanoma in Females

If your current age is:	Then your risk of <u>developing melanoma</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 555	1 in 246	1 in 144	1 in 97	1 in 73	1 in 59
40		1 in 437	1 in 192	1 in 117	1 in 83	1 in 65
50			1 in 335	1 in 156	1 in 101	1 in 75
60				1 in 279	1 in 137	1 in 93
70					1 in 243	1 in 125
80						1 in 193

If your current age is:	Then your risk of <u>dying from melanoma</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 22667	1 in 4675	1 in 2616	1 in 1441	1 in 720	1 in 421
40		1 in 5844	1 in 2935	1 in 1527	1 in 738	1 in 426
50			1 in 5783	1 in 2027	1 in 828	1 in 450
60				1 in 2994	1 in 928	1 in 468
70					1 in 1210	1 in 500
80						1 in 642

Melanoma in Males

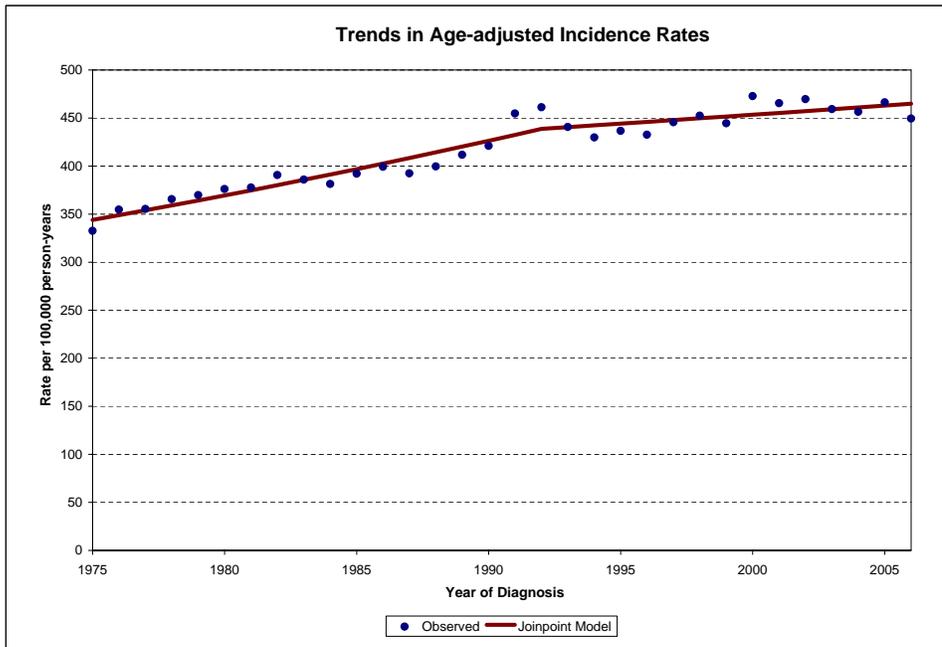
If your current age is:	Then your risk of <u>developing melanoma</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 763	1 in 268	1 in 127	1 in 69	1 in 45	1 in 36
40		1 in 406	1 in 150	1 in 75	1 in 47	1 in 37
50			1 in 229	1 in 88	1 in 51	1 in 40
60				1 in 134	1 in 62	1 in 45
70					1 in 97	1 in 57
80						1 in 90

If your current age is:	Then your risk of <u>dying from melanoma</u> by a particular age is:					
	By age 40	By age 50	By age 60	By age 70	By age 80	Ever
30	1 in 5321	1 in 2039	1 in 967	1 in 466	1 in 263	1 in 199
40		1 in 3254	1 in 1164	1 in 503	1 in 272	1 in 204
50			1 in 1756	1 in 576	1 in 288	1 in 210
60				1 in 804	1 in 323	1 in 224
70					1 in 462	1 in 266
80						1 in 417

SECTION VII

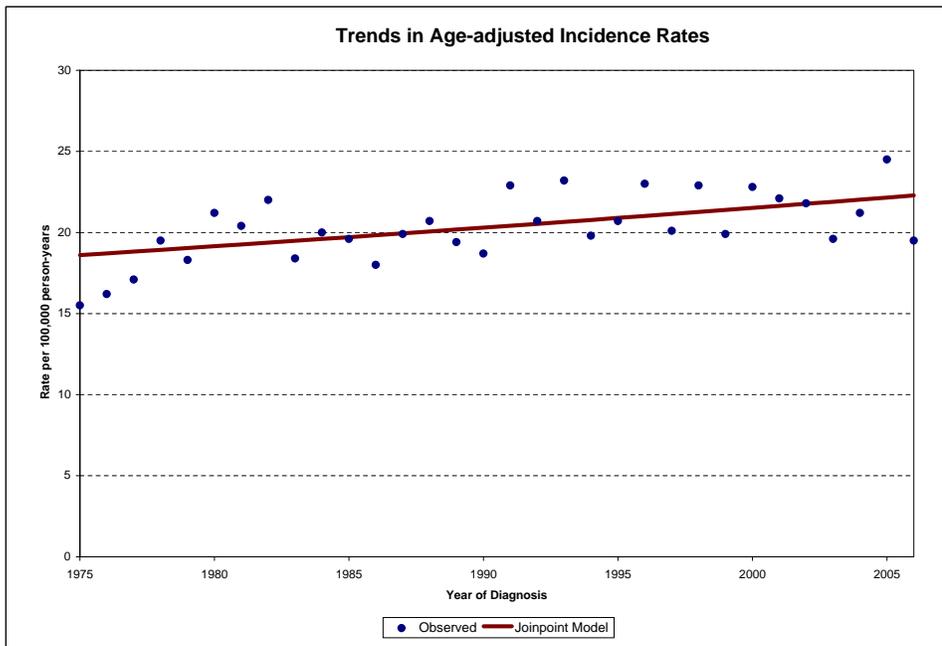
CANCER TRENDS IN IDAHO 1975-2006

All Sites



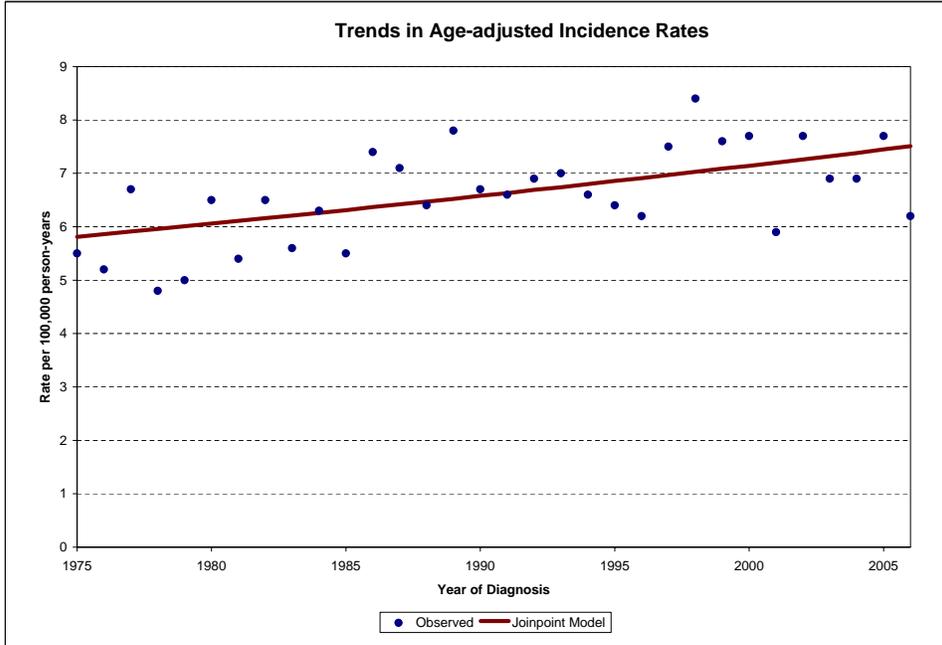
Cancer incidence increased at a rate of about 1.4% per year in Idaho from 1975 to 1992, after which the rate of increase lessened to about 0.4% per year. Cancer incidence trends over time were different for males and females. For males, much of the overall trend is due to the trend in prostate cancer incidence. For females, much of the overall trend is due to the trend in breast cancer incidence.

Bladder



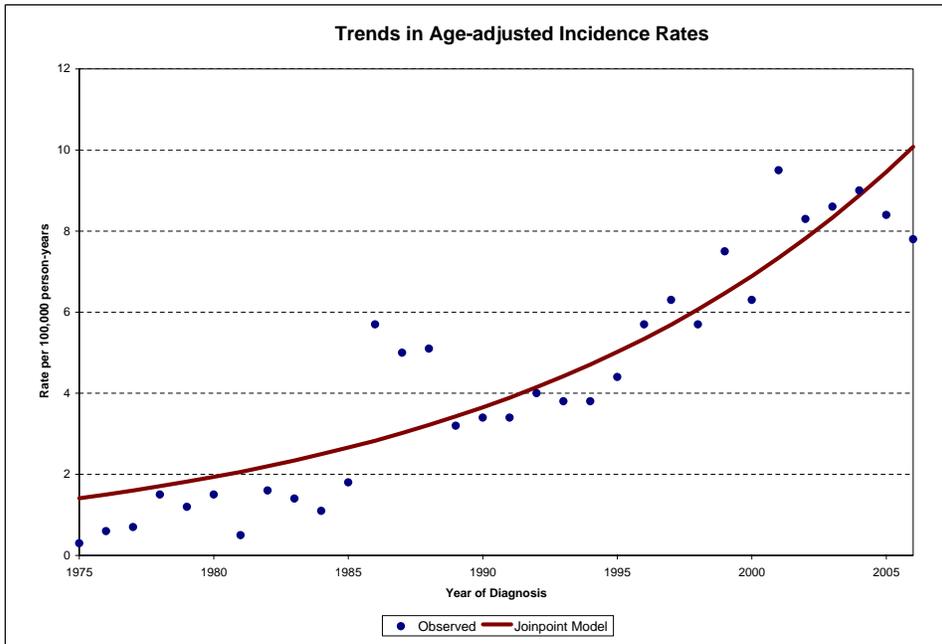
Bladder cancer incidence includes in-situ and invasive cases. Bladder cancer incidence increased at a rate of about 0.6% per year in Idaho from 1975 to 2006. Most of the increase in bladder cancer incidence is attributable to males, who have rates of bladder cancer incidence about 4-5 times those of females.

Brain



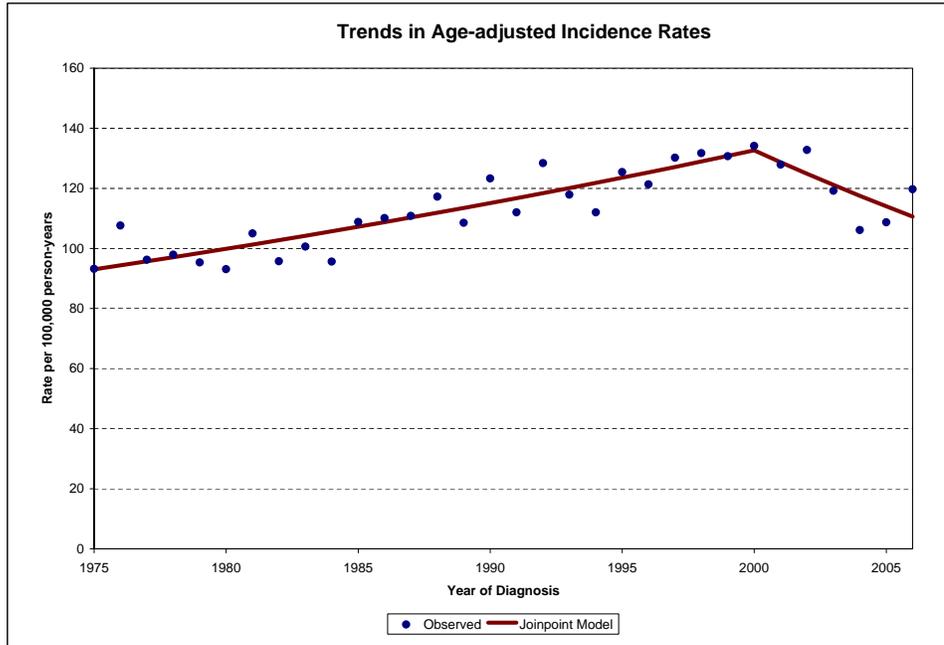
Malignant brain cancer incidence increased at a rate of about 0.8% per year in Idaho from 1975 to 2006. Most of the increase in malignant brain cancer incidence is attributable to males, whose rates increased about 1.7% per year until 2000, after which the rates decreased about 3.9% per year.

Brain and Other CNS, Non-Malignant



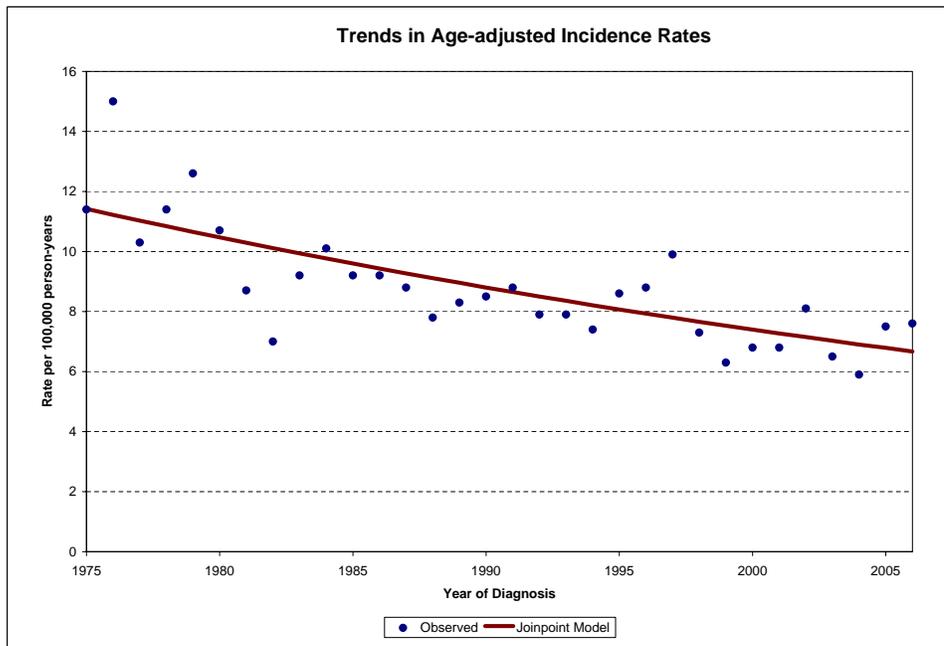
Non-malignant brain and other central nervous system tumors include those with benign and borderline behavior. Non-malignant brain and other CNS tumor incidence increased at a rate of about 6.6 % per year in Idaho from 1975 to 2006.

Breast Female



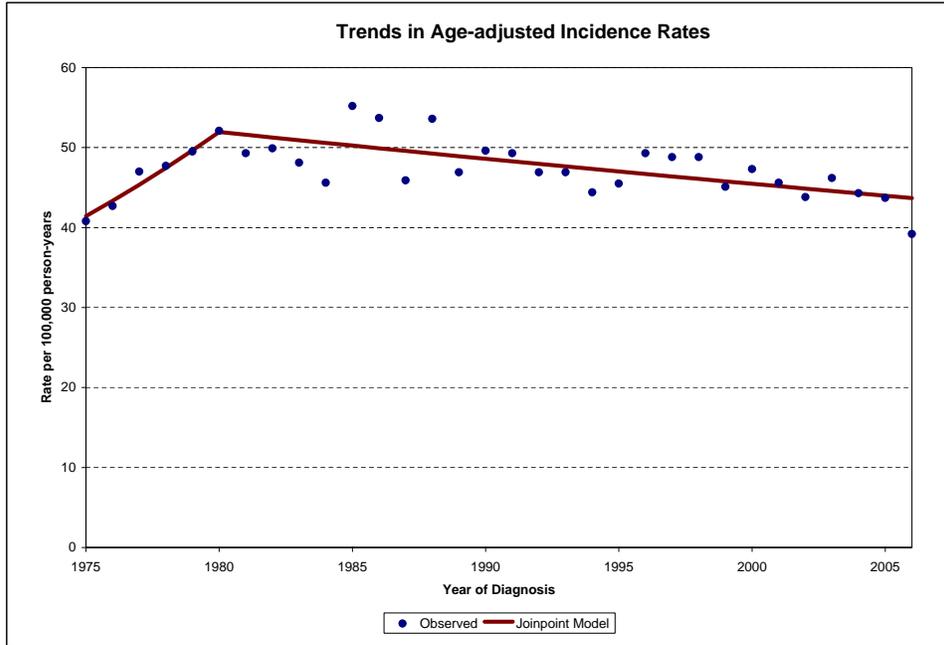
Invasive breast cancer incidence increased at a rate of about 1.4% per year among female Idahoans from 1975 to 2000, after which the rate decreased by about 3% per year. This may be due in part to a decrease in the use of hormone replacement therapy. In-situ breast cancer rates increased at a rate of about 14.1% per year from 1975 to 1990, after which the rate of increased slowed to about 2.4% per year (data not shown).

Cervix



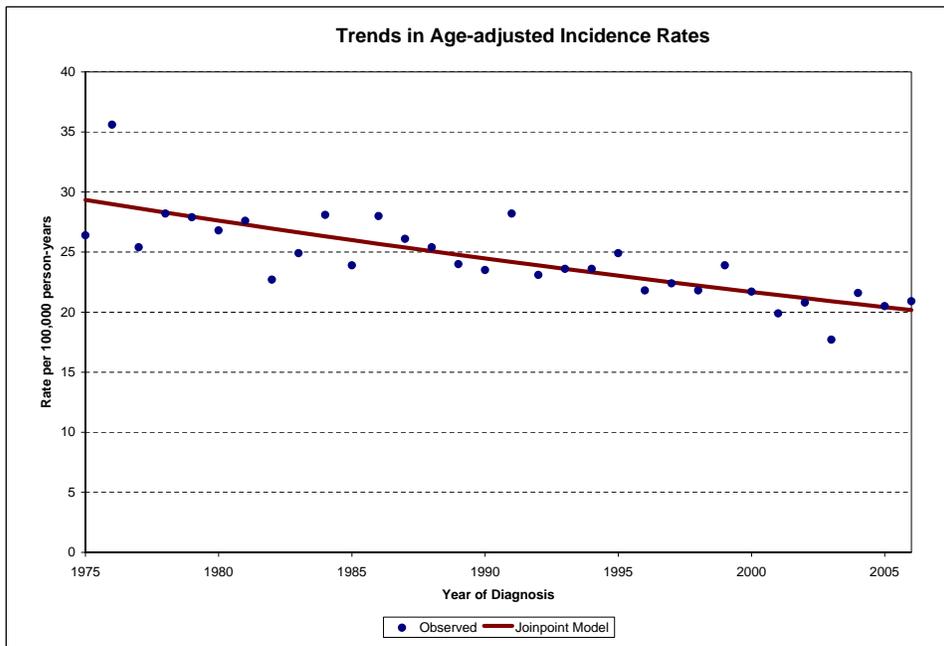
Invasive cervical cancer incidence has decreased about 1.7% per year in Idaho from 1975 to 2006.

Colorectal



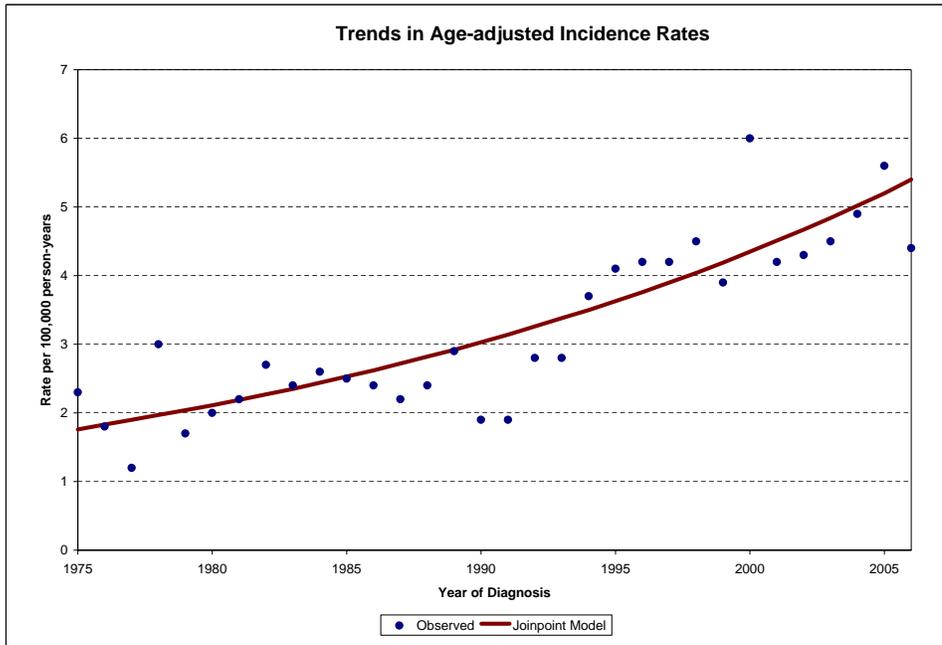
Colorectal cancer incidence increased at a rate of about 4.6% per year in Idaho from 1975 to 1980, after which the rate decreased about 0.7% per year. Colorectal cancer incidence trends over time were different for males and females. For males, rates increased from 1975 to 1988, then decreased. For females, rates decreased slowly across the entire time series.

Corpus Uteri



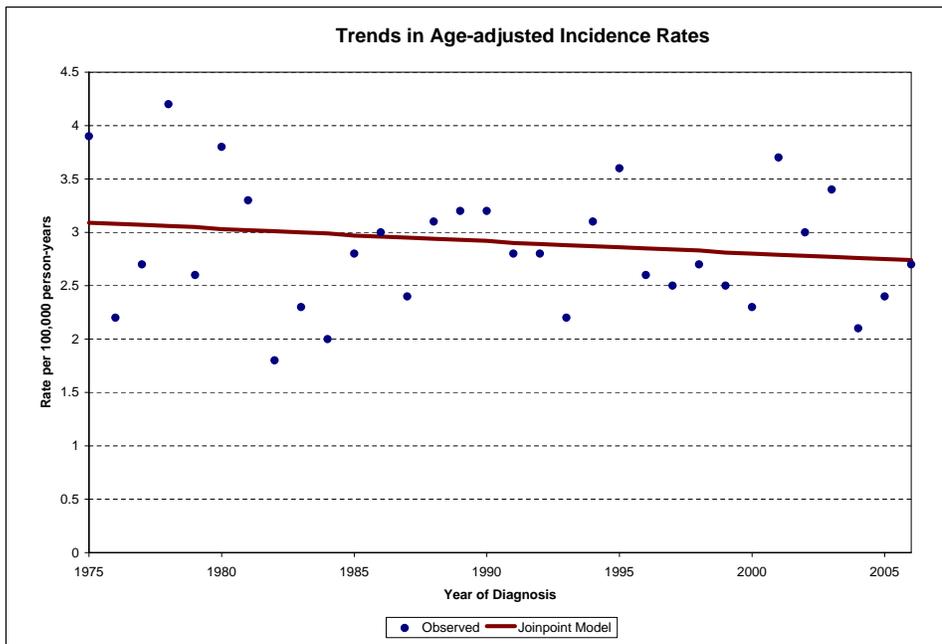
Corpus uteri cancer incidence decreased at a rate of about 1.2% per year among female Idahoans from 1975 to 2006.

Esophagus



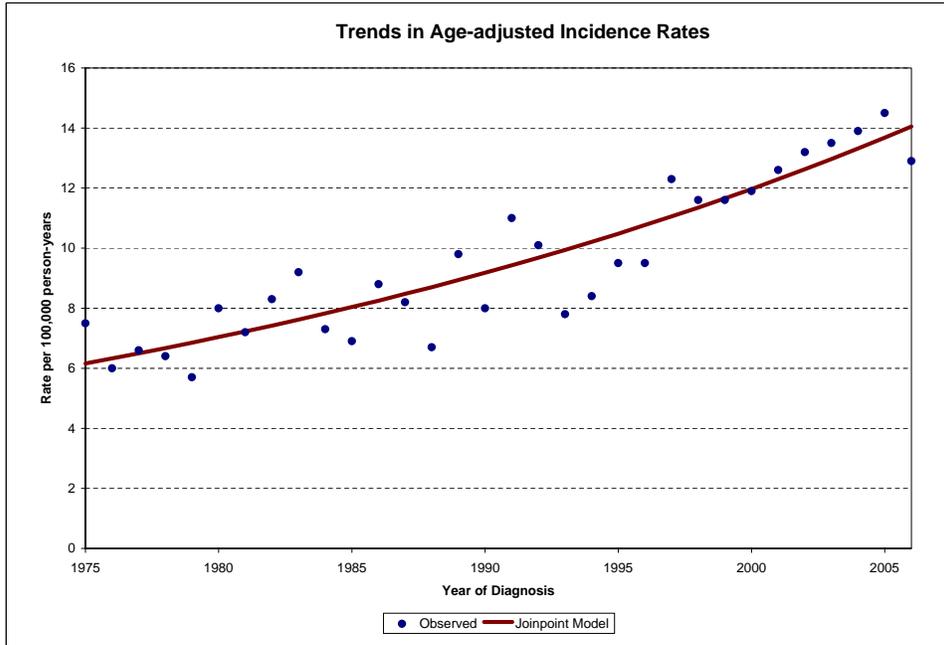
Esophageal cancer incidence increased at a rate of about 3.7% per year in Idaho from 1975 to 2006. The rate of increase was higher for males (3.9% per year) than for females (2.3% per year), and rates of esophageal cancers among males were about 3-4 times those among females.

Hodgkin Lymphoma



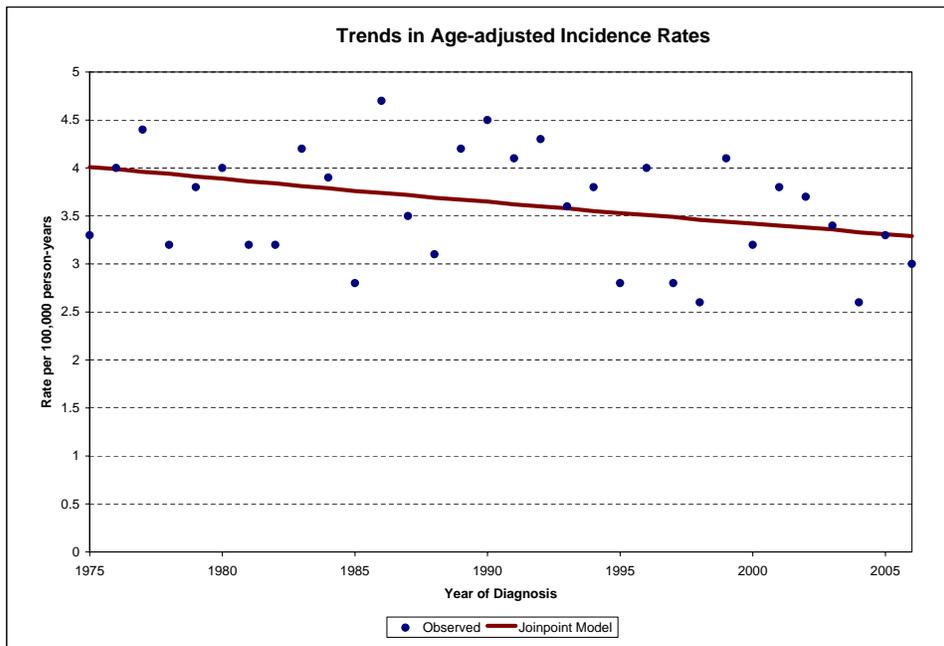
There was no statistically significant trend in Hodgkin lymphoma incidence in Idaho from 1975 to 2006; rates were stable but showed year-to-year variability due to the relatively small numbers of cases diagnosed annually.

Kidney and Renal Pelvis



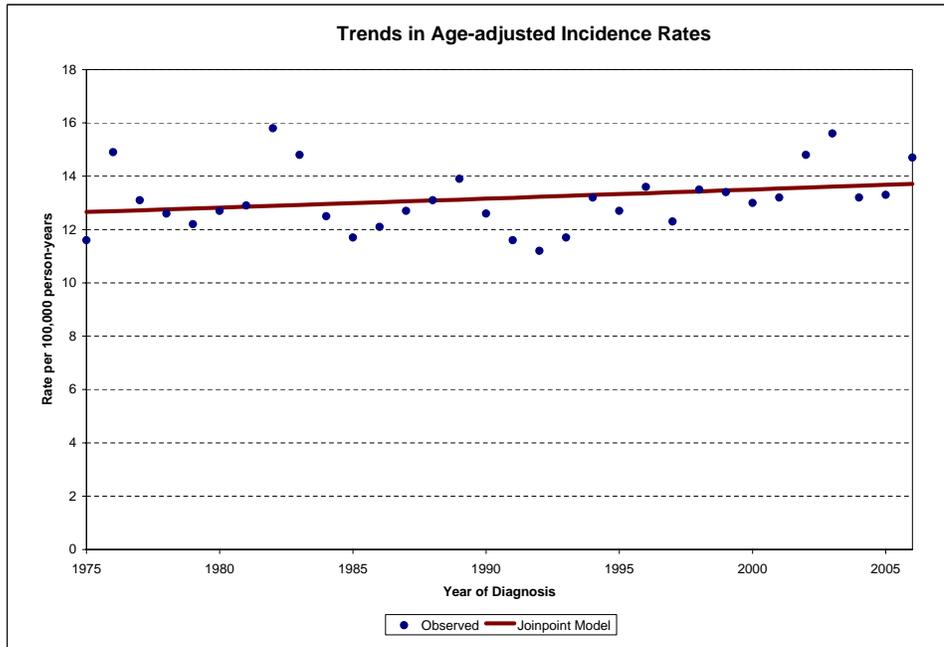
Kidney and renal pelvis cancer incidence increased at a rate of about 2.7% per year in Idaho from 1975 to 2006. The rate of increase was similar for males and females, although rates of kidney and renal pelvis cancers among males were about twice as high as among females.

Larynx



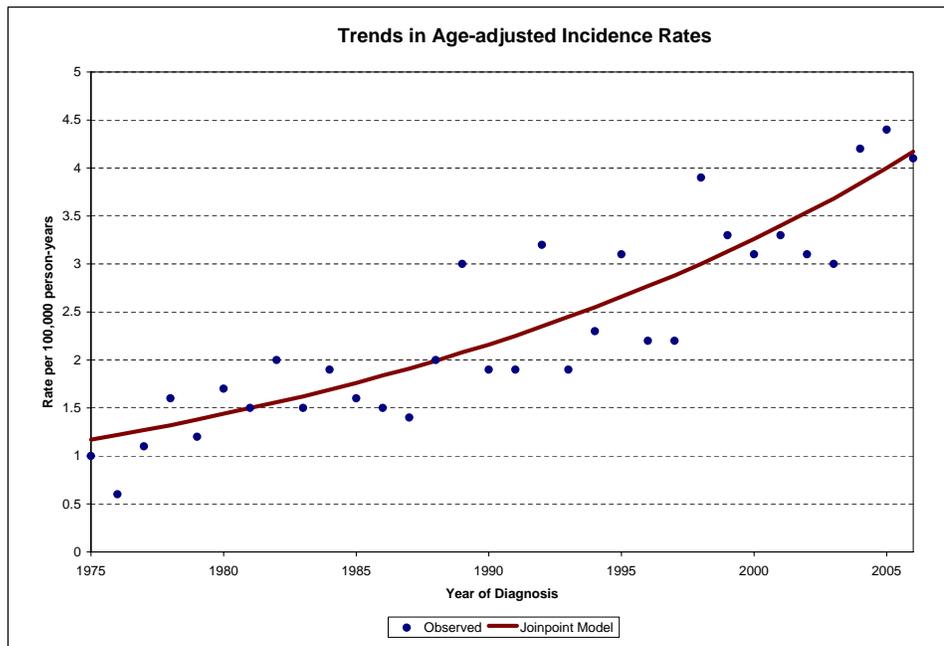
Laryngeal cancer incidence decreased about 0.6% per year in Idaho from 1975 to 2006; rates showed year-to-year variability due to the relatively small numbers of cases diagnosed annually. The rate of decrease was similar for males and females, although rates of laryngeal cancers among males were about 4 times as high as among females.

Leukemia



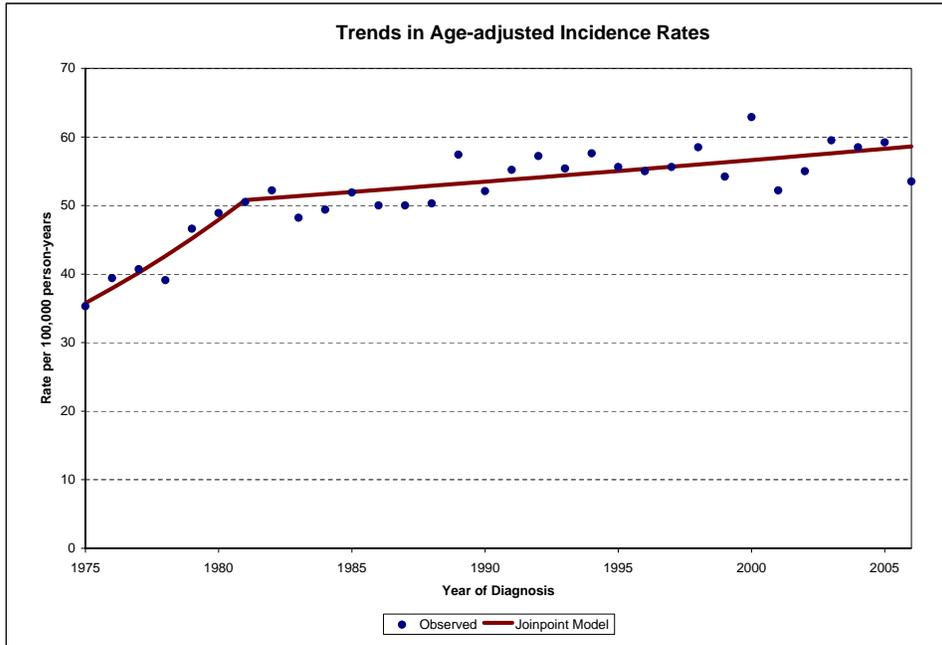
There was no statistically significant trend in leukemia incidence in Idaho from 1975 to 2006; rates were stable but showed year-to-year variability due to the relatively small numbers of cases diagnosed annually.

Liver and Bile Duct



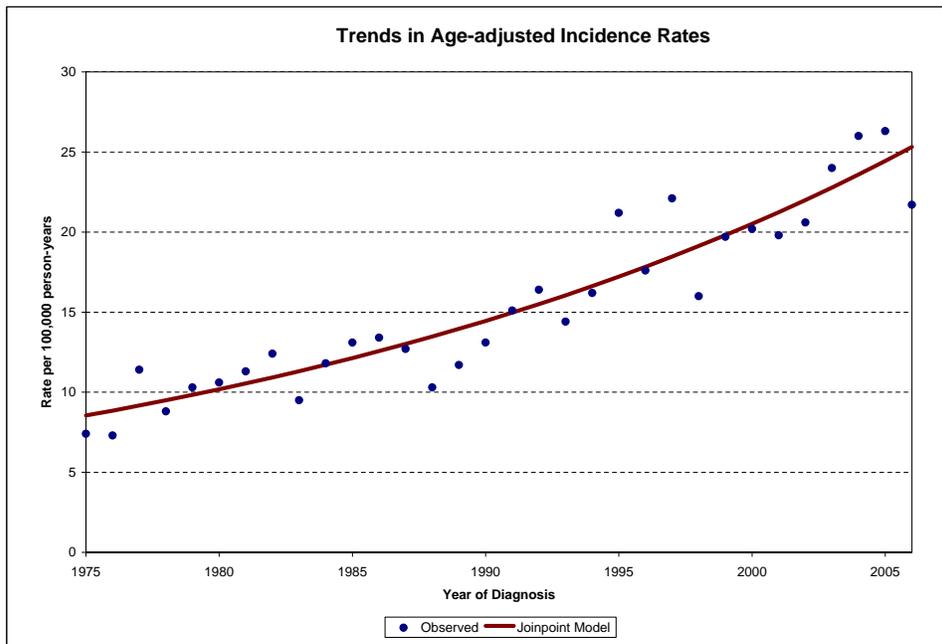
Liver cancer incidence increased at a rate of about 4.2% per year in Idaho from 1975 to 2006. The rate of increase was higher for males (5.0% per year) than for females (2.6% per year), and rates of liver cancers among males were about twice as high as among females.

Lung and Bronchus



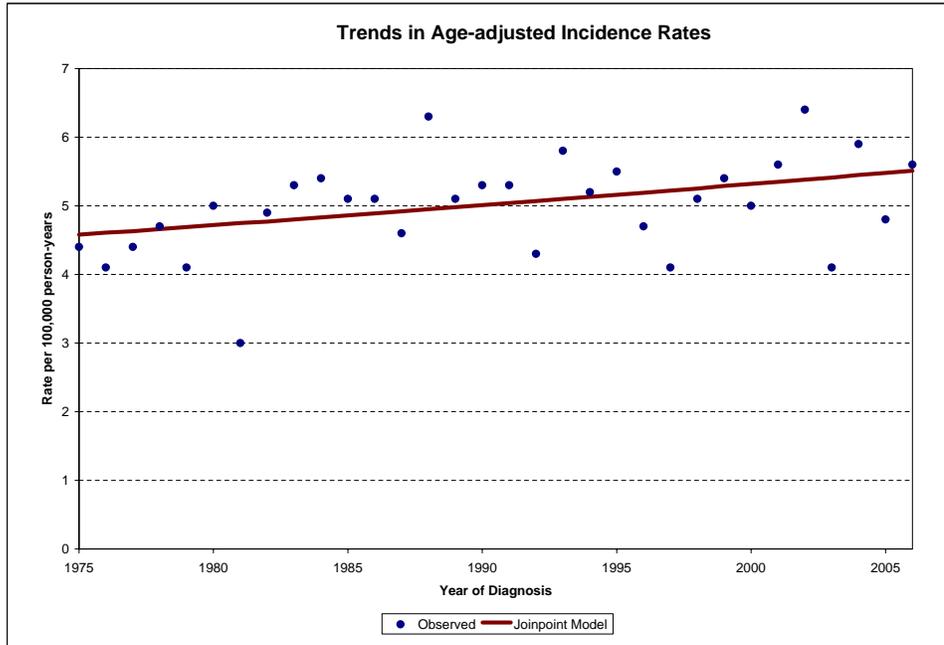
Lung cancer incidence increased at a rate of about 6.0% per year in Idaho from 1975 to 1981, after which the rate of increase lessened to about 0.6% per year. Lung cancer incidence trends over time were different for males and females. For males, lung cancer incidence increased at a rate of about 4.9% per year from 1975 to 1981, and then decreased by about 0.6% per year. For females, lung cancer incidence increased at a rate of about 5.8% per year from 1975 to 1989, after which the rate of increase lessened to about 1.6% per year. Historically, lung cancer incidence rates have been two or more times higher among males as among females, but the gap is continuing to narrow, reflecting long-term trends in smoking prevalence.

Melanoma



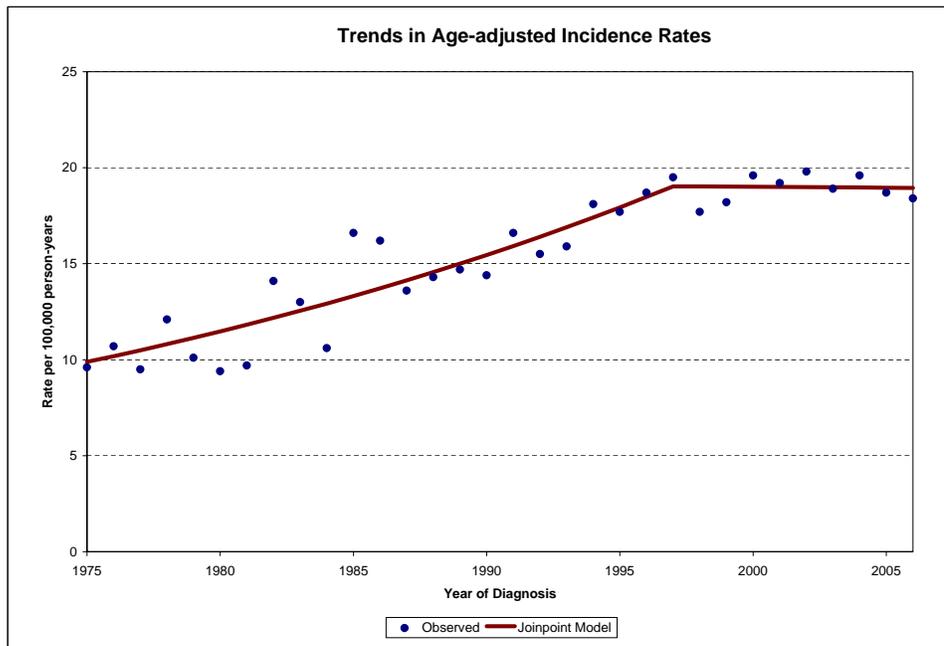
The incidence of melanoma of the skin increased at a rate of about 3.6% per year in Idaho from 1975 to 2006. The rate of increase was higher for males (4.2% per year) than for females (2.8% per year), and rates of melanoma incidence among males were higher than among females. The incidence of in-situ melanoma of the skin increased at a higher rate (10.2% per year from 1980 to 2006) than for the invasive cases depicted in the graph.

Myeloma



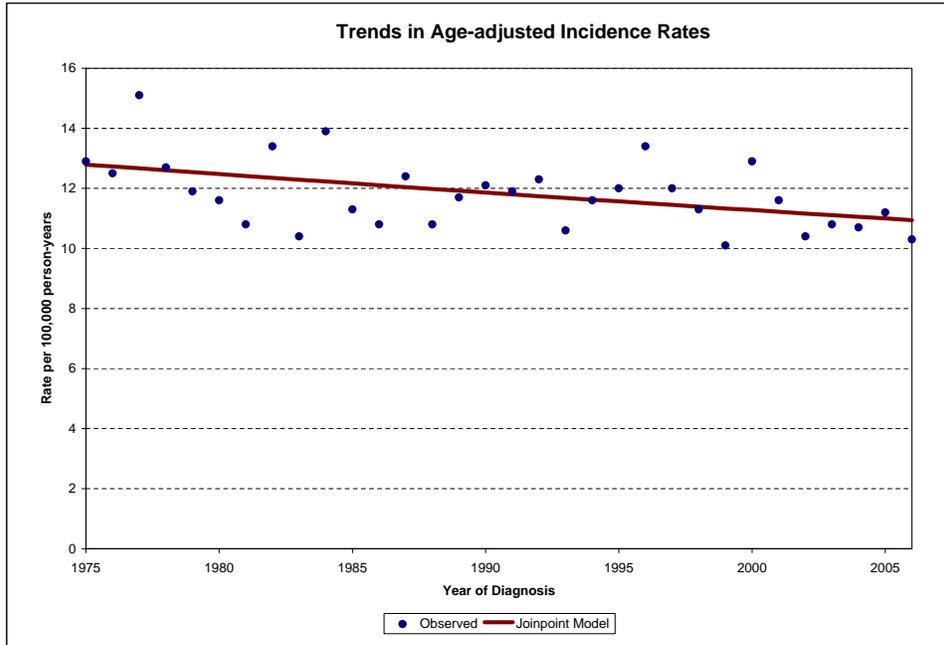
The incidence of myeloma increased at a rate of about 0.6% per year in Idaho from 1975 to 2006. The rate of increase was higher for males (1.1% per year) than for females (no significant trend), and rates of myeloma incidence among males were higher than among females.

Non-Hodgkin Lymphoma



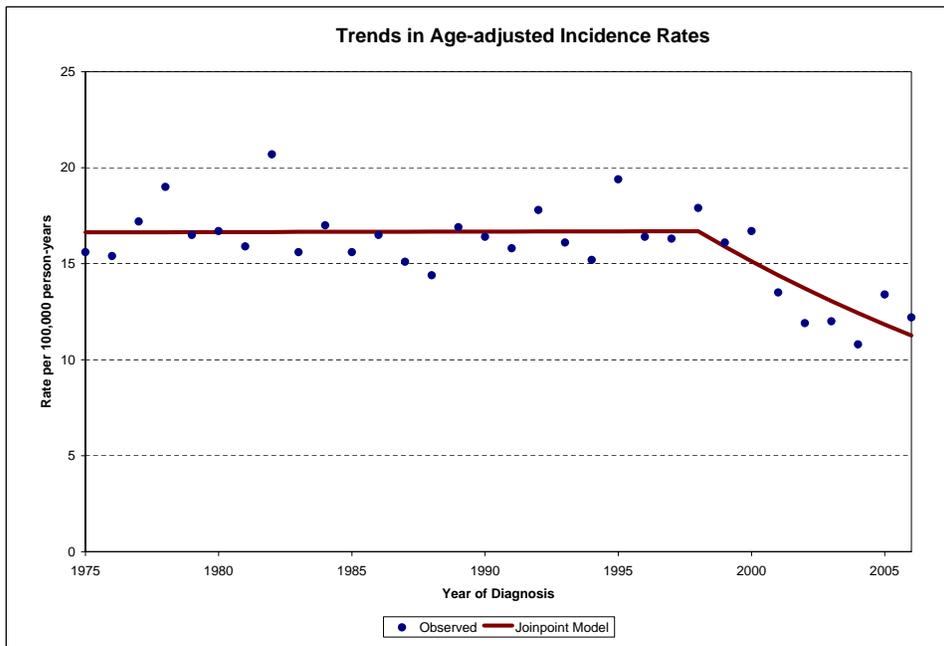
The incidence of non-Hodgkin lymphoma increased at a rate of about 3.0% per year in Idaho from 1975 to 1997, after which there has been no significant trend. Non-Hodgkin lymphoma incidence trends over time were different for males and females, and rates of non-Hodgkin lymphoma incidence among males were higher than among females. For males, non-Hodgkin lymphoma increased at a rate of about 2.8% per year from 1975 to 1996, after which there has been no significant trend. For females, non-Hodgkin lymphoma increased at a rate of about 2.5% per year across the entire time series.

Oral Cavity and Pharynx



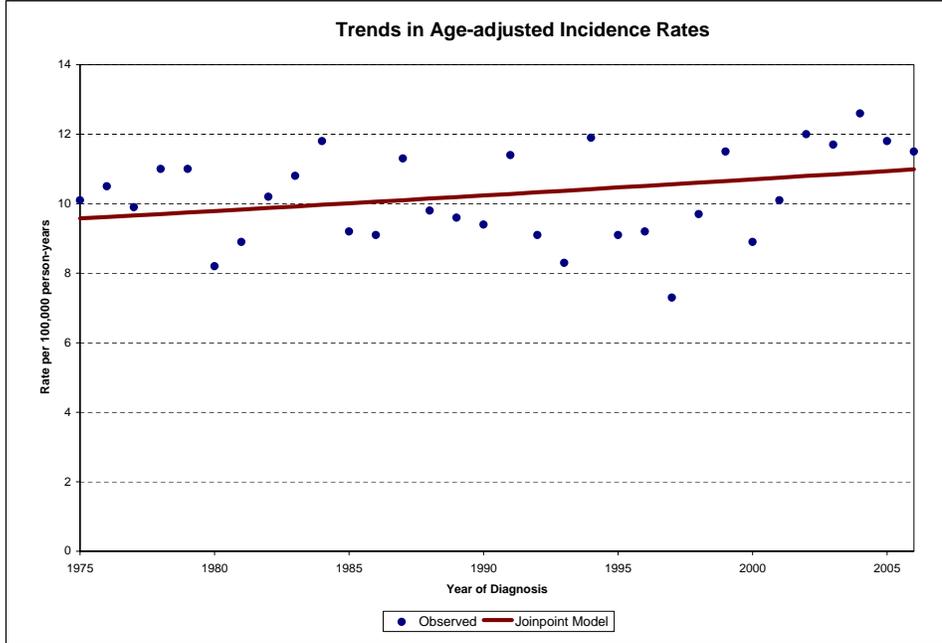
The incidence of cancers of the oral cavity and pharynx decreased at a rate of about 0.5% per year in Idaho from 1975 to 2006. The rate of decrease was higher for males (0.8% per year) than for females (no significant trend), and rates of cancers of the oral cavity and pharynx were about 3 times higher among males than among females. This latter result likely reflects differences in long-term prevalence trends for tobacco use and alcohol consumption between males and females.

Ovary



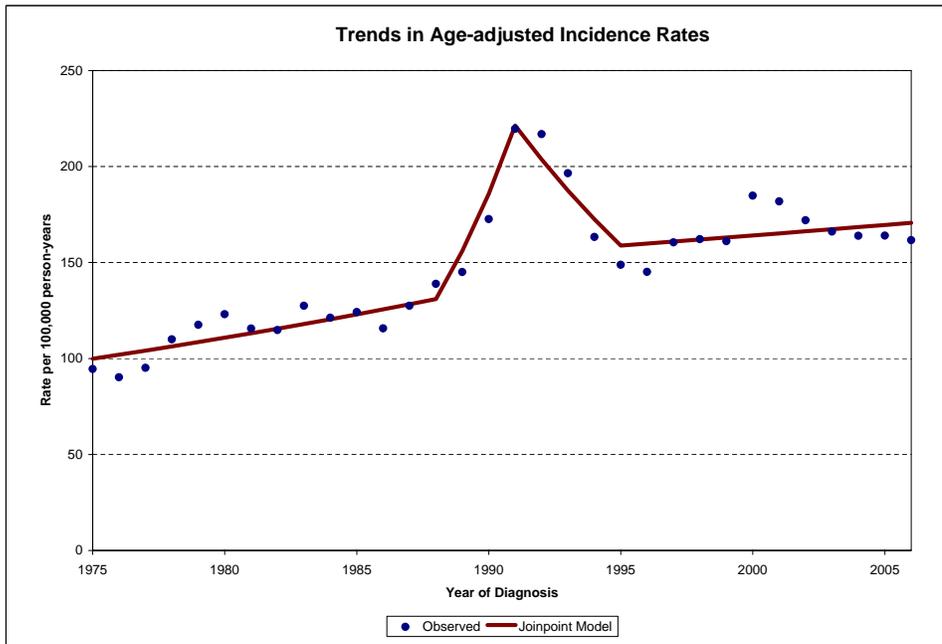
The incidence of ovarian cancer among females in Idaho was essentially stable from 1975 to 1998. From 1998 to 2006, ovarian cancer incidence decreased by about 4.8% per year.

Pancreas



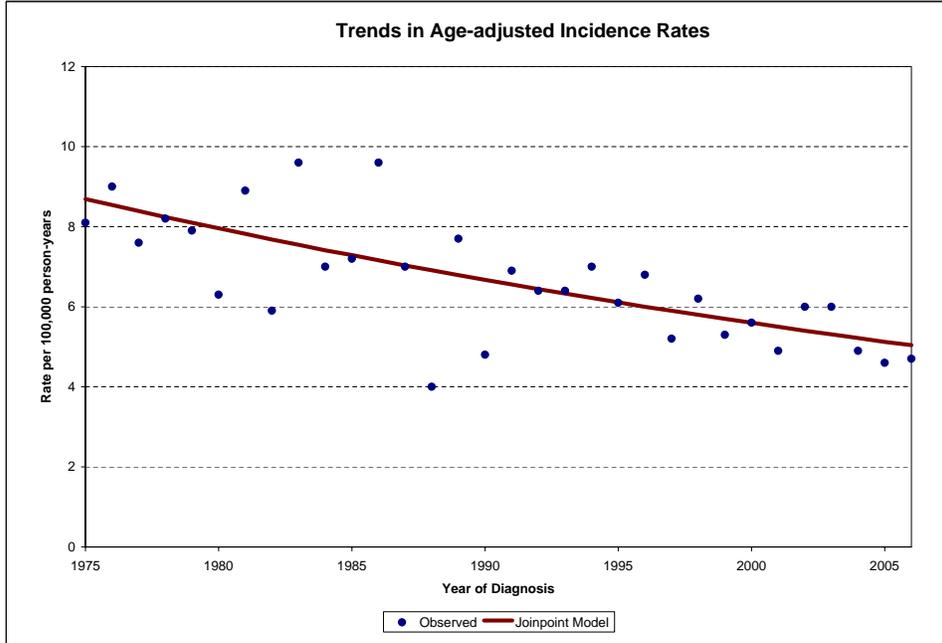
There was no statistically significant trend in pancreas cancer incidence in Idaho from 1975 to 2006; rates were stable but showed year-to-year variability due to the relatively small numbers of cases diagnosed annually. The rate of increase was higher for females (1.2% per year) than for males (no significant trend), and rates of pancreas cancer incidence among males were higher than among females.

Prostate



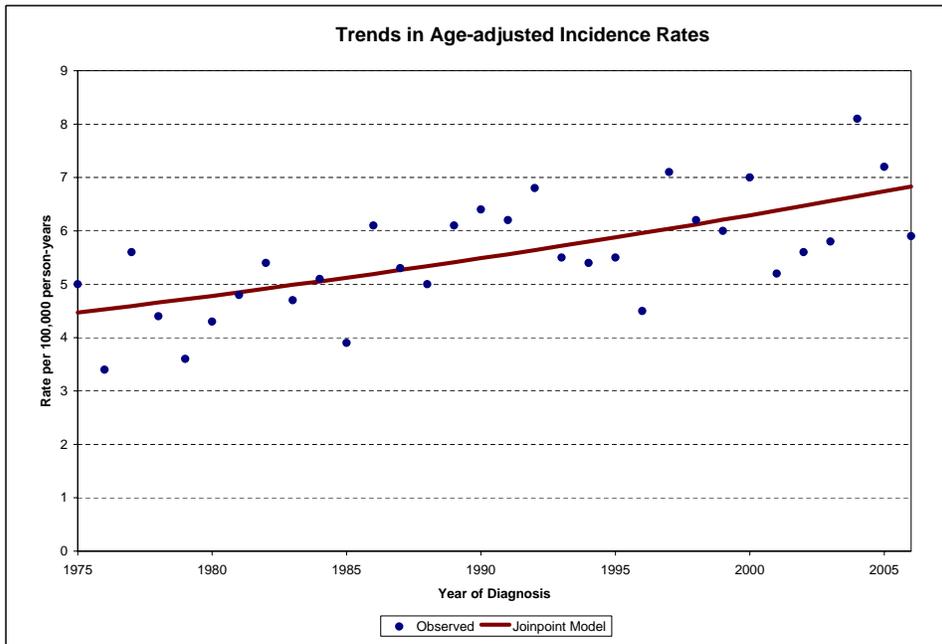
Trends in prostate cancer incidence are complicated, owing to the adoption of the Prostate-Specific Antigen (PSA) screening test in the late 1980s and early 1990s. From 1975 to 1988, prostate cancer incidence increased in Idaho at a rate of about 2.1% per year. From 1988 to 1991, prostate cancer incidence increased at a rate of about 19.1% per year. For the period 1995 to 2006, prostate cancer incidence rates had dropped to near the trend predicted from the 1975-1988 time series. Overall, there is an increasing trend in prostate cancer incidence punctuated by a large increase and concomitant decrease associated with widespread adoption of the PSA test, which likely detected many indolent cases.

Stomach



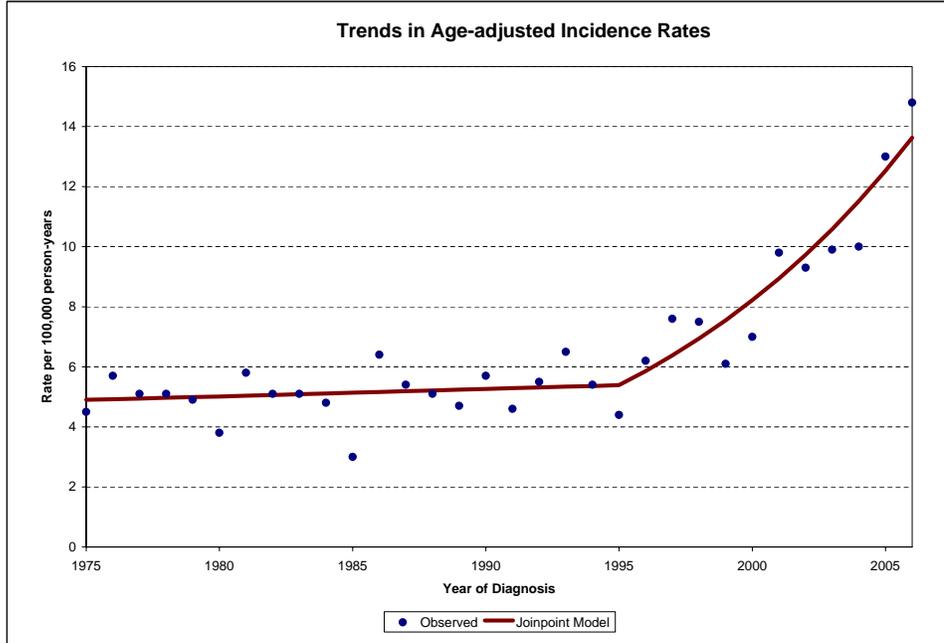
Stomach cancer incidence decreased at a rate of about 1.7% per year in Idaho from 1975 to 2006. Stomach cancer incidence trends over time were similar for males and females although stomach cancer incidence rates among males were about twice as high as among females.

Testis



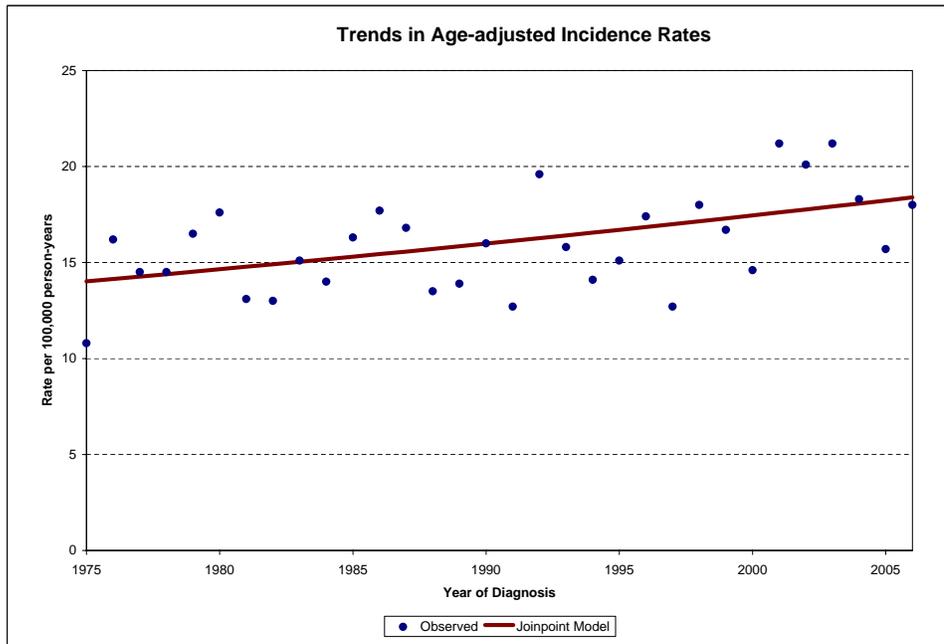
Testis cancer incidence increased at a rate of about 1.4% per year in Idaho from 1975 to 2006.

Thyroid



Thyroid cancer incidence was essentially stable in Idaho from 1975 to 1995, after which rates increased by about 8.8% per year. Thyroid cancer incidence trends over time were different for males and females. For males, thyroid cancer incidence increased at a rate of about 3.2% per year from 1975 to 2006. For females, thyroid cancer incidence was stable from 1975 to 1995, after which rates increased by about 9.7% per year. Historically, thyroid cancer incidence rates have been about 3 times higher among females as among males.

Pediatric (age 0 to 19) Cancer



Pediatric cancer incidence increased at a rate of about 0.9% per year in Idaho from 1975 to 2006. Pediatric cancer incidence trends over time were similar for males and females although pediatric cancer incidence rates among males were slightly higher than among females. For more detailed information on pediatric cancer in Idaho, see: <http://www.idcancer.org/specialreports.html>.

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APPENDICES

APPENDIX A

STANDARD SITE ANALYSIS CATEGORIES

SITE CATEGORY <small>Categories in SMALL CAPITALS are aggregated from the groups indented under them</small>	PRIMARY SITE CODE <small>EXCLUDES histologic types 9590-9989</small>
BUCCAL CAVITY & PHARYNX	
Lip	C00.0 - C00.9
Tongue	C01.9 - C02.9
Salivary Glands	C07.9 - C08.9
Floor of Mouth	C04.0 - C04.9
Gum and Other Mouth	C03.0 - C03.9 C05.0 - C05.9 C06.0 - C06.9
Nasopharynx	C11.0 - C11.9
Tonsil	C09.0 - C09.9
Oropharynx	C10.0 - C10.9
Hypopharynx	C12.9 C13.0 - C13.9
Other Oral Cavity and Pharynx	C14.0 C14.2 - C14.8
DIGESTIVE SYSTEM	
Esophagus	C15.0 - C15.9
Stomach	C16.0 - C16.9
Small Intestine	C17.0 - C17.9
COLON (Excluding Rectum)	
Cecum	C18.0
Appendix	C18.1
Ascending Colon	C18.2
Hepatic Flexure	C18.3
Transverse Colon	C18.4
Splenic Flexure	C18.5
Descending Colon	C18.6
Sigmoid Colon	C18.7
Large Intestine, NOS	C18.8 - C18.9, C26.0

SITE CATEGORY Categories in SMALL CAPITALS are aggregated from the groups indented under them	PRIMARY SITE CODE EXCLUDES histologic types 9590-9989
RECTUM AND RECTOSIGMOID	
Rectosigmoid Junction	C19.9
Rectum	C20.9
Anus, Anal Canal, & Anorectum	C21.0 - C21.2 C21.8
Liver	C22.0
Intrahepatic Bile Duct	C22.1
Gallbladder	C23.9
Other Biliary	C24.0 - C24.9
Pancreas	C25.0 - C25.9
Retroperitoneum	C48.0
Peritoneum, Omentum, & Mesentery	C48.1 - C48.2
Other Digestive Organs	C26.8 - C26.9 C48.8
RESPIRATORY SYSTEM	
Nasal Cavity, Middle Ear, & Accessory Sinuses	C30.0 - C30.1 C31.0 - C31.9
Larynx	C32.0 - C32.9
Lung and Bronchus	C34.0 - C34.9
Pleura	C38.4
Trachea, Mediastinum, & Other Respiratory Organs	C33.9 C38.1 - C38.3 C38.8 C39.0 C39.8 C39.9
BONES AND JOINTS	C40.0 - C41.9
SOFT TISSUE (Including Heart)	C38.0 C47.0 - C47.9 C49.0 - 49.9

SITE CATEGORY Categories in SMALL CAPITALS are aggregated from the groups indented under them	PRIMARY SITE CODE EXCLUDES histologic types 9590-9989
SKIN (Excluding Basal and Squamous)	
Melanomas - Skin	C44.0 - C44.9 Histology Types 8720 - 8790 ONLY
Other Non - Epithelial	C44.0 - C44.9 Also Excluding Histology Types 8000 - 8004 8010 - 8045 8050 - 8082 8090 - 8110 8720 - 8790 9590 - 9989
BREAST	C50.0 - C50.9
FEMALE GENITAL SYSTEM	
Cervix Uteri	C53.0 - C53.9
Corpus Uteri	C54.0 - C54.9
Uterus, NOS	C55.9
Ovary	C56.9
Vagina	C52.9
Vulva	C51.0 - C51.9
Other Female Genital Organs	C57.0 - C58.9
MALE GENITAL SYSTEM	
Prostate	C61.9
Testis	C62.0 - C62.9
Penis	C60.0 - C60.9
Other Male Genital Organs	C63.0 - C63.9
URINARY SYSTEM	
Bladder	C67.0 - C67.9
Kidney and Renal Pelvis	C64.9 C65.9
Ureter	C66.9
Other Urinary Organs	C68.0 - C68.9
EYE AND ORBIT	C69.0 - C69.9

SITE CATEGORY Categories in SMALL CAPITALS are aggregated from the groups indented under them	PRIMARY SITE CODE EXCLUDES histologic types 9590-9989
BRAIN AND OTHER NERVOUS SYSTEM	
Brain	C71.0 - C71.9 Also excludes: 9530 - 9539 And 9590 - 9989
Other Nervous System	A) C71.0 - C71.9 (meningioma) Histologic Type: 9530 - 9539 ONLY B) C70.0 - C70.9 C) C72.0 - C72.9
ENDOCRINE SYSTEM	
Thyroid	C73.9
Other Endocrine (Including Thymus)	C37.9 C74.0 - C74.9 C75.0 - C75.9

SITE CATEGORY Categories in SMALL CAPITALS are aggregated from the groups indented under them	PRIMARY SITE CODE	HISTOLOGY
LYMPHOMAS		
Hodgkin Lymphoma		
Nodal	C02.4, C09.8, C09.9, C11.1, C14.2, C37.9 C42.2 C77.0 - C77.9	Types: 9650 - 9667 ONLY
Extranodal	For All Other Sites Exclude Sites: C02.4, C09.8, C09.9, C11.1, C14.2, C37.9, C42.2 C77.0 - C77.9	Types: 9650 - 9667 ONLY
Non - Hodgkin Lymphoma		
Nodal	C02.4, C09.8, C09.9, C11.1, C14.2, C37.9, C42.2 C77.0 - C77.9	Types: 9590 - 9596 9670 - 9729, 9823, 9827 ONLY
Extranodal	For All Other Sites Excluding Sites: C02.4, C09.8, C09.9, C11.1, C14.2, C37.9, C42.2 C77.0 - C77.9	Types: 9590 - 9595 9670 - 9729 ONLY Types: 9823, 9827 For All Other Sites Except C42.0, C42.1, C42.4
MULTIPLE MYELOMA	For All Sites	Types: 9731 - 9732 ONLY

SITE CATEGORY Categories in SMALL CAPITALS are aggregated from groups indented under them	HISTOLOGY
LEUKEMIAS	
Lymphocytic	
Acute Lymphocytic	Type: 9821, 9828 ONLY
Chronic Lymphocytic	Type: 9823 ONLY
Other Lymphocytic	Type: 9820, 9822, 9824, 9825, 9826 ONLY
Granulocytic (Myeloid)	
Acute Granulocytic	Type: 9840, 9861, 9866, 9867, 9871 - 9874 ONLY
Chronic Granulocytic	Type: 9863, 9868 ONLY
Other Granulocytic	Type: 9860, 9862, 9864 ONLY
Monocytic	
Acute Monocytic	Type: 9891 ONLY
Chronic Monocytic	Type: 9893 ONLY
Other Monocytic	Type: 9890, 9892, 9894 ONLY
Other	
Other Acute	Type: 9801, 9841, 9931, 9932 ONLY
Other Chronic	Type: 9803, 9842 ONLY
Aleukemic, Subleukemic, & NOS	Type: 9800, 9802, 9804, 9830, 9850, 9870, 9880, 9900, 9910, 9930, 9940, 9941 ONLY Type 9827 For Sites C42.0, C42.1, C42.4 ONLY

SITE CATEGORY Categories in SMALL CAPITALS are aggregated from groups indented under them	PRIMARY SITE CODE EXCLUDES histologic types 9590-9989
ILL- DEFINED AND UNSPECIFIED SITES	A) Type: 9720 - 9723 9740 9741 9760 - 9764 9950 - 9989 ONLY For All Sites B) C76.0 - C76.8 C80.9 Type 8000 - 9589 C) C42.0 - C42.4 Type 8000 - 9589 D) C77.0 - C77.9 Type 8000 - 9589
INVALID SITE	Site or histology code not within valid range or site code not found in this table.

Source: "Standards for Completeness, Quality, Analysis, and Management of Data, Vol III". North American Association of Central Cancer Registries, October 2004. ¹⁴

APPENDIX B

2000 U.S. STANDARD POPULATION

Age Group	2000 US Standard Population (Census P25-1130)
0	3,794,901
1-4	15,191,619
5-9	19,919,840
10-14	20,056,779
15-19	19,819,518
20-24	18,257,225
25-29	17,722,067
30-34	19,511,370
35-39	22,179,956
40-44	22,479,229
45-49	19,805,793
50-54	17,224,359
55-59	13,307,234
60-64	10,654,272
65-69	9,409,940
70-74	8,725,574
75-79	7,414,559
80-84	4,900,234
85+	4,259,173
Total	274,633,642

Source: SEER Program, National Cancer Institute, 2008.¹¹

APPENDIX C

2006 POPULATION BY HEALTH DISTRICT, GENDER, AND AGE GROUP

	HD 1	HD 2	HD 3	HD 4	HD 5	HD 6	HD 7	STATE
Males								
< 5	6,282	2,919	10,483	15,406	7,188	7,145	8,466	57,889
5 to 9	6,651	2,816	9,571	14,632	6,528	6,871	7,167	54,236
10 to 14	7,331	3,090	9,529	14,804	6,709	6,517	7,181	55,161
15 to 19	7,586	4,518	8,798	13,809	6,644	6,623	8,115	56,093
20 to 24	6,603	5,444	8,447	14,695	6,109	6,637	8,999	56,934
25 to 29	7,290	3,754	10,337	16,850	6,512	6,262	6,875	57,880
30 to 34	6,059	2,816	8,567	15,746	5,273	4,537	4,809	47,807
35 to 39	6,264	2,772	8,017	16,742	5,248	4,446	4,780	48,269
40 to 44	6,969	3,252	7,750	15,841	5,885	4,739	5,593	50,029
45 to 49	7,787	3,584	7,561	15,221	6,306	5,666	6,137	52,262
50 to 54	7,648	3,676	6,742	13,922	5,874	5,499	5,757	49,118
55 to 59	7,525	3,510	6,013	12,163	5,103	4,701	4,845	43,860
60 to 64	5,539	2,543	4,696	8,378	4,029	3,419	3,750	32,354
65 to 69	4,419	2,187	3,659	5,869	3,064	2,642	2,813	24,653
70 to 74	3,333	1,685	2,930	4,123	2,378	2,054	2,030	18,533
75 to 79	2,584	1,392	2,262	3,193	1,942	1,614	1,532	14,519
80 to 84	1,726	1,003	1,655	2,211	1,501	1,150	1,098	10,344
85+	1,304	887	1,536	1,736	1,369	798	795	8,425
Total	102,900	51,848	118,553	205,341	87,662	81,320	90,742	738,366
Females								
< 5	5,950	2,744	9,928	14,574	6,744	7,050	8,084	55,074
5 to 9	6,355	2,666	9,076	14,099	6,229	6,339	6,712	51,476
10 to 14	6,918	2,838	9,063	13,828	6,382	6,294	6,747	52,070
15 to 19	6,918	4,047	8,245	12,825	6,312	6,546	9,756	54,649
20 to 24	6,170	4,484	7,564	12,374	5,495	6,606	7,092	49,785
25 to 29	6,773	2,514	10,672	15,479	5,043	5,416	7,191	53,088
30 to 34	5,855	2,614	8,357	14,194	5,056	4,666	4,825	45,567
35 to 39	6,653	2,747	7,683	14,555	5,011	4,796	4,995	46,440
40 to 44	7,118	3,177	7,515	15,164	5,856	4,998	5,441	49,269
45 to 49	8,129	3,739	7,355	15,142	6,099	5,613	6,161	52,238
50 to 54	8,126	3,532	6,946	13,867	5,842	5,328	5,632	49,273
55 to 59	7,413	3,324	6,105	11,915	5,302	4,707	4,720	43,486
60 to 64	5,630	2,570	5,038	8,410	4,057	3,460	3,820	32,985
65 to 69	4,296	2,105	3,944	6,070	3,184	2,665	2,768	25,032
70 to 74	3,548	1,765	3,247	4,861	2,748	2,225	2,112	20,506
75 to 79	2,857	1,613	2,863	4,081	2,432	1,880	1,964	17,690
80 to 84	2,400	1,395	2,355	3,330	2,033	1,478	1,521	14,512
85+	2,131	1,473	2,737	3,517	2,139	1,635	1,327	14,959
Total	103,240	49,347	118,693	198,285	85,964	81,702	90,868	728,099
Total	206,140	101,195	237,246	403,626	173,626	163,022	181,610	1,466,465

Source: National Center for Health Statistics, 2007.