

Annual Report  
of the  
Cancer Data Registry of Idaho

**Cancer in Idaho – 2015**

**December 2017**



IDAHO DEPARTMENT OF  
HEALTH & WELFARE



# **CANCER IN IDAHO - 2015**

**December 2017**

**A Publication of the  
Cancer Data Registry of Idaho**



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IDAHO DEPARTMENT OF  
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## **PREFACE**

"Cancer in Idaho - 2015," the thirty-ninth annual report of the Cancer Data Registry of Idaho (CDRI), contains information on the cancer burden among Idaho residents, with a focus on cancer cases diagnosed during 2015. The 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 Public 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 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 Public 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.

We acknowledge the Centers for Disease Control and Prevention for its support of CDRI and the distribution of this annual report under cooperative agreement 1NU58DP006270-01 awarded to the Idaho Hospital Association. The contents of this report are solely the responsibility of the authors and do not necessarily represent the official views of the Centers for Disease Control and Prevention or the Department of Health and Human Services.

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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 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 for 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.

CDRI works closely with the Comprehensive Cancer Alliance for Idaho (CCAI), the Idaho Comprehensive Cancer Control Program, and other organizations to lessen the burden of cancer in Idaho.

## 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 or treatment in the above sources),
- ◆ death certificates, and
- ◆ other state cancer registries reporting an Idaho resident with cancer (as negotiated).

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*.<sup>1</sup> Stage of disease variables were coded using SEER's *Summary Staging Manual 2000*, the *AJCC Manual for Staging of Cancer, 7th edition*, and the *Collaborative Staging Manual, Version 2.05*.<sup>2,3,4</sup> SEER Summary Stage was 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.<sup>5-8</sup> Beginning with cases diagnosed in 2010, new rules for coding hematopoietic and lymphoid neoplasms were applied.<sup>9</sup>

### **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, spinal cord, any other part of the central nervous system, 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 GenEDITS Plus 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. 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 nine 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), which are combined from SEER and the Centers for Disease Control and Prevention's National Program of Cancer Registries (NPCR),<sup>10</sup> are provided. Only registries whose data meet specified data quality criteria are included in USCS statistics. For the latest USCS data (2014 incidence), all areas of the U.S. are included. Section II depicts incidence data by site, subsite, and gender for invasive and in situ cases. For completeness, site groups include categories for mesothelioma and Kaposi sarcoma histologies. In the remainder of the report, these cancers are grouped by anatomic site. 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 <https://www.idcancer.org/ContentFiles/special/CountyProfiles/CountyMap.htm>. Section VI contains tables of age-specific risks of being diagnosed with and dying from cancer for males and females. Section VII shows cancer incidence trends in Idaho for the period 1975-2015. Section VIII shows cancer incidence rates by race and ethnicity for the period 2011-2015. Section IX shows cancer survival statistics for Idahoans diagnosed during the period 2008-2014 with follow-up through 2015.

### Descriptive Summary by Gender and Race and Ethnicity

The data presented in this report cover cancer cases diagnosed among Idaho residents between January 1, 2015, and December 31, 2015. In this time frame, there were 8,820 cases of in situ and invasive cancer diagnosed among Idaho residents (4,436 among males and 4,384 among females). By race and ethnicity, there were 8,171 cases among non-Hispanic whites, 361 among Hispanic whites, 26 cases among blacks, 68 cases among Native Americans, and 71 cases among Asians/Pacific Islanders. One hundred and twenty-three cases were coded as other or unknown race. The number of cancer cases treated in outpatient settings and reported only by pathology laboratories has increased over the last several years. These cases are more likely to have missing race and ethnicity information. 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 Section VIII of this report and *Cancer in North America: 2010-2014, Volume Two*.<sup>11</sup>

### Trends

There was a 4.2% increase in the age-adjusted cancer incidence rates as published in the 2014 and 2015 annual reports. Changes in health policy and screening recommendations may have impacted cancer incidence since 2013. In May 2012, the United States Preventive Service

Task Force issued a recommendation against Prostate Specific Antigen (PSA)-based screening for prostate cancer in all age groups. From 2011 to 2014, prostate cancer incidence rates decreased about 13.3% per year in Idaho, similar to national trends, but rebounded in 2015. The drop in lung cancer cases in 2013 was followed by a rebound in 2014 and 2015. Low dose CT (LDCT) screening for lung cancer among persons at higher risk due to smoking history was recommended by the United States Preventive Services Task Force in December 2013. The incidence rates of cancers of the brain, esophagus, oral cavity and pharynx, ovary, pancreas, and leukemia, which fluctuate annually due to relatively small case counts, rebounded from 2014. See [Section VII](#) for more detailed long-term trends in cancer incidence.

## Population Description

The population of the state of Idaho on July 1, 2015, was estimated to be 1,652,828 (828,277 males and 824,551 females). Population estimates were obtained from the National Center for Health Statistics.<sup>12</sup> 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                         | 111,671     | 113,313       |
| District 2             | Clearwater, Latah, Lewis, Idaho, Nez Perce                            | 54,710      | 52,689        |
| District 3             | Adams, Canyon, Gem, Owyhee, Payette, Washington                       | 154,605     | 155,240       |
| District 4             | Ada, Boise, Elmore, Valley  | 239,620     | 236,732       |
| District 5             | Blaine, Camas, Cassia, Gooding, Jerome, Lincoln, Minidoka, Twin Falls | 96,312      | 95,510        |
| District 6             | Bannock, Bear Lake, Bingham, Butte, Caribou, Franklin, Oneida, Power  | 84,708      | 84,288        |
| District 7             | Bonneville, Clark, Custer, Fremont, Jefferson, Lemhi, Madison, Teton  | 106,193     | 105,141       |

# SUMMARY MEASURES OF CANCER BURDEN IN IDAHO - 2015

| Primary Site            | Incident Cases | Deaths | Median Age at Diagnosis | Median Age at Death | Total Number of YPLL Before Age 75 | Average Number of YPLL per Death, Persons Aged Less than 75 Years | % Change Incidence Rate 2014 to 2015 |
|-------------------------|----------------|--------|-------------------------|---------------------|------------------------------------|---|--------------------------------------|
| All Sites               | 8,132          | 2,843  | 67.0                    | 73.0                | 18,277                             | 11.1  | 4.2%                                 |
| Bladder                 | 379            | 71     | 72.0                    | 80.0                | 272                                | 9.7   | -0.9%                                |
| Brain                   | 148            | 98     | 60.0                    | 64.0                | 1,252                              | 16.1  | 31.3%                                |
| Breast                  | 1,175          | 210    | 64.0                    | 72.0                | 1,640                              | 12.5  | 0.7%                                 |
| Cervix                  | 47             | 17     | 51.0                    | 56.0                | 288                                | 18.0  | -6.5%                                |
| Colorectal              | 645            | 221    | 67.0                    | 73.0                | 1,606                              | 13.4  | 2.3%                                 |
| Corpus Uteri            | 239            | 28     | 62.0                    | 69.5                | 209                                | 11.0  | 3.5%                                 |
| Esophagus               | 81             | 89     | 68.0                    | 73.0                | 625                                | 11.8  | -17.4%                               |
| Hodgkin Lymphoma        | 39             | 4      | 31.0                    | -                   | -                                  | -   | 8.5%                                 |
| Kidney                  | 297            | 76     | 68.0                    | 73.0                | 450                                | 10.0  | 7.6%                                 |
| Larynx                  | 41             | 13     | 67.0                    | 76.0                | 80                                 | 13.3  | 2.1%                                 |
| Leukemia                | 301            | 118    | 69.0                    | 75.5                | 823                                | 13.9  | 17.2%                                |
| Liver and Bile Duct     | 156            | 117    | 64.5                    | 68.0                | 923                                | 10.6  | 0.8%                                 |
| Lung and Bronchus       | 939            | 648    | 72.0                    | 72.0                | 3,522                              | 8.9   | 2.1%                                 |
| Melanoma of Skin        | 500            | 69     | 64.0                    | 68.0                | 601                                | 13.3  | 5.4%                                 |
| Myeloma                 | 124            | 58     | 71.5                    | 79.0                | 220                                | 10.5  | 9.2%                                 |
| Non-Hodgkin Lymphoma    | 364            | 100    | 69.0                    | 76.0                | 409                                | 8.5   | 0.5%                                 |
| Oral Cavity and Pharynx | 234            | 49     | 64.0                    | 70.0                | 337                                | 11.2  | 29.8%                                |
| Ovary                   | 96             | 77     | 64.5                    | 71.0                | 503                                | 10.1  | -11.6%                               |
| Pancreas                | 267            | 213    | 71.0                    | 72.0                | 1,305                              | 9.7   | 17.9%                                |
| Prostate                | 949            | 194    | 68.0                    | 80.0                | 416                                | 6.1   | 8.6%                                 |
| Stomach                 | 114            | 45     | 68.5                    | 73.0                | 333                                | 12.3  | -1.3%                                |
| Testis                  | 58             | -      | 34.0                    | -                   | -                                  | -   | 6.2%                                 |
| Thyroid                 | 260            | 10     | 50.0                    | 71.0                | 88                                 | 12.5  | -1.1%                                |

Notes:

Incident cases include all invasive and bladder in situ cases newly diagnosed among Idaho residents in 2015.

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).

Mortality-related statistics are suppressed for Hodgkin lymphoma and testis primary sites due to small number of deaths.

## 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 A). 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 B).<sup>12</sup>

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 2015 (8,820), a total of 8,132 cases (7,936 invasive and 196 bladder in situ) were

used for calculating age-adjusted incidence rates. Of the 8,132 cases, 4,153 occurred among males and 3,979 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.

### 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.

### 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.<sup>5,6</sup> 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 <http://seer.cancer.gov/siterecode/> for groupings of codes.

### 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  $p < 0.05$  and (\*) for  $p < 0.01$ . Statistical significance does not necessarily imply that concern is warranted, since differences can occur as a result of multiple factors.

### Confidence Intervals

A confidence interval gives an estimated range of values which is likely to include the true population value, and is used to indicate the reliability of an estimate.

### Mean/Median

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.

### 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*.<sup>13-15</sup>

Socioeconomic status is abbreviated as SES in Section I text.

### 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 detailed statistics by race and ethnicity, see Section VIII and *Cancer in North America: 2010-2014, Volume Two*.<sup>11</sup>

### NPCR

The Centers for Disease Control and Prevention’s National Program of Cancer Registries (NPCR) supports central cancer registries in 46 states (including Idaho), the District of Columbia, Puerto Rico, the U.S. Pacific Island Jurisdictions, and the U.S. Virgin Islands. These data represent 97% of the U.S. population.



## 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, combined with NPCR data, in Section I of this report. SEER rates included data from 18 registries and were calculated using SEER\*Stat.<sup>16</sup>

### 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, tissues, or lymph nodes),
- ◆ distant (metastasis to tissues or lymph nodes remote from the primary site), or
- ◆ unstaged.

### Risks of Developing and Dying from Cancer

Cancer incidence and mortality risks were estimated using DEVCAN Version 6.7.3 software.<sup>17</sup> DEVCAN was used to calculate the probability of developing or dying of cancer using Idaho-specific cancer incidence and mortality data for the years 2011-2015. 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.

### Trend Analyses

Joinpoint Version 4.2.0.2 software was used to model trends in age-adjusted cancer incidence rates.<sup>18</sup> 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. The software used a grid search to find the maximum likelihood estimates of the joinpoints for multiple models (0 to 5 joinpoints) per primary site category and sex. Trend analyses are limited to cases considered to be malignant in both ICD-O-2 and ICD-O-3, and exclude cases only defined as malignant in 2010 or later.

### Survival

Two tables of survival estimates are included in this annual report: one table for actual prognosis, referred to as “crude” survival in the statistical literature; and one table for cancer survival, referred to as “net” survival in the statistical literature. Actual (crude) measures of survival include cancer and other competing causes of death, while net measures of cancer survival exclude competing causes of death. Both types of survival estimates, crude and net, may be calculated using either information on cause of death or on expected survival. Policy makers, cancer control planners, and others may be interested in net deaths from cancer where the confounding effects of death from other causes are removed, such as when comparing geographic areas or population subgroups that have different background or other-cause mortality rates. Crude estimates of actual patient survival are useful for cancer patients and health care providers who are interested in estimating the patients’ chances of dying from cancer, from other

competing causes of death, or surviving.<sup>20</sup> For younger and healthier patients, crude and net estimates of survival are similar because competing causes of death are rare. Crude and net estimates of survival may differ substantially for older and sicker patients.

Relative survival is a net measure of excess mortality experienced by cancer patients. It is calculated by dividing the observed survival from all causes of death for the patient cohort by the expected survival in a comparable group not diagnosed with cancer. Because information on cancer-free cohorts is not readily available, general population life tables are used to estimate expected survival. Relative survival based on general life tables, which include people previously diagnosed with cancer, may be overestimated for common cancers, in particular for all sites combined, breast, colorectal, and prostate cancers.<sup>21</sup>

The SEER cause-specific death classification variable, which provides guidance for which deaths should be attributable to a specific cancer diagnosis, was used to estimate the probabilities of dying of cancer, dying of other competing causes, and survival.<sup>22</sup> For patients diagnosed with more than one primary cancer, this variable is not defined for the second or subsequent cancers. Thus, the cancer survival tables are split into columns for “single or first primary cancers only,” and “all primaries,” for which relative survival can be calculated.

Survival statistics published in this annual report include all invasive and bladder in situ cases aged 15-99 at diagnosis during 2008-2014 with follow-up/death ascertainment through December 31, 2015. Cases reported solely via death certificates or autopsy were excluded. Using SEER 2007 Multiple Primary and Histology Coding Rules,<sup>8</sup> multiple primary cancers could be included for each patient, but only one record per patient was included in each survival estimate.

SEER\*Stat (version 8.3.4) was used to perform the survival calculations. The survival duration in months was calculated based on complete dates, with all patients not known to be deceased as of December 31, 2015 presumed to be alive on this date. Survival calculations were performed using the actuarial method on monthly intervals. Expected survival was estimated using the Ederer II method from life tables matched to the cancer patients by age, sex, year, race/ethnicity, and county-level socioeconomic status.<sup>23, 24</sup> Cases were censored at an achieved age of 100 years.

Because the excess mortality due to cancer is often age dependent, and the age distributions of cancer patients may differ among comparison groups, net survival estimates were age standardized using the International Cancer Survival Standards (ICSS).<sup>25</sup> Crude survival estimates were not age-standardized and reflect the actual prognosis of the cohort of Idaho cancer cases.



# **SECTION I**

## **2015 SUMMARY ON ALL SITES COMBINED AND 23 MOST COMMON SITES**

# ALL SITES

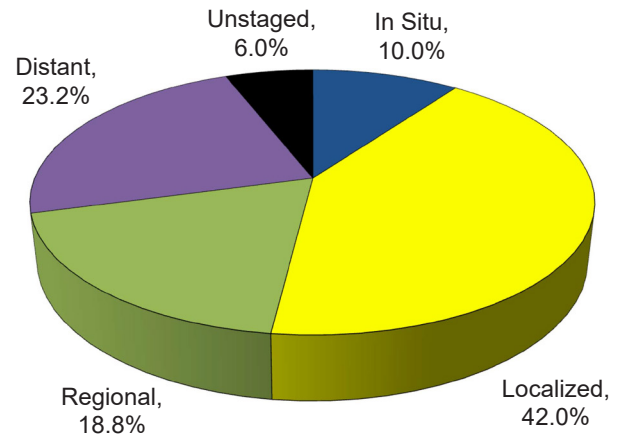
## Incidence and Mortality Summary

|   | Total | Male  | Female |
|---|-------|-------|--------|
| Age-adjusted incidence rate per 100,000 | 437.9 | 463.0 | 421.1  |
| # of new invasive cases                 | 7,936 | 4,008 | 3,928  |
| # of new in situ cases                  | 884   | 428   | 456    |
| # of deaths                             | 2,843 | 1,577 | 1,266  |

## Total Cases by County

|            |       |            |     |            |     |
|------------|-------|------------|-----|------------|-----|
| Ada        | 2,259 | Cassia     | 109 | Lewis      | 34  |
| Adams      | 20    | Clark      | 4   | Lincoln    | 23  |
| Bannock    | 334   | Clearwater | 72  | Madison    | 96  |
| Bear Lake  | 21    | Custer     | 31  | Minidoka   | 93  |
| Benewah    | 67    | Elmore     | 116 | Nez Perce  | 267 |
| Bingham    | 224   | Franklin   | 47  | Oneida     | 27  |
| Blaine     | 122   | Fremont    | 59  | Owyhee     | 47  |
| Boise      | 50    | Gem        | 127 | Payette    | 162 |
| Bonner     | 329   | Gooding    | 81  | Power      | 39  |
| Bonneville | 516   | Idaho      | 125 | Shoshone   | 84  |
| Boundary   | 71    | Jefferson  | 124 | Teton      | 43  |
| Butte      | 16    | Jerome     | 103 | Twin Falls | 401 |
| Camas      | 5     | Kootenai   | 993 | Valley     | 75  |
| Canyon     | 1,023 | Latah      | 177 | Washington | 86  |
| Caribou    | 31    | Lemhi      | 87  |            |     |

## Stage at Diagnosis - All Sites



## Risk and Associated Factors

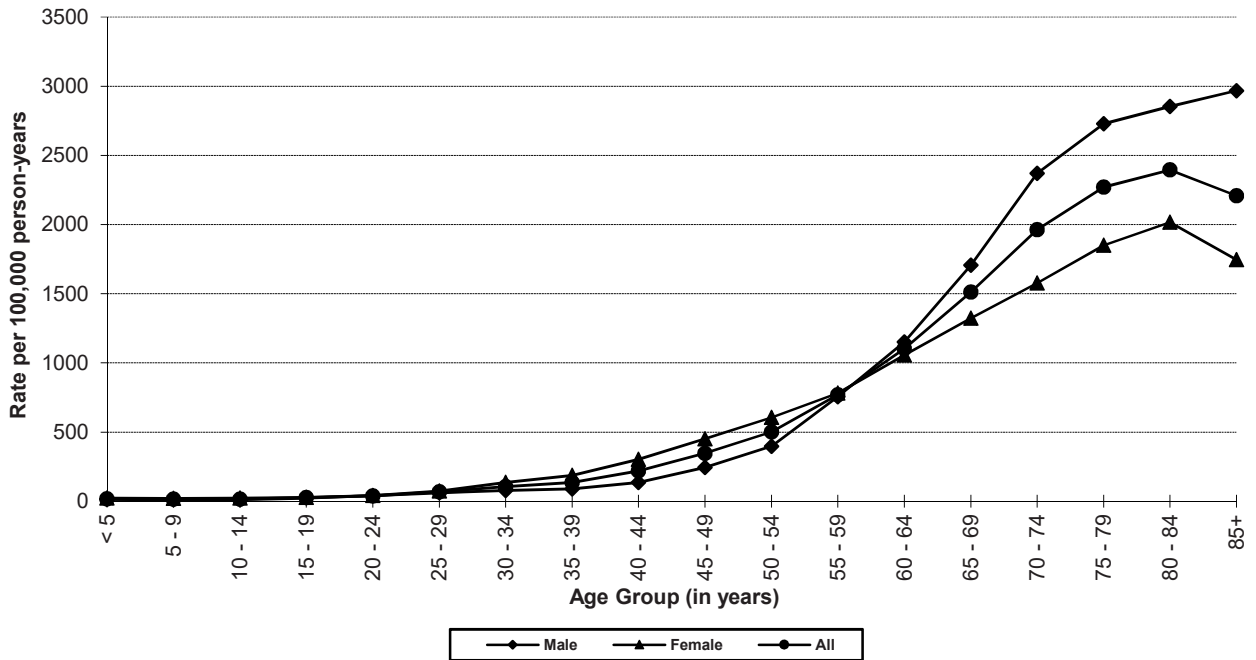
|                       |   |
|-----------------------|---|
| <b>Age</b>            | Rates usually increase steadily with age. Most cases occur among adults in mid-life or older.   |
| <b>Gender</b>         | Males have higher incidence rates than females for most cancer types.   |
| <b>Race &amp; SES</b> | Rates are higher for blacks than for whites and other races. Rates are generally higher among lower income groups.  |
| <b>Occupation</b>     | Risk for cancer is greater with some kinds of workplace exposures, such as some chemicals, asbestos, and radiation.   |
| <b>Diet</b>           | Diets that are low in fresh fruits and vegetables have been associated with increased incidence of several cancers.   |
| <b>Other</b>          | 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

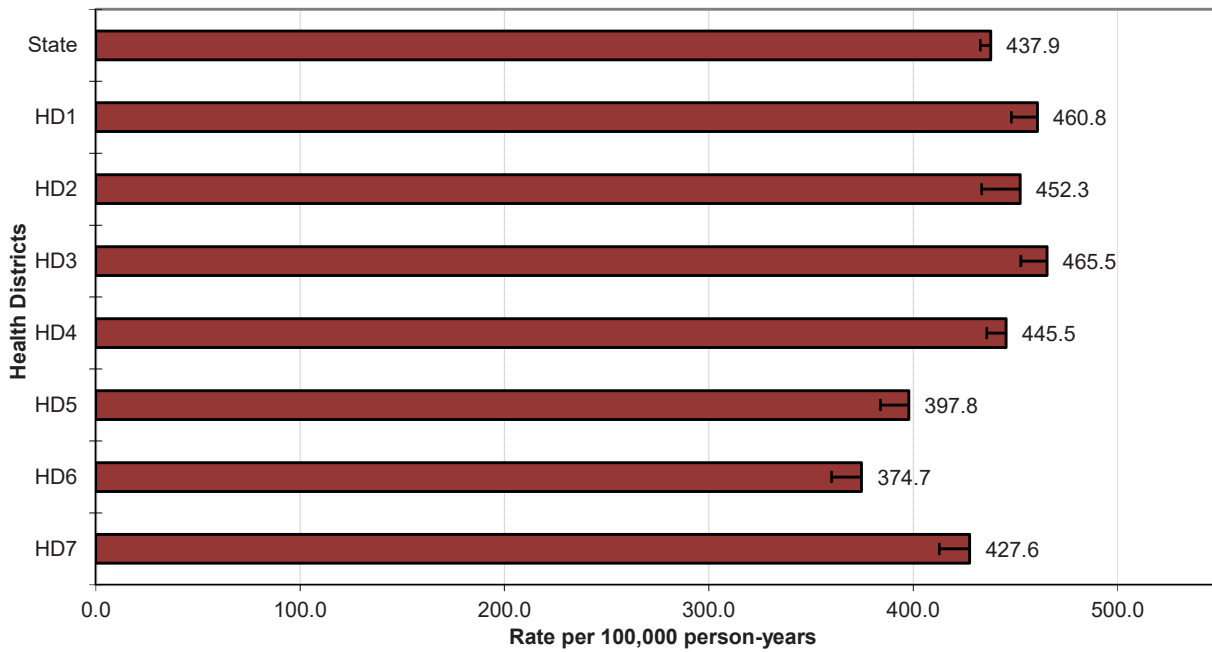
|  |              |
|--|--------------|
| Mean age-adjusted incidence rate across health districts:        | 432.0        |
| 95% confidence interval on the mean age-adjusted incidence rate: | 406.7- 457.4 |
| Median age-adjusted incidence rate of health districts:          | 445.5        |
| Range of age-adjusted incidence rate for health districts:       | 374.7- 465.5 |
| USCS rate (2014, all races):                                     | 428.0        |

The incidence rates for all cancers combined were similar for males and females in Idaho until approximately age 60-64, 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 85+ for males and 80-84 for females. Health Districts 1 and 3 had statistically significantly more cases of cancer than expected based upon rates for the remainder of Idaho, and Health Districts 5 and 6 had statistically significantly fewer cases than expected.

**State All Cancer Sites Combined  
Age-specific Rates**



**All Sites Combined Cancer Incidence  
Age-adjusted Rates by Health District**



# BLADDER

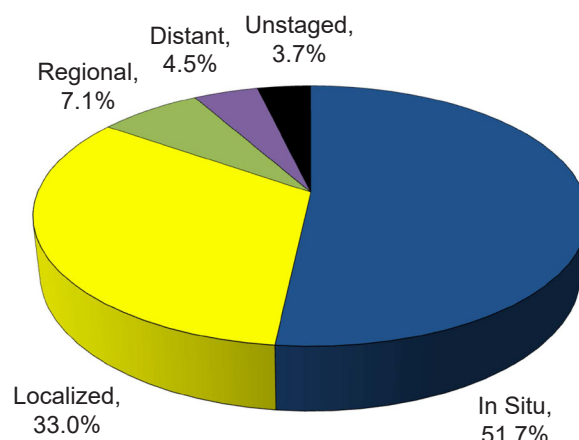
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 20.0  | 32.0 | 9.8    |
| # of new invasive cases                 | 183   | 135  | 48     |
| # of new in situ cases                  | 196   | 145  | 51     |
| # of deaths                             | 71    | 50   | 21     |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 91 | Cassia     | 3  | Lewis      | 1  |
| Adams      | 1  | Clark      | -  | Lincoln    | -  |
| Bannock    | 10 | Clearwater | 2  | Madison    | 3  |
| Bear Lake  | -  | Custer     | 1  | Minidoka   | 3  |
| Benewah    | 2  | Elmore     | 4  | Nez Perce  | 7  |
| Bingham    | 14 | Franklin   | 3  | Oneida     | 1  |
| Blaine     | 7  | Fremont    | 3  | Owyhee     | -  |
| Boise      | 3  | Gem        | 5  | Payette    | 10 |
| Bonner     | 18 | Gooding    | 5  | Power      | 2  |
| Bonneville | 15 | Idaho      | 6  | Shoshone   | 1  |
| Boundary   | 3  | Jefferson  | 4  | Teton      | -  |
| Butte      | -  | Jerome     | 3  | Twin Falls | 25 |
| Camas      | -  | Kootenai   | 67 | Valley     | 4  |
| Canyon     | 38 | Latah      | 6  | Washington | 4  |
| Caribou    | -  | Lemhi      | 4  |            |    |

## Stage at Diagnosis - Bladder



## Risk and Associated Factors

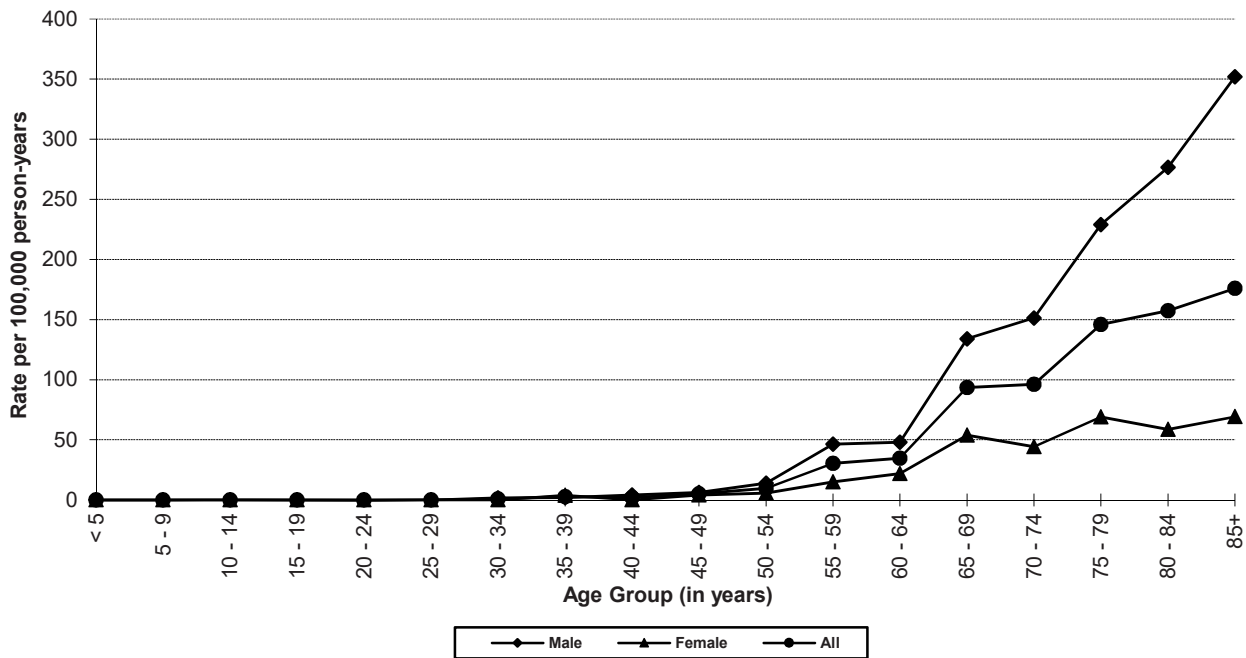
|                   |   |
|-------------------|---|
| <b>Age</b>        | Rates usually increase steadily with age.   |
| <b>Gender</b>     | Males have substantially higher rates than females.   |
| <b>Race</b>       | Incidence rates are higher in whites.   |
| <b>Occupation</b> | Truck drivers, likely 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.   |
| <b>Other</b>      | 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. <i>Schistosoma hematobium</i> 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

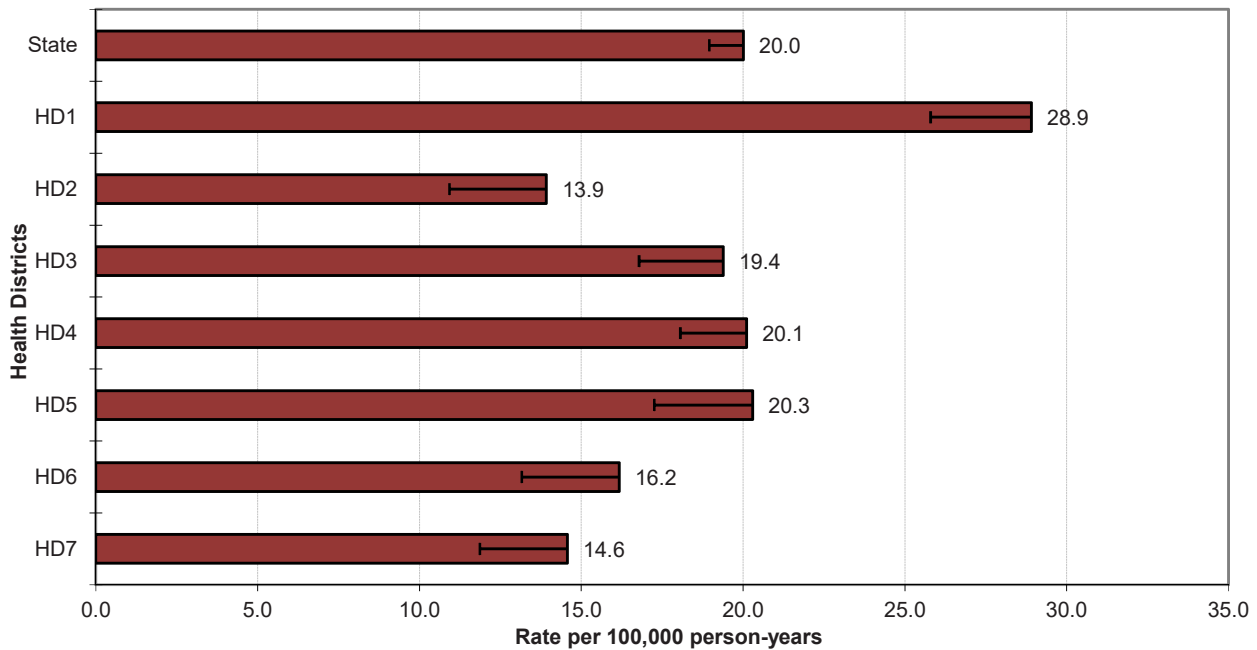
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 19.1       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 15.3- 22.8 |
| Median age-adjusted incidence rate of health districts:          | 19.4       |
| Range of age-adjusted incidence rate for health districts:       | 13.9- 28.9 |
| USCS rate (2014, all races):                                     | 19.6       |

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 both males and females. Health District 1 had statistically significantly more cases of bladder cancer than expected based upon rates for the remainder of Idaho.

### State Bladder Cancer Incidence Age-specific Rates



### Bladder Cancer Incidence Age-adjusted Rates by Health District



# BRAIN

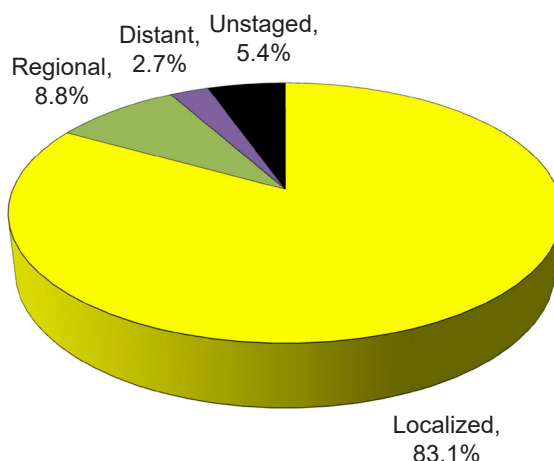
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 8.4   | 10.7 | 6.3    |
| # of new invasive cases                 | 148   | 94   | 54     |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 98    | 65   | 33     |

## Total Cases by County

|            |    |            |    |            |   |
|------------|----|------------|----|------------|---|
| Ada        | 42 | Cassia     | 4  | Lewis      | - |
| Adams      | -  | Clark      | -  | Lincoln    | 1 |
| Bannock    | 7  | Clearwater | 2  | Madison    | 1 |
| Bear Lake  | -  | Custer     | 3  | Minidoka   | 1 |
| Benewah    | 1  | Elmore     | 3  | Nez Perce  | 4 |
| Bingham    | 1  | Franklin   | 2  | Oneida     | - |
| Blaine     | -  | Fremont    | 1  | Owyhee     | - |
| Boise      | 2  | Gem        | 4  | Payette    | 3 |
| Bonner     | 5  | Gooding    | 4  | Power      | - |
| Bonneville | 5  | Idaho      | 1  | Shoshone   | 2 |
| Boundary   | 2  | Jefferson  | 3  | Teton      | - |
| Butte      | -  | Jerome     | 1  | Twin Falls | 6 |
| Camas      | -  | Kootenai   | 11 | Valley     | 2 |
| Canyon     | 15 | Latah      | 4  | Washington | 2 |
| Caribou    | -  | Lemhi      | 3  |            |   |

## Stage at Diagnosis - Brain



## Risk and Associated Factors

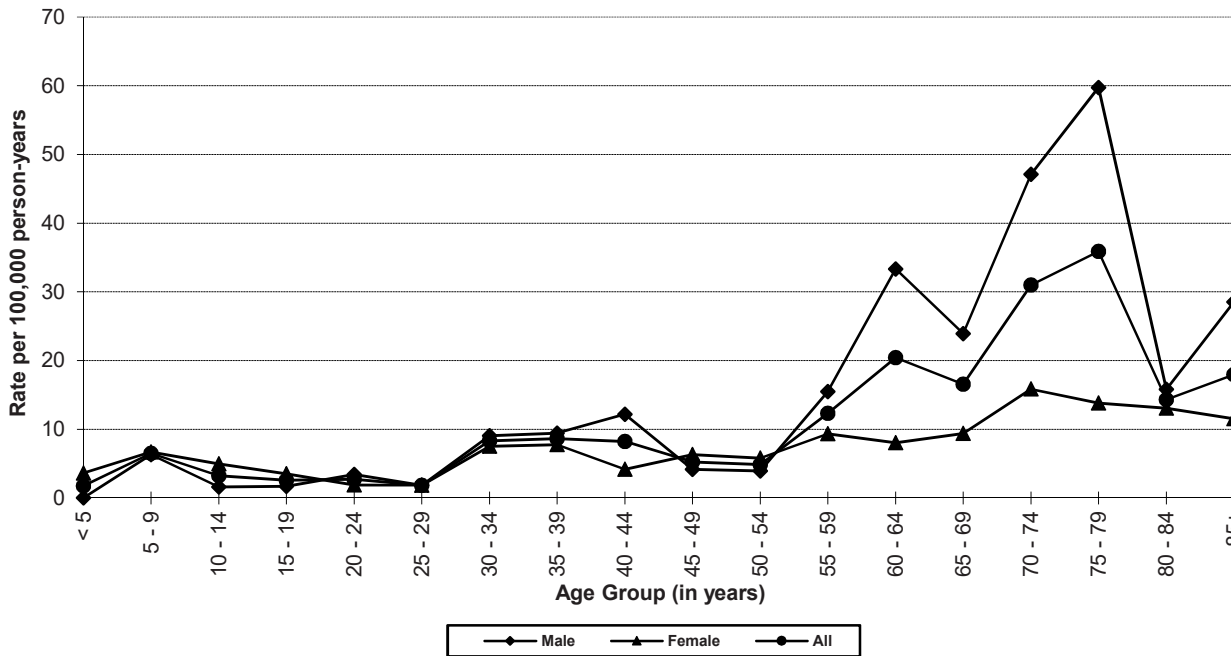
|                       |  |
|-----------------------|--|
| <b>Age</b>            | This is the second most common cancer among children, following leukemia. Adult malignant brain tumors are most common after age 60.   |
| <b>Gender</b>         | Males typically have higher rates than females.  |
| <b>Race &amp; SES</b> | The incidence rate is higher in whites and higher social classes.  |
| <b>Genetics</b>       | 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 are being developed that may be useful in screening for recurrences.  |
| <b>Occupation</b>     | 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. |
| <b>Other</b>          | Human Immunodeficiency Virus (HIV) infected individuals and organ transplant recipients have an increased risk of developing brain lymphoma.   |

## Special Notes

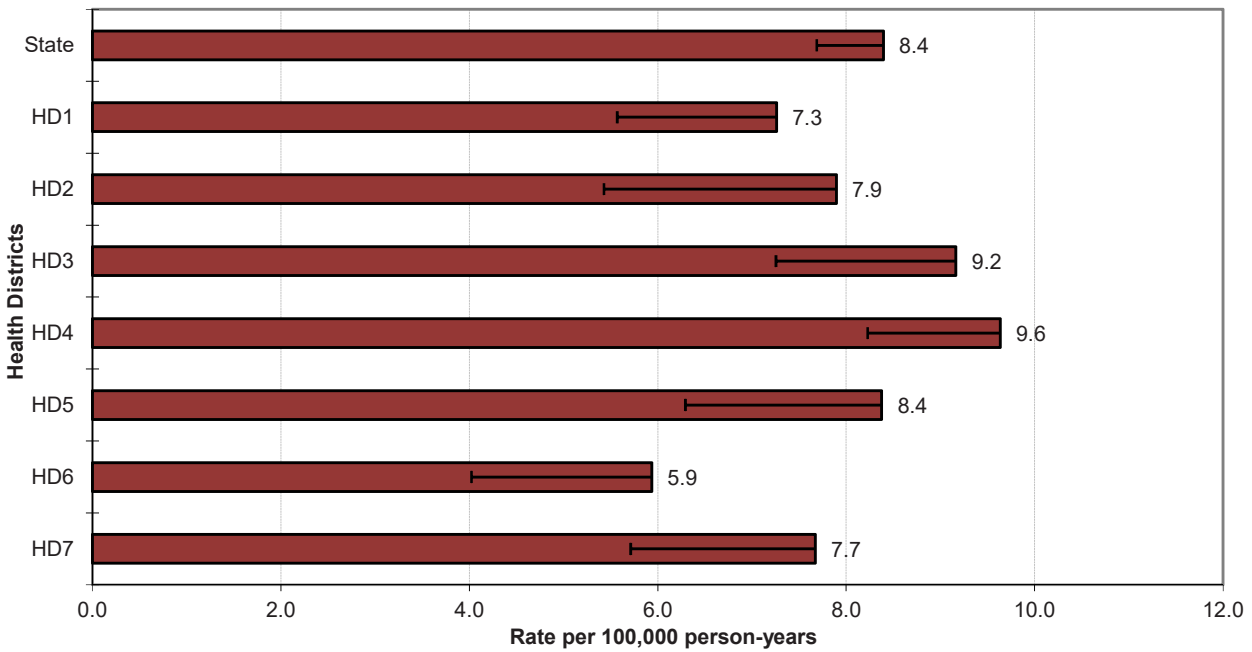
|  |          |
|--|----------|
| Mean age-adjusted incidence rate across health districts:        | 8.0      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 7.1- 8.9 |
| Median age-adjusted incidence rate of health districts:          | 7.9      |
| Range of age-adjusted incidence rate for health districts:       | 5.9- 9.6 |
| USCS rate (2014, all races):                                     | 5.8      |

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 district had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.

### State Brain Cancer Incidence Age-specific Rates



### Brain Cancer Incidence Age-adjusted Rates by Health District



# BRAIN & OTHER CNS NON-MALIGNANT

## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 12.2  | 8.4  | 15.7   |
| # of new cases                          | 221   | 72   | 149    |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 62 | Cassia     | 2  | Lewis      | 1  |
| Adams      | -  | Clark      | -  | Lincoln    | -  |
| Bannock    | 9  | Clearwater | 1  | Madison    | 3  |
| Bear Lake  | -  | Custer     | 2  | Minidoka   | 1  |
| Benewah    | -  | Elmore     | 5  | Nez Perce  | 5  |
| Bingham    | 7  | Franklin   | 2  | Oneida     | 1  |
| Blaine     | 2  | Fremont    | 2  | Owyhee     | 1  |
| Boise      | 3  | Gem        | 1  | Payette    | 3  |
| Bonner     | 4  | Gooding    | 1  | Power      | -  |
| Bonneville | 16 | Idaho      | 1  | Shoshone   | 1  |
| Boundary   | 3  | Jefferson  | 8  | Teton      | -  |
| Butte      | -  | Jerome     | 2  | Twin Falls | 11 |
| Camas      | -  | Kootenai   | 20 | Valley     | -  |
| Canyon     | 33 | Latah      | 2  | Washington | 4  |
| Caribou    | -  | Lemhi      | 2  |            |    |

## 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. For more detailed information regarding non-malignant brain tumors, see <http://www.cbtrus.org>.

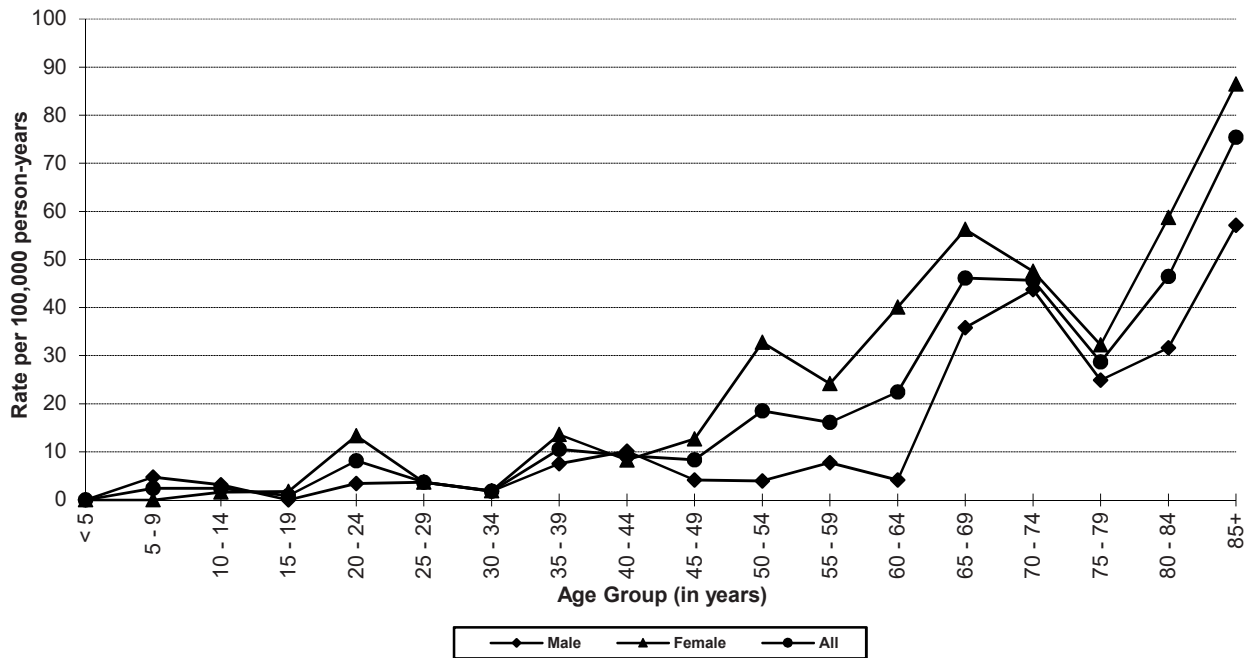
## Special Notes

|  |           |
|--|-----------|
| Mean age-adjusted incidence rate across health districts:        | 11.6      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 9.3- 13.9 |
| Median age-adjusted incidence rate of health districts:          | 11.8      |
| Range of age-adjusted incidence rate for health districts:       | 7.0- 15.7 |
| SEER 18 rate (2014, all races):                                  | 11.3      |

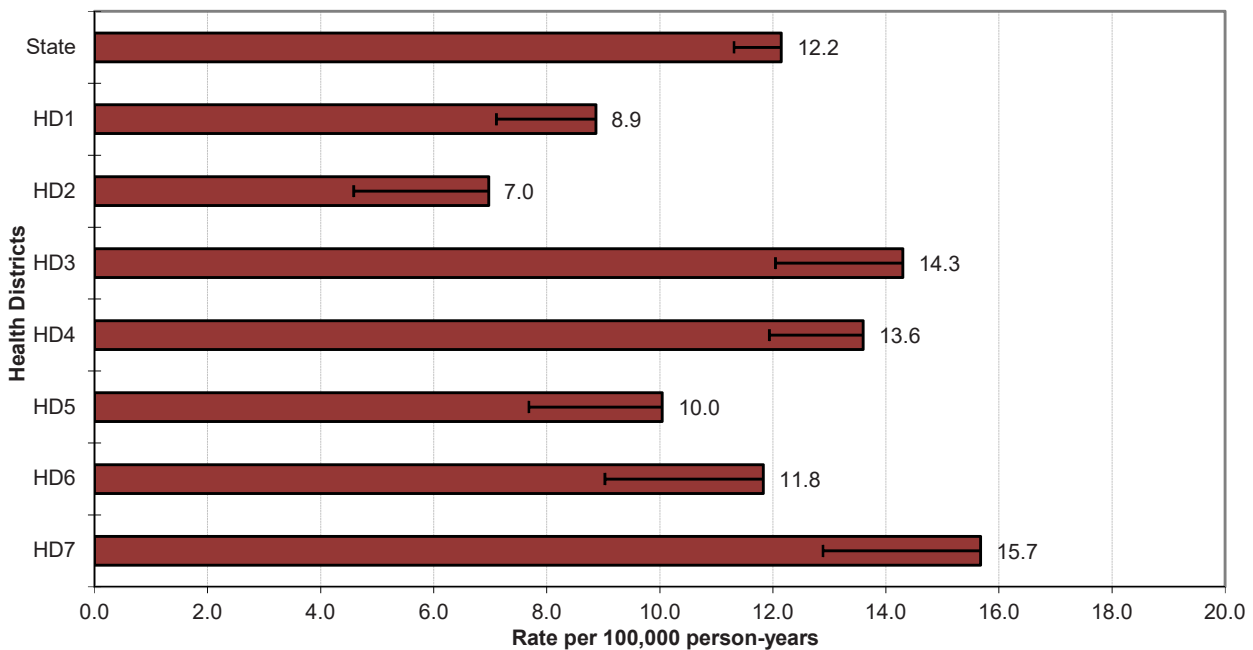
No health district had statistically significantly more, or fewer, cases of non-malignant brain and other central nervous system tumors than expected based upon rates for the remainder of Idaho.



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



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



# BREAST

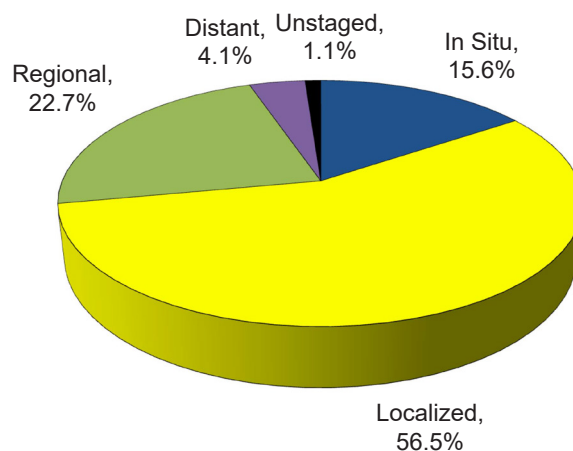
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 64.4  | 0.6  | 124.7  |
| # of new invasive cases                 | 1,175 | 5    | 1,170  |
| # of new in situ cases                  | 217   | 2    | 215    |
| # of deaths                             | 210   | 0    | 210    |

## Total Cases by County

|            |     |            |     |            |    |
|------------|-----|------------|-----|------------|----|
| Ada        | 388 | Cassia     | 15  | Lewis      | 8  |
| Adams      | 2   | Clark      | 1   | Lincoln    | 3  |
| Bannock    | 52  | Clearwater | 5   | Madison    | 8  |
| Bear Lake  | 3   | Custer     | 2   | Minidoka   | 19 |
| Benewah    | 4   | Elmore     | 13  | Nez Perce  | 57 |
| Bingham    | 46  | Franklin   | 9   | Oneida     | 2  |
| Blaine     | 27  | Fremont    | 5   | Owyhee     | 7  |
| Boise      | 12  | Gem        | 23  | Payette    | 23 |
| Bonner     | 46  | Gooding    | 8   | Power      | 8  |
| Bonneville | 73  | Idaho      | 19  | Shoshone   | 9  |
| Boundary   | 14  | Jefferson  | 7   | Teton      | 8  |
| Butte      | 2   | Jerome     | 14  | Twin Falls | 66 |
| Camas      | -   | Kootenai   | 154 | Valley     | 8  |
| Canyon     | 166 | Latah      | 30  | Washington | 8  |
| Caribou    | 3   | Lemhi      | 15  |            |    |

## Stage at Diagnosis - Breast



## Risk and Associated Factors

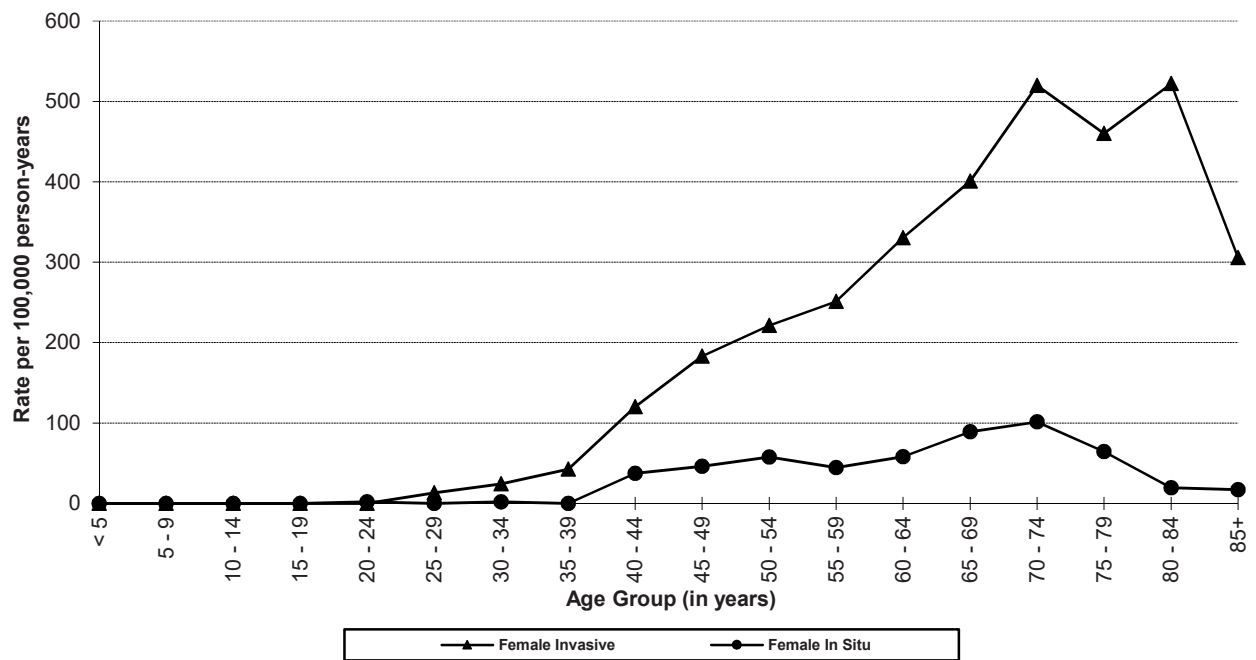
|                       |   |
|-----------------------|---|
| <b>Age</b>            | Rates increase steadily with age. Age is the single most important risk factor for breast cancer. A 60-year-old white American woman's risk of developing breast cancer is fourteen times that of a 30-year-old American woman.   |
| <b>Race &amp; SES</b> | Whites have higher incidence rates, as do women in higher income groups.  |
| <b>Genetics</b>       | 5% to 10% of all breast cancers have a major hereditary component. For the 2% to 4% of women who have BRCA 1 or 2 mutations, the risk of breast cancer by age 70 is about 45% to 65% in the absence of intervention.  |
| <b>Hormonal</b>       | 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. |
| <b>Other</b>          | Alcohol consumption, high dietary fat intake, obesity (in postmenopausal women), sedentary life-style, in utero exposure to DDT (dichlorodiphenyltrichloroethane) 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.                     |

## Special Notes

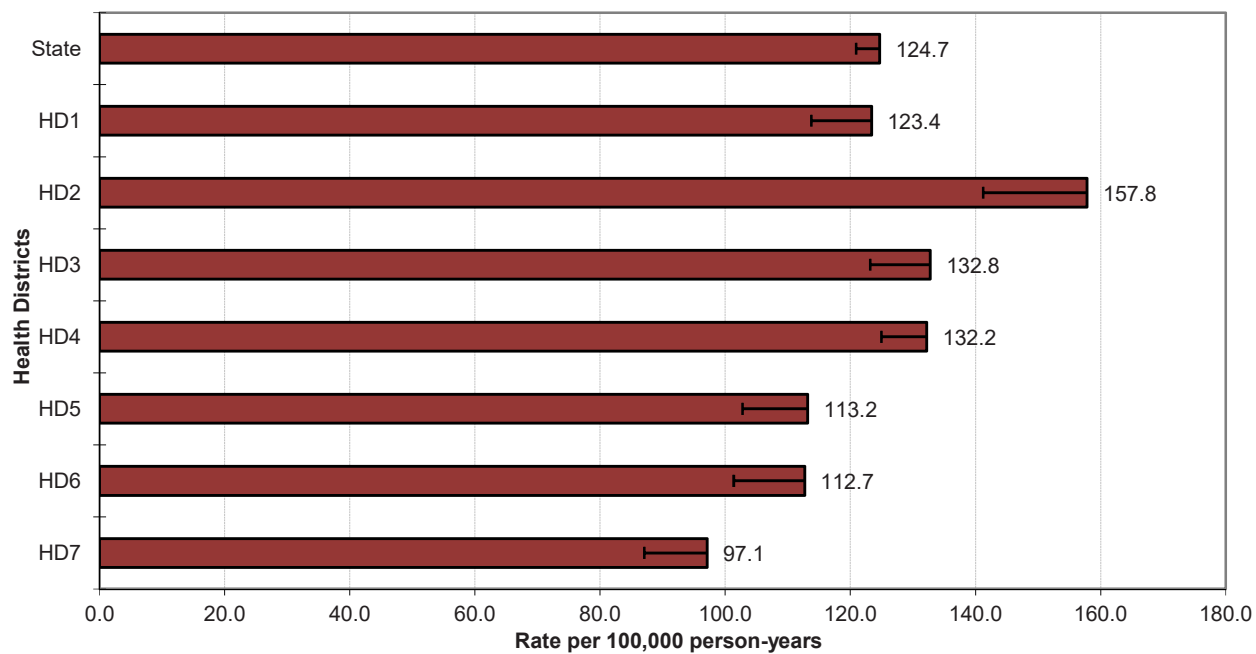
|  |              |
|--|--------------|
| Mean age-adjusted incidence rate across health districts:        | 124.2        |
| 95% confidence interval on the mean age-adjusted incidence rate: | 109.8- 138.5 |
| Median age-adjusted incidence rate of health districts:          | 123.4        |
| Range of age-adjusted incidence rate for health districts:       | 97.1- 157.8  |
| USCS rate (2014, all races):                                     | 123.2        |

The vast majority of breast cancer cases occur among females. In Idaho during the year 2015, there were 5 cases of invasive breast cancer among males. The age-specific incidence rates of female breast cancer in Idaho increased with age, peaking in the age group 80-84 for invasive cases. No cases were observed in women less than 20 years of age. Health District 2 had statistically significantly more cases of breast cancer than expected based upon rates for the remainder of Idaho, and Health District 7 had statistically significantly fewer cases than expected.

### State Female Breast Cancer Incidence Age-specific Rates



### Female Breast Cancer Incidence Age-adjusted Rates by Health District



# CERVIX

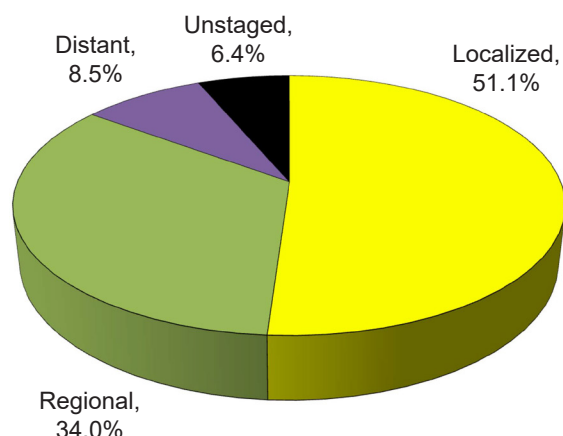
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | -     | -    | 5.7    |
| # of new invasive cases                 | -     | -    | 47     |
| # of new in-situ cases                  | -     | -    | n/a    |
| # of deaths                             | -     | -    | 17     |

## Total Cases by County

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

## Stage at Diagnosis - Cervix



## Risk and Associated Factors

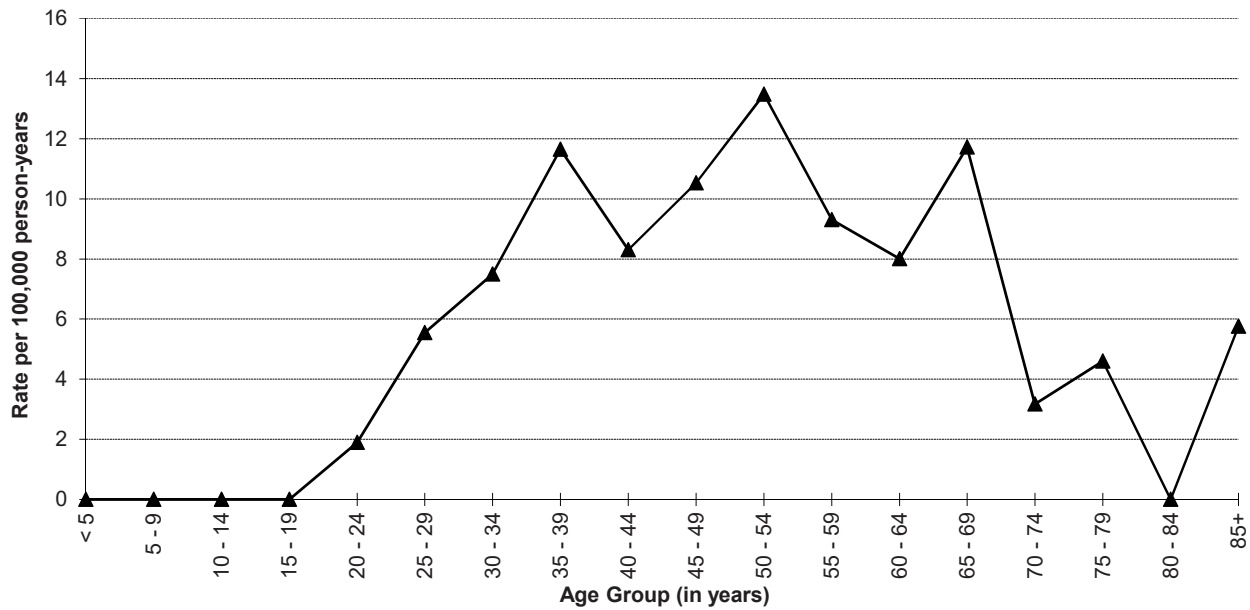
|                       |   |
|-----------------------|---|
| <b>Age</b>            | Cervical cancer occurs in adult women of any age. However, the majority of invasive cases are diagnosed in older women.   |
| <b>Race &amp; SES</b> | Blacks, Hispanics, and women in lower income groups have been shown to experience higher rates.   |
| <b>Other</b>          | 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

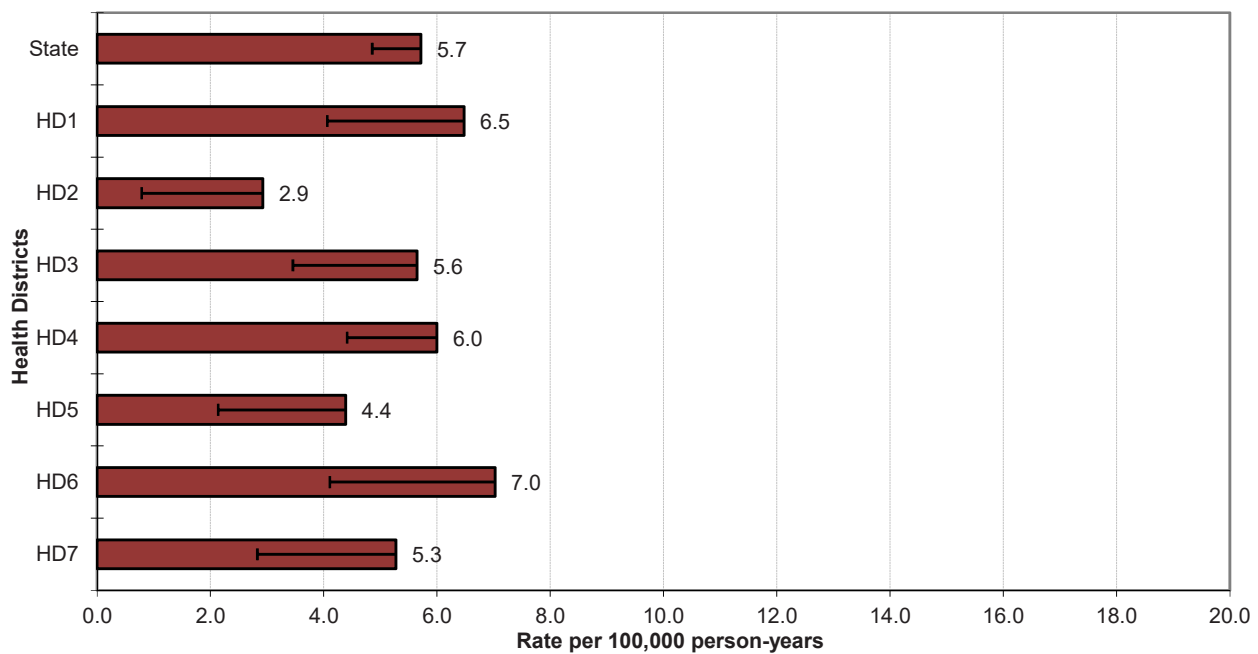
|  |          |
|--|----------|
| Mean age-adjusted incidence rate across health districts:        | 5.4      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 4.4- 6.4 |
| Median age-adjusted incidence rate of health districts:          | 5.6      |
| Range of age-adjusted incidence rate for health districts:       | 2.9- 7.0 |
| USCS rate (2014, all races):                                     | 7.4      |

Increased screening with routine Pap tests, particularly among older and low-income women, has increased diagnostic rates for pre-invasive disease and helped to reduce the incidence of invasive cervical cancer. 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

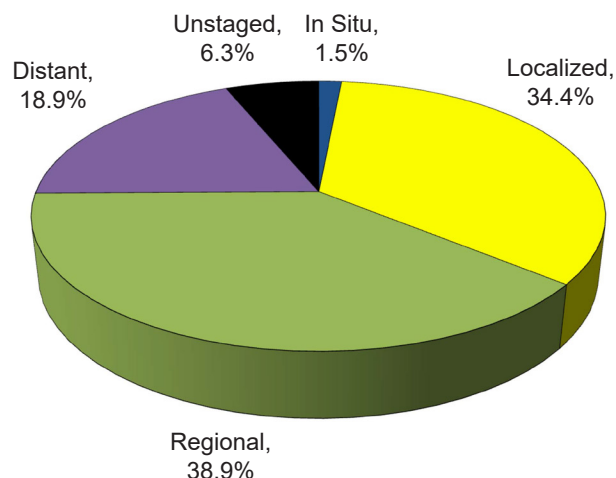
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 35.3  | 37.9 | 32.9   |
| # of new invasive cases                 | 645   | 326  | 319    |
| # of new in situ cases                  | 10    | 6    | 4      |
| # of deaths                             | 221   | 130  | 91     |

## Total Cases by County

|            |     |            |    |            |    |
|------------|-----|------------|----|------------|----|
| Ada        | 137 | Cassia     | 10 | Lewis      | 3  |
| Adams      | 1   | Clark      | -  | Lincoln    | 5  |
| Bannock    | 26  | Clearwater | 4  | Madison    | 16 |
| Bear Lake  | 4   | Custer     | 4  | Minidoka   | 8  |
| Benewah    | 5   | Elmore     | 14 | Nez Perce  | 20 |
| Bingham    | 15  | Franklin   | 3  | Oneida     | 1  |
| Blaine     | 4   | Fremont    | 7  | Owyhee     | 6  |
| Boise      | 3   | Gem        | 6  | Payette    | 15 |
| Bonner     | 30  | Gooding    | 5  | Power      | 2  |
| Bonneville | 47  | Idaho      | 12 | Shoshone   | 5  |
| Boundary   | 6   | Jefferson  | 11 | Teton      | 4  |
| Butte      | 2   | Jerome     | 6  | Twin Falls | 25 |
| Camas      | 1   | Kootenai   | 77 | Valley     | 5  |
| Canyon     | 72  | Latah      | 7  | Washington | 10 |
| Caribou    | 4   | Lemhi      | 7  |            |    |

## Stage at Diagnosis - Colorectal



## Risk and Associated Factors

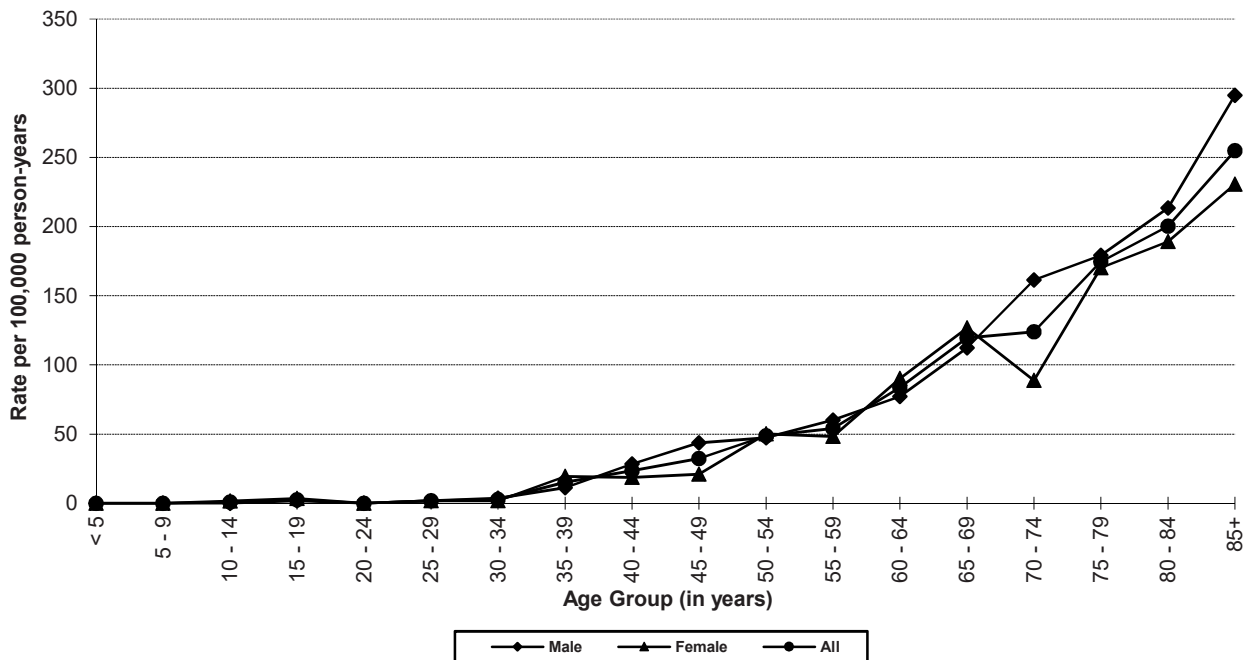
|                 |  |
|-----------------|--|
| <b>Age</b>      | Rates increase with age; the vast majority of cases occur after age 50.  |
| <b>Gender</b>   | Incidence rates are slightly higher in males.  |
| <b>Genetics</b> | It is estimated that 65-85% of colorectal cancer cases are sporadic, 10-30% are familial, and the remainder are the result of specific rare genetic disorders such as Lynch Syndrome.  |
| <b>Diet</b>     | There is strong evidence that high calorie diets and diets high in fat and low in fiber contribute to higher risks of colon cancer.  |
| <b>Other</b>    | 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. Cigarette smoking is significantly associated with colorectal cancer incidence and mortality. 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. If everyone aged 50 years and older were screened regularly, as many as 60% of deaths from colorectal cancer could be avoided. |

## Special Notes

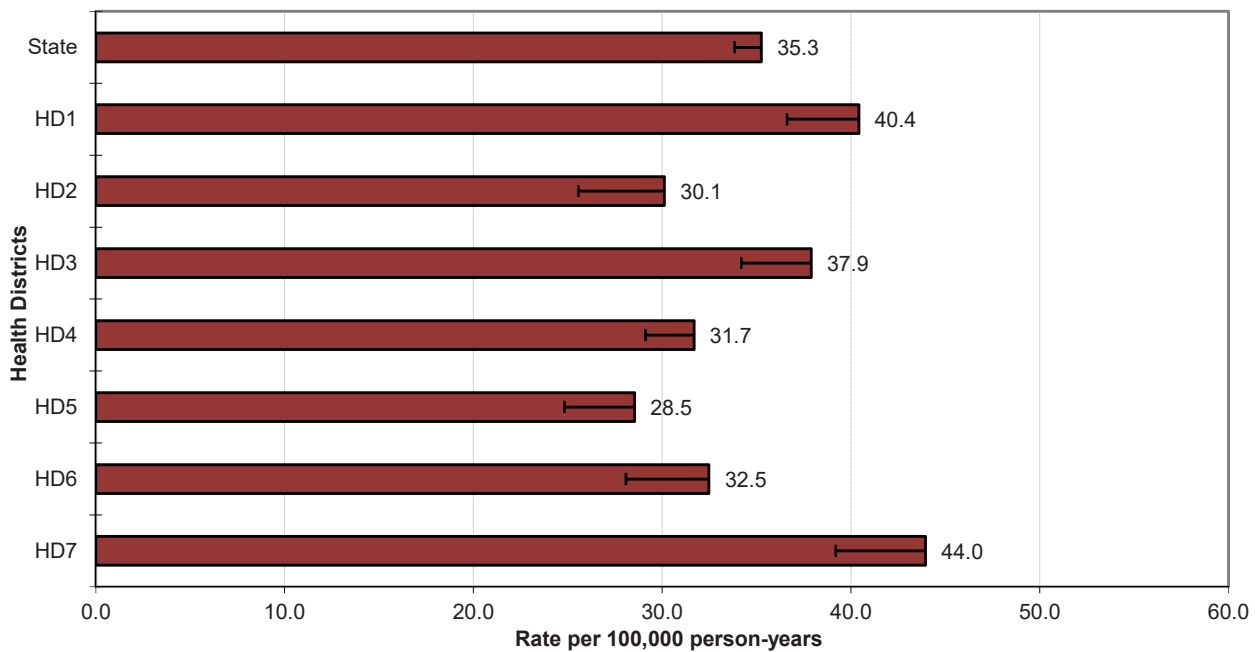
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 35.0       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 30.7- 39.3 |
| Median age-adjusted incidence rate of health districts:          | 32.5       |
| Range of age-adjusted incidence rate for health districts:       | 28.5- 44.0 |
| USCS rate (2014, all races):                                     | 37.8       |

Few cases of colorectal cancer were diagnosed in persons less than 40 years of age. There was a steep increase in age-specific incidence rates starting at age 60. Health District 7 had statistically significantly more cases of colorectal cancer than expected based upon rates for the remainder of Idaho.

### State Colorectal Cancer Incidence Age-specific Rates



### Colorectal Cancer Incidence Age-adjusted Rates by Health District



# CORPUS UTERI

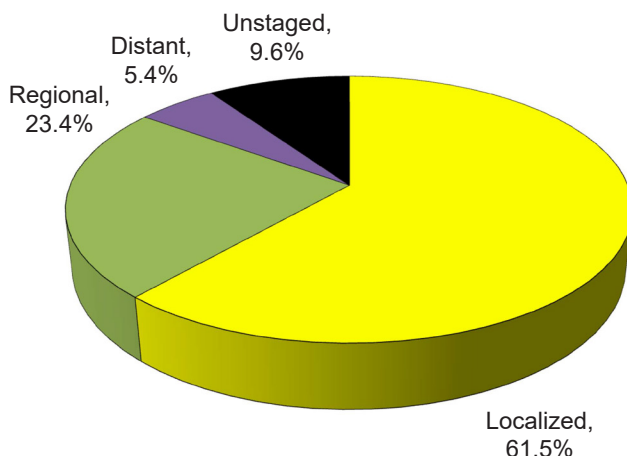
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | -     | -    | 24.3   |
| # of new invasive cases                 | -     | -    | 239    |
| # of new in situ cases                  | -     | -    | 0      |
| # of deaths                             | -     | -    | 28     |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 49 | Cassia     | 6  | Lewis      | 1  |
| Adams      | 1  | Clark      | -  | Lincoln    | -  |
| Bannock    | 10 | Clearwater | 3  | Madison    | 3  |
| Bear Lake  | -  | Custer     | 1  | Minidoka   | 1  |
| Benewah    | 4  | Elmore     | 1  | Nez Perce  | 4  |
| Bingham    | 9  | Franklin   | 1  | Oneida     | -  |
| Blaine     | 3  | Fremont    | -  | Owyhee     | -  |
| Boise      | -  | Gem        | 3  | Payette    | 7  |
| Bonner     | 11 | Gooding    | 2  | Power      | 1  |
| Bonneville | 15 | Idaho      | 1  | Shoshone   | 2  |
| Boundary   | 3  | Jefferson  | 5  | Teton      | 1  |
| Butte      | -  | Jerome     | -  | Twin Falls | 19 |
| Camas      | -  | Kootenai   | 27 | Valley     | 2  |
| Canyon     | 32 | Latah      | 8  | Washington | 2  |
| Caribou    | 1  | Lemhi      | -  |            |    |

## Stage at Diagnosis - Corpus Uteri



## Risk and Associated Factors

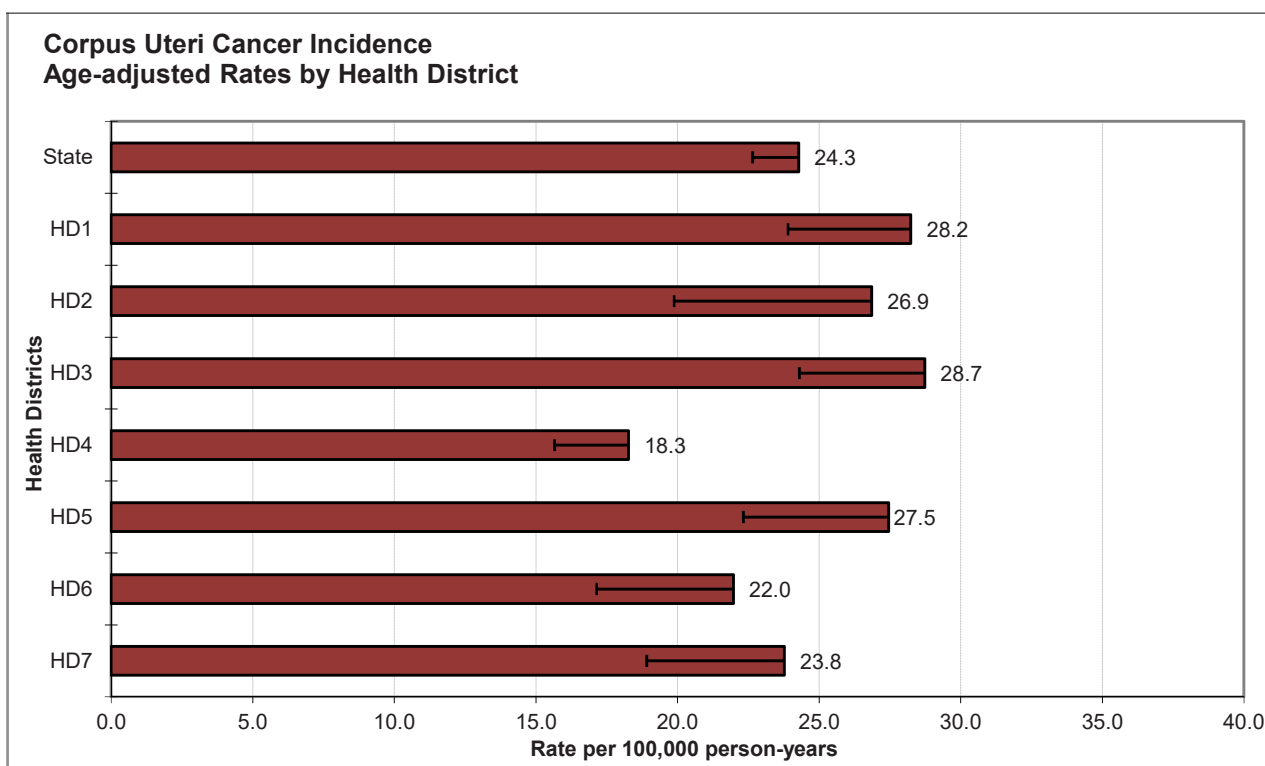
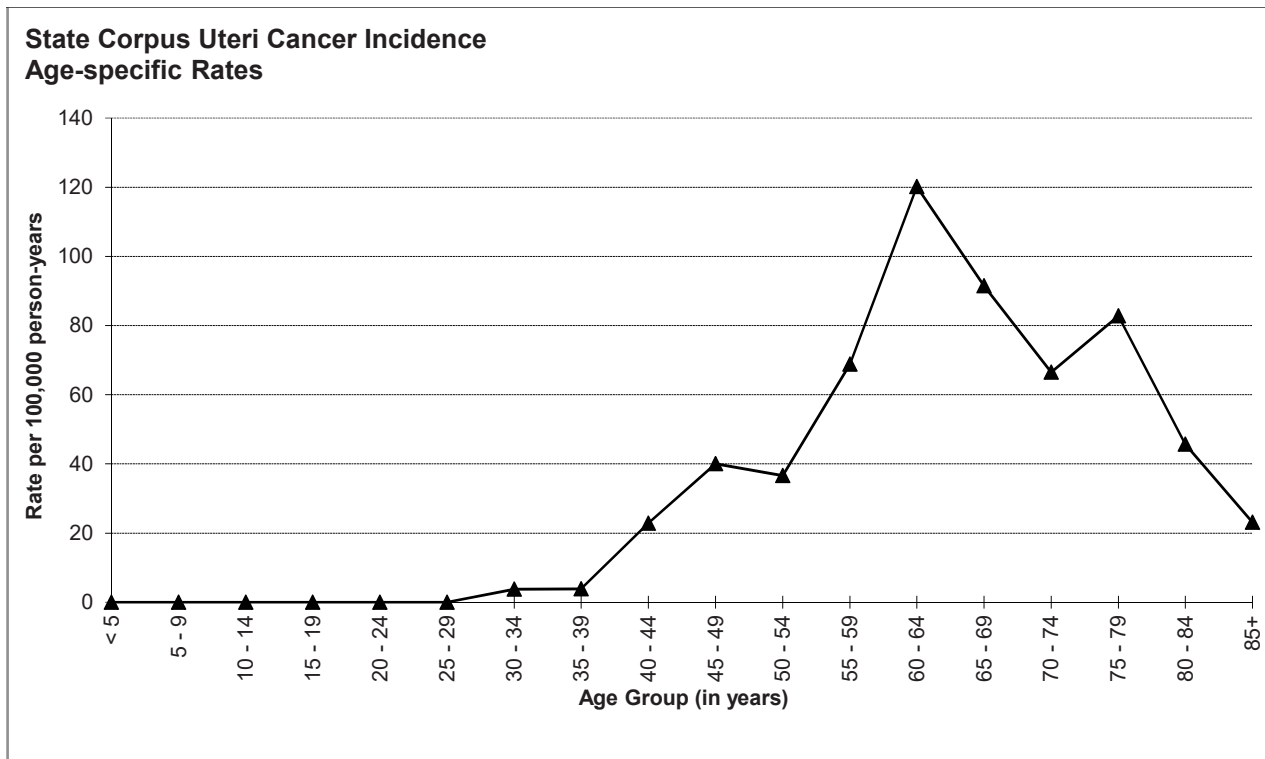
|                       |   |
|-----------------------|---|
| <b>Age</b>            | Occurs predominantly after menopause, with incidence rates peaking before age 80.   |
| <b>Race &amp; SES</b> | White women have higher rates than black or Asian/Pacific Islander women in the U.S.  |
| <b>Genetics</b>       | Familial tendency has been observed, but likely accounts for a small fraction of cases.   |
| <b>Diet</b>           | Dietary fat may play a role in increased risk. Obesity and hypertension are common associated conditions of endometrial cancer.   |
| <b>Hormonal</b>       | 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 and 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:        | 25.0       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 22.2- 27.9 |
| Median age-adjusted incidence rate of health districts:          | 26.9       |
| Range of age-adjusted incidence rate for health districts:       | 18.3- 28.7 |
| USCS rate (2014, all races):                                     | 26.3       |

Few cases of endometrial cancer were diagnosed in persons less than 35 years of age. After age 39, there was a sharp increase in age-specific rates, peaking in the age group 60-64. Health District 4 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.





# ESOPHAGUS

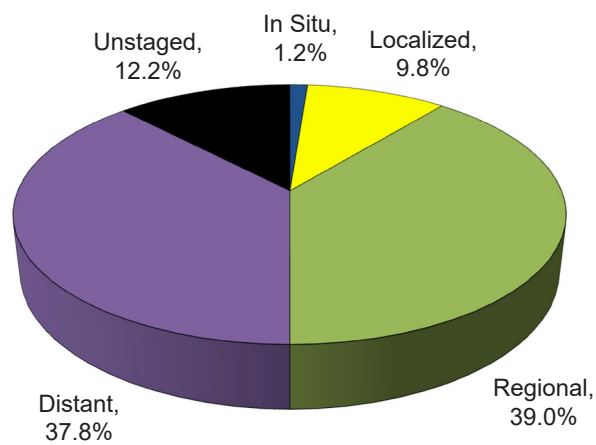
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 4.2   | 7.1  | 1.5    |
| # of new invasive cases                 | 81    | 66   | 15     |
| # of new in situ cases                  | 1     | 1    | 0      |
| # of deaths                             | 89    | 66   | 23     |

## Total Cases by County

|            |    |            |    |            |   |
|------------|----|------------|----|------------|---|
| Ada        | 22 | Cassia     | -  | Lewis      | - |
| Adams      | -  | Clark      | 1  | Lincoln    | - |
| Bannock    | 1  | Clearwater | 2  | Madison    | 1 |
| Bear Lake  | -  | Custer     | 2  | Minidoka   | 2 |
| Benewah    | -  | Elmore     | 3  | Nez Perce  | 2 |
| Bingham    | -  | Franklin   | 1  | Oneida     | - |
| Blaine     | -  | Fremont    | -  | Owyhee     | 1 |
| Boise      | 1  | Gem        | 1  | Payette    | - |
| Bonner     | 2  | Gooding    | -  | Power      | - |
| Bonneville | 2  | Idaho      | 3  | Shoshone   | 1 |
| Boundary   | 1  | Jefferson  | 1  | Teton      | 1 |
| Butte      | -  | Jerome     | 1  | Twin Falls | 3 |
| Camas      | -  | Kootenai   | 11 | Valley     | 1 |
| Canyon     | 9  | Latah      | 3  | Washington | 3 |
| Caribou    | -  | Lemhi      | -  |            |   |

## Stage at Diagnosis - Esophagus



## Risk and Associated Factors

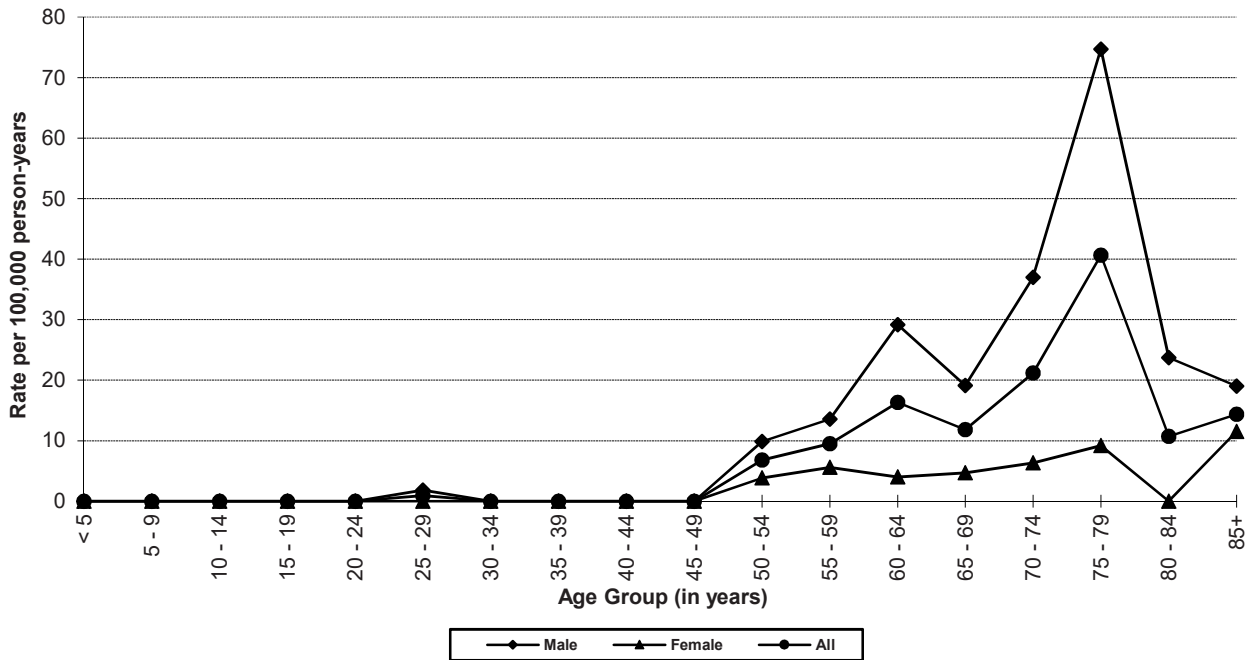
|                       |   |
|-----------------------|---|
| <b>Age</b>            | Incidence of esophageal cancer is highest after age 55.   |
| <b>Gender</b>         | Males have higher incidence rates, with male-to-female ratios of cases about 3:1 or more.   |
| <b>Race &amp; SES</b> | United States data show that blacks are affected more than whites. Risk is higher among lower SES strata.   |
| <b>Occupation</b>     | Chimney sweeps exposed to soot are at higher risk.  |
| <b>Other</b>          | 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

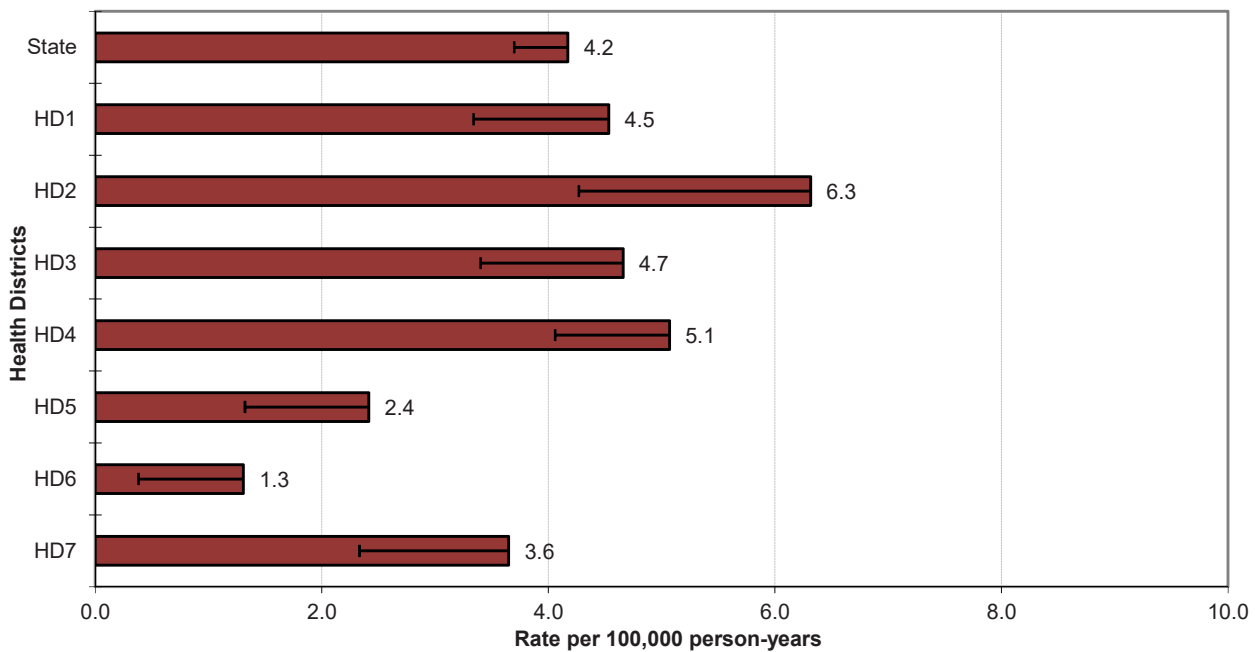
|  |          |
|--|----------|
| Mean age-adjusted incidence rate across health districts:        | 4.0      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 2.7- 5.2 |
| Median age-adjusted incidence rate of health districts:          | 4.5      |
| Range of age-adjusted incidence rate for health districts:       | 1.3- 6.3 |
| USCS rate (2014, all races):                                     | 4.4      |

Few cases of esophageal cancer were diagnosed in person less than 50 years of age. The age-specific incidence rates peaked in the age group 75-79 for males and 85+ for females. Health District 6 had statistically 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

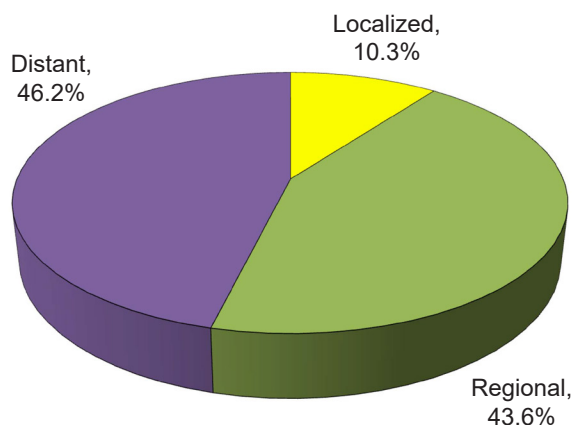
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 2.3   | 3.2  | 1.4    |
| # of new invasive cases                 | 39    | 26   | 13     |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 4     | 1    | 3      |

## Total Cases by County

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

## Stage at Diagnosis - Hodgkin Lymphoma



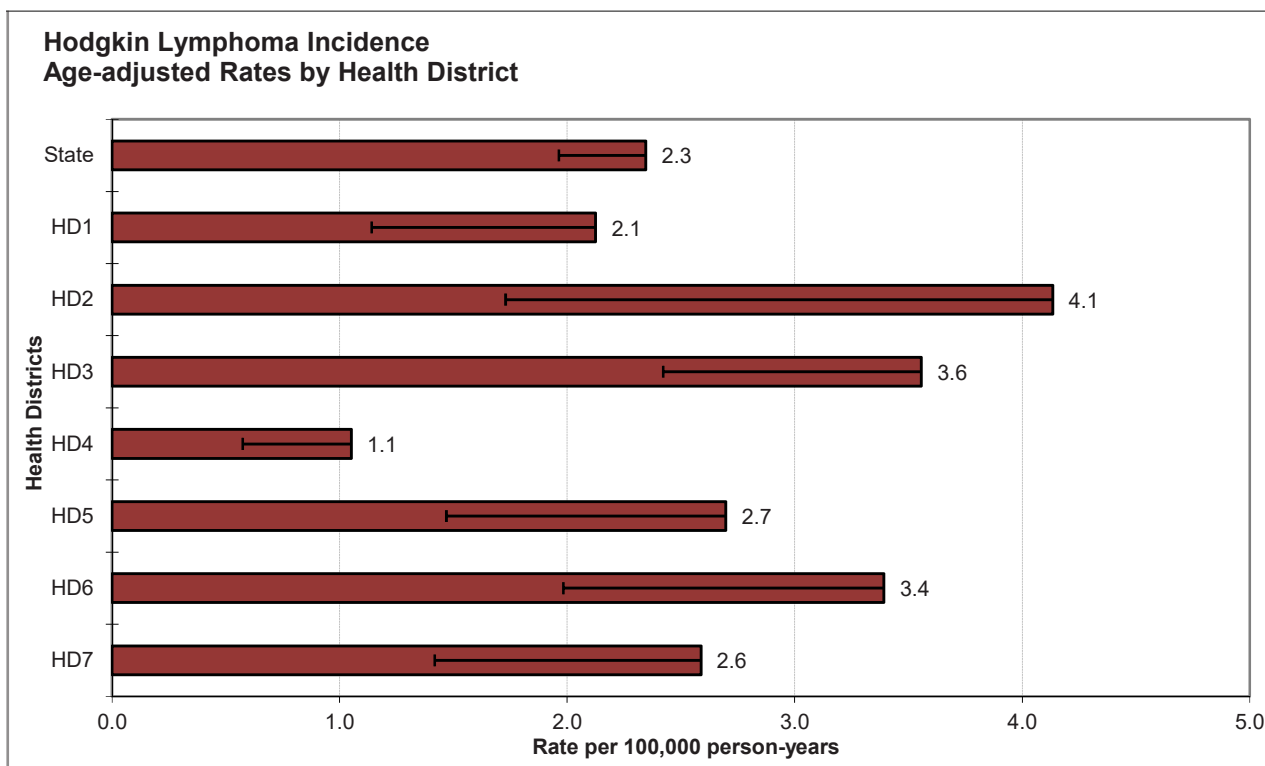
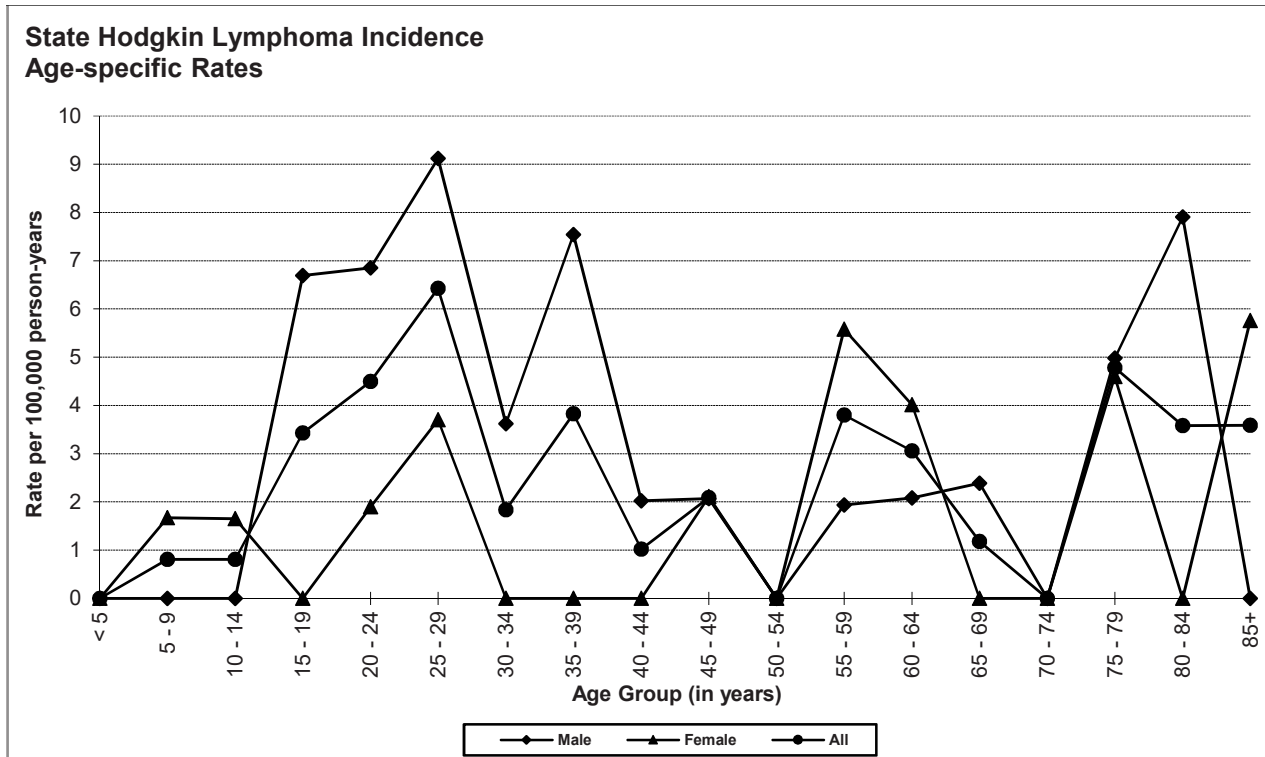
## Risk and Associated Factors

|                       |   |
|-----------------------|---|
| <b>Age</b>            | High rates are seen in young adults and in later age groups especially among males.   |
| <b>Gender</b>         | Males typically have slightly higher rates than females.  |
| <b>Race &amp; SES</b> | Hodgkin lymphoma is more common among whites than among blacks. Hodgkin lymphoma is more common in higher income groups.  |
| <b>Genetics</b>       | Genetic factors are thought to play an important role in the etiology of Hodgkin lymphoma, but these are yet to be adequately defined.  |
| <b>Other</b>          | 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:        | 2.8      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 2.0- 3.5 |
| Median age-adjusted incidence rate of health districts:          | 2.7      |
| Range of age-adjusted incidence rate for health districts:       | 1.1- 4.1 |
| USCS rate (2014, all races):                                     | 2.6      |

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. Health District 4 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.



# KIDNEY AND RENAL PELVIS

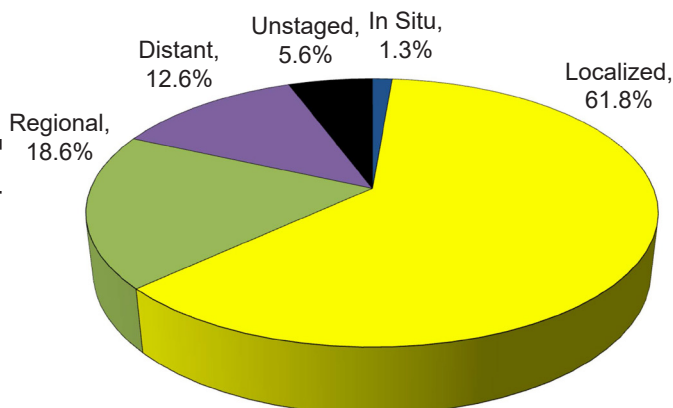
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 16.1  | 21.3 | 11.2   |
| # of new invasive cases                 | 297   | 189  | 108    |
| # of new in situ cases                  | 4     | 1    | 3      |
| # of deaths                             | 76    | 52   | 24     |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 68 | Cassia     | 4  | Lewis      | -  |
| Adams      | -  | Clark      | -  | Lincoln    | -  |
| Bannock    | 8  | Clearwater | 3  | Madison    | 4  |
| Bear Lake  | -  | Custer     | -  | Minidoka   | 3  |
| Benewah    | 4  | Elmore     | 5  | Nez Perce  | 12 |
| Bingham    | 9  | Franklin   | -  | Oneida     | 1  |
| Blaine     | 4  | Fremont    | 3  | Owyhee     | 3  |
| Boise      | 1  | Gem        | -  | Payette    | 1  |
| Bonner     | 7  | Gooding    | 2  | Power      | -  |
| Bonneville | 15 | Idaho      | 6  | Shoshone   | 4  |
| Boundary   | 5  | Jefferson  | 7  | Teton      | -  |
| Butte      | -  | Jerome     | 6  | Twin Falls | 12 |
| Camas      | -  | Kootenai   | 40 | Valley     | 4  |
| Canyon     | 48 | Latah      | 8  | Washington | 1  |
| Caribou    | -  | Lemhi      | 3  |            |    |

## Stage at Diagnosis - Kidney and Renal Pelvis



## Risk and Associated Factors

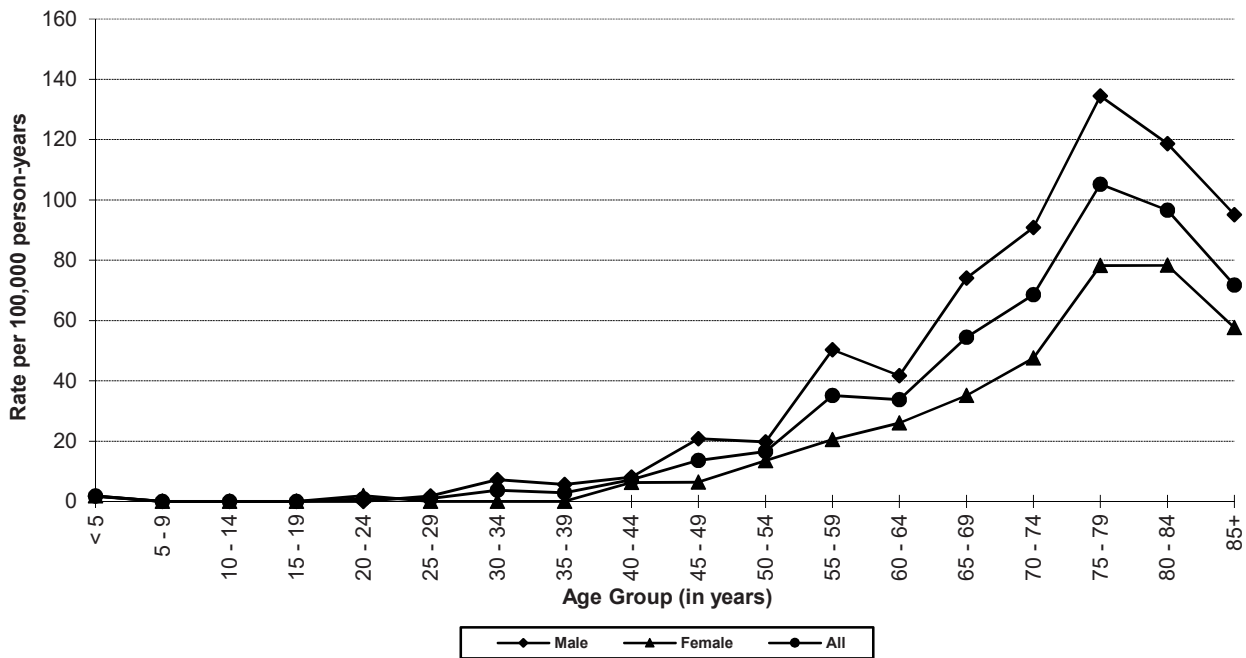
|                   |  |
|-------------------|--|
| <b>Age</b>        | Both adults and children are at risk for kidney cancer. Renal cell carcinoma accounts for about 80% of all adult kidney cancers. Wilm's tumor (nephroblastoma) affects predominantly children under age 5 and accounts for the majority of childhood kidney cancers.   |
| <b>Gender</b>     | Renal cell carcinoma affects males twice as often as females.  |
| <b>Genetics</b>   | Wilm's tumor often occurs with congenital defects.   |
| <b>Occupation</b> | Certain occupations, such as laundry and leather workers, have been associated with increased risk due to chemical exposure.   |
| <b>Other</b>      | 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

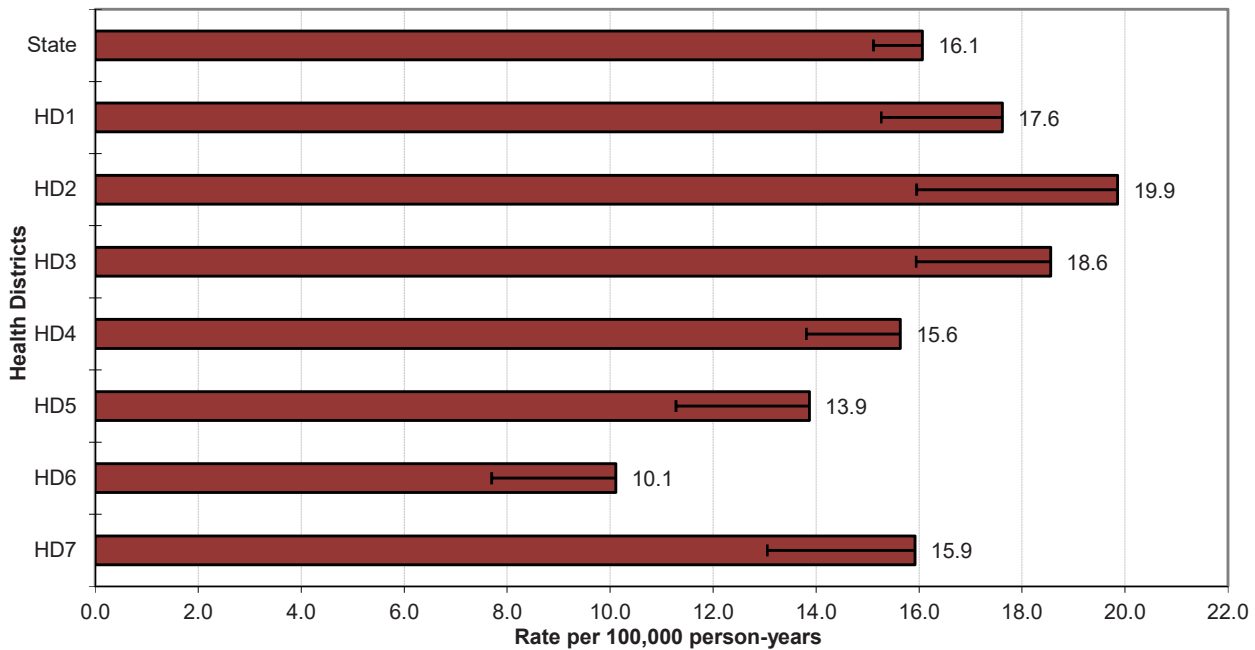
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 15.9       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 13.5- 18.3 |
| Median age-adjusted incidence rate of health districts:          | 15.9       |
| Range of age-adjusted incidence rate for health districts:       | 10.1- 19.9 |
| USCS rate (2014, all races):                                     | 16.0       |

There were few cases of kidney or renal pelvis cancer among persons aged less than 40 years. The age-specific incidence rates peaked in the age group 75-79 for males and 80-84 for females. Health District 6 had statistically significantly fewer 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

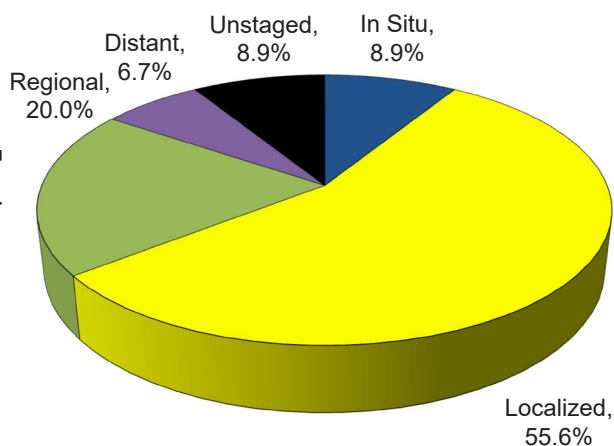
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 2.1   | 3.7  | 0.6    |
| # of new invasive cases                 | 41    | 36   | 5      |
| # of new in situ cases                  | 4     | 4    | 0      |
| # of deaths                             | 13    | 10   | 3      |

## Total Cases by County

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

## Stage at Diagnosis - Larynx



## Risk and Associated Factors

|                       |   |
|-----------------------|---|
| <b>Age</b>            | Rates increase with age, with the vast majority of cases occurring after age 55.  |
| <b>Gender</b>         | Laryngeal cancers are much more common in males than females.   |
| <b>Race &amp; SES</b> | Generally in the United States, blacks have higher incidence rates than whites. Lower income groups experience higher rates.  |
| <b>Occupation</b>     | Laryngeal cancer has been associated with exposures to asbestos and wood dust.  |
| <b>Diet</b>           | Diets low in fresh fruits and vegetables may increase the risk.   |
| <b>Other</b>          | 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. |

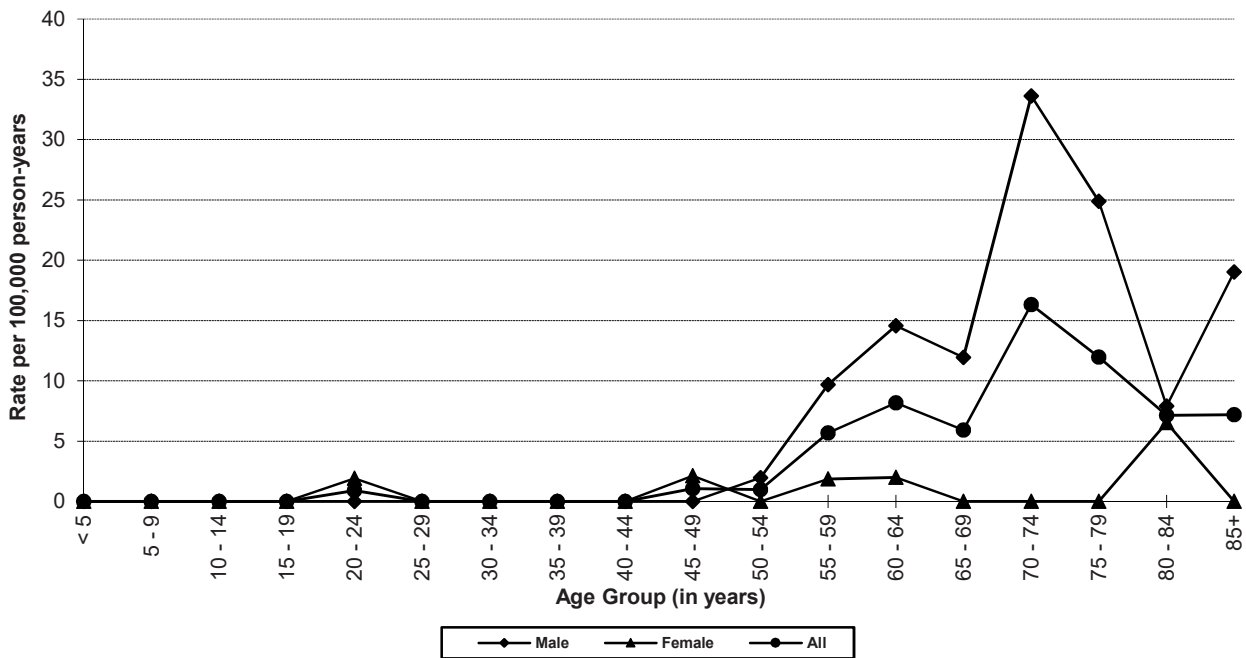
## Special Notes

|  |          |
|--|----------|
| Mean age-adjusted incidence rate across health districts:        | 1.9      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 1.2- 2.5 |
| Median age-adjusted incidence rate of health districts:          | 2.2      |
| Range of age-adjusted incidence rate for health districts:       | 0.5- 2.9 |
| USCS rate (2014, all races):                                     | 3.2      |

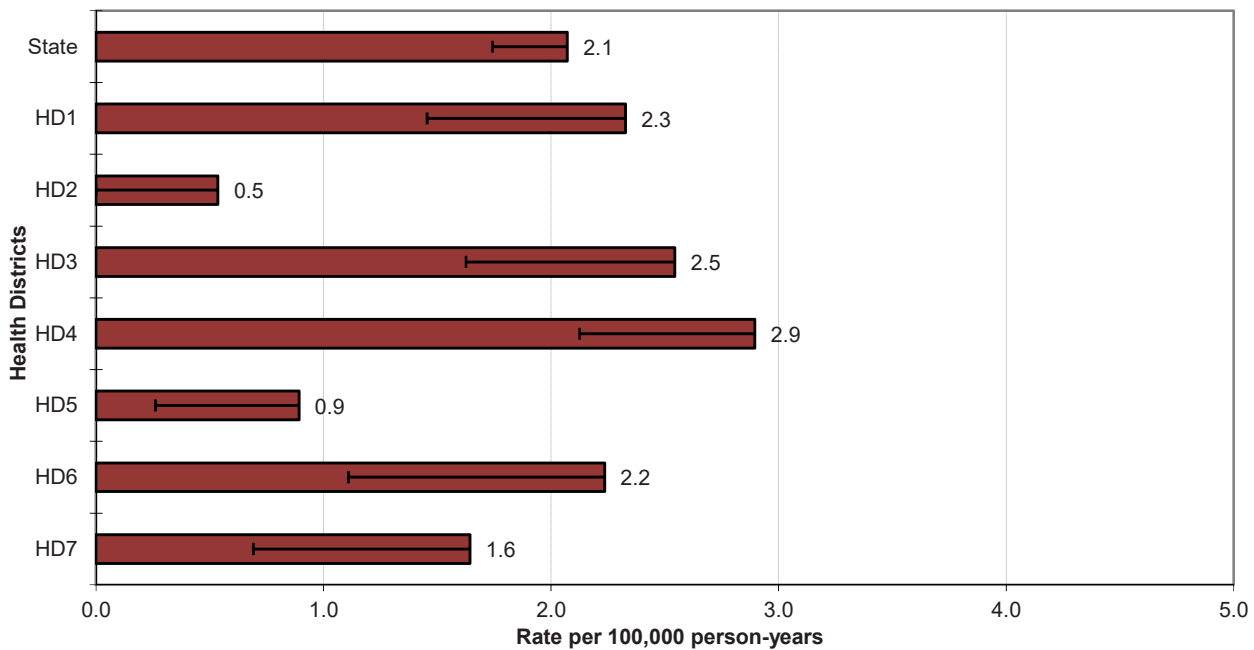
There were no cases of laryngeal cancer among persons aged less than 50 years. The age-specific incidence rates for males were more than twice those for females in most age groups. The age-specific incidence rates peaked in the age group 70-74 for males and 80-84 for females. No health district had statistically significantly fewer or more cases than expected based upon rates for the remainder of Idaho.



### State Laryngeal Cancer Incidence Age-specific Rates



### Laryngeal Cancer Incidence Age-adjusted Rates by Health District



# LEUKEMIA

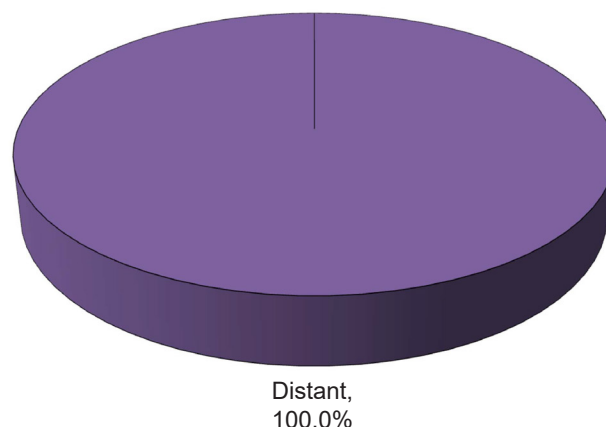
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 16.6  | 20.0 | 13.7   |
| # of new invasive cases                 | 301   | 174  | 127    |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 118   | 71   | 47     |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 57 | Cassia     | 3  | Lewis      | 1  |
| Adams      | -  | Clark      | -  | Lincoln    | -  |
| Bannock    | 15 | Clearwater | 2  | Madison    | 4  |
| Bear Lake  | 1  | Custer     | 1  | Minidoka   | 3  |
| Benewah    | 3  | Elmore     | 8  | Nez Perce  | 9  |
| Bingham    | 9  | Franklin   | 3  | Oneida     | 3  |
| Blaine     | 5  | Fremont    | 2  | Owyhee     | 3  |
| Boise      | 1  | Gem        | 6  | Payette    | 7  |
| Bonner     | 10 | Gooding    | 1  | Power      | 1  |
| Bonneville | 13 | Idaho      | 5  | Shoshone   | 3  |
| Boundary   | 3  | Jefferson  | 3  | Teton      | 1  |
| Butte      | 3  | Jerome     | 3  | Twin Falls | 20 |
| Camas      | -  | Kootenai   | 37 | Valley     | 1  |
| Canyon     | 41 | Latah      | 8  | Washington | 1  |
| Caribou    | 1  | Lemhi      | -  |            |    |

## Stage at Diagnosis - Leukemia



## Risk and Associated Factors

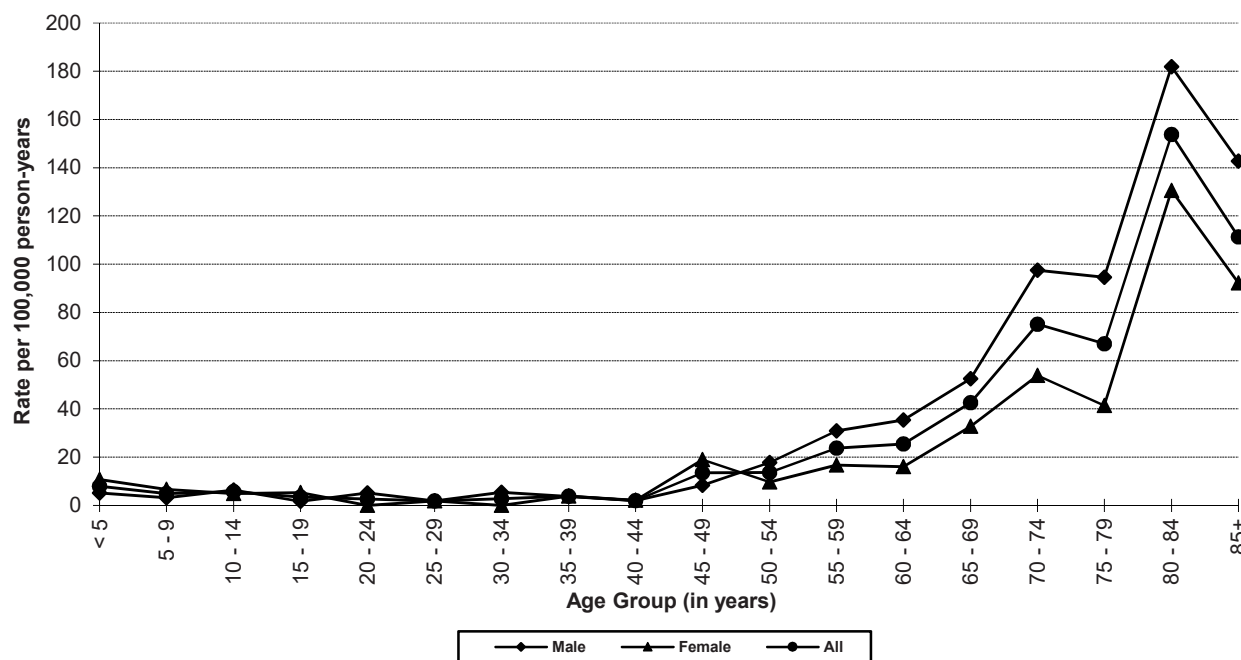
|                   |   |
|-------------------|---|
| <b>Age</b>        | Leukemia is the most common form of cancer in children. Incidence usually increases with age in adults. The highest rates occur in individuals over age 60.   |
| <b>Gender</b>     | Males have higher incidence rates than females for chronic myelogenous leukemia (CML), acute lymphoblastic leukemia (ALL), and chronic lymphocytic leukemia (CLL).  |
| <b>Race</b>       | ALL is less common among blacks. CLL is rare in Asian/Pacific Islanders.  |
| <b>Genetics</b>   | Certain congenital defects, such as trisomy 21, Fanconi's anemia, Bloom syndrome, and ataxia-telangiectasia, increase risk in children for various types of leukemia.   |
| <b>Occupation</b> | Benzene is a known cause of leukemia (predominantly acute myelogenous leukemia [AML]). Chimney sweeps exposed to soot are at higher risk.   |
| <b>Other</b>      | 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

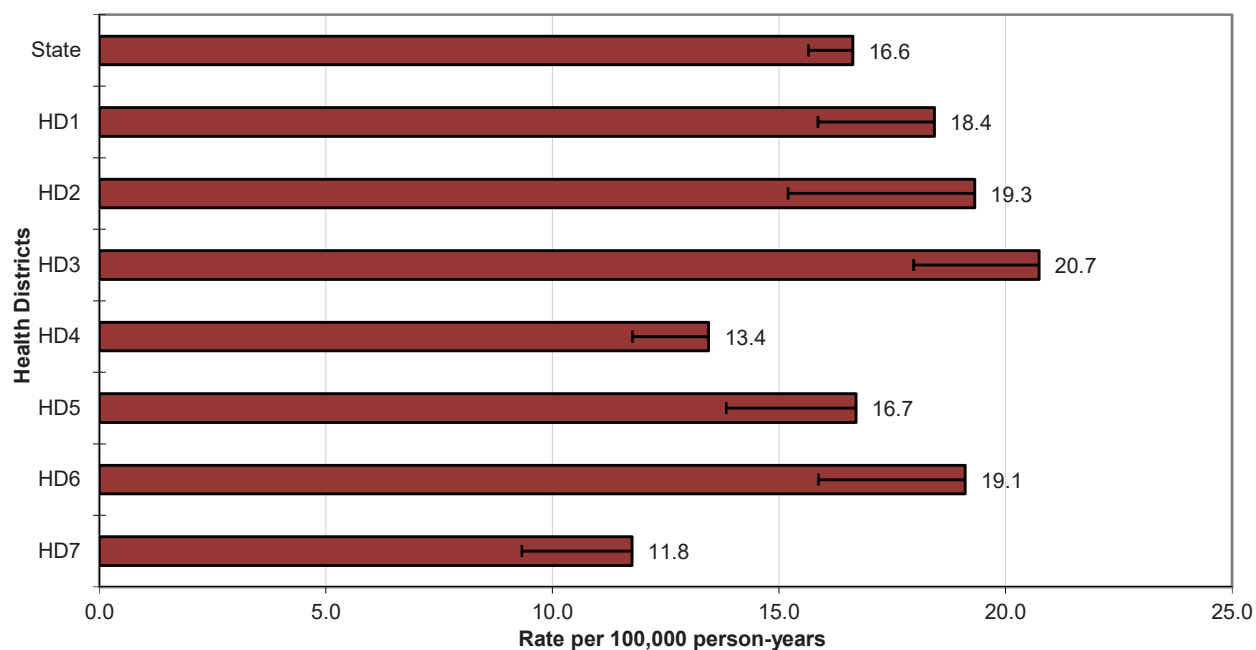
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 17.1       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 14.6- 19.5 |
| Median age-adjusted incidence rate of health districts:          | 18.4       |
| Range of age-adjusted incidence rate for health districts:       | 11.8- 20.7 |
| USCS rate (2014, all races):                                     | 12.9       |

The age-specific incidence distribution of leukemia for Idaho is quite similar to the typical pattern seen in SEER or NPCR data. 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. Health District 4 had statistically significantly fewer cases than expected based upon rates for the remainder of Idaho.

### State Leukemia Incidence Age-specific Rates



### Leukemia Incidence Age-adjusted Rates by Health District



# LIVER AND BILE DUCT

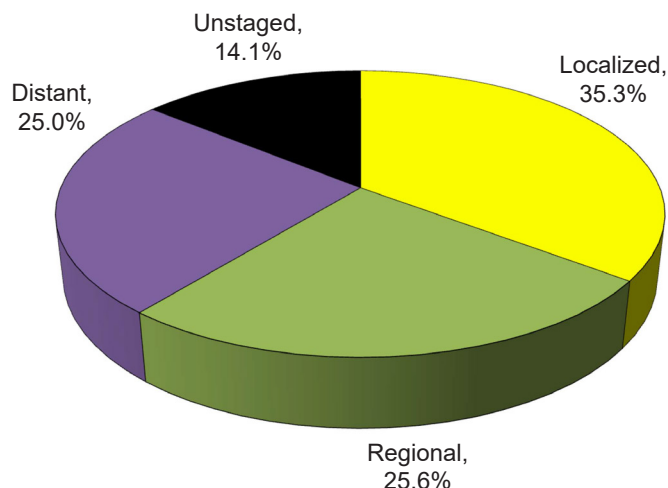
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 7.7   | 11.4 | 4.3    |
| # of new invasive cases                 | 156   | 113  | 43     |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 117   | 77   | 40     |

## Total Cases by County

|            |    |            |    |            |   |
|------------|----|------------|----|------------|---|
| Ada        | 47 | Cassia     | 2  | Lewis      | 2 |
| Adams      | -  | Clark      | -  | Lincoln    | - |
| Bannock    | 9  | Clearwater | -  | Madison    | 2 |
| Bear Lake  | -  | Custer     | 1  | Minidoka   | 4 |
| Benewah    | -  | Elmore     | 4  | Nez Perce  | 4 |
| Bingham    | 4  | Franklin   | -  | Oneida     | 1 |
| Blaine     | 1  | Fremont    | -  | Owyhee     | - |
| Boise      | 4  | Gem        | 4  | Payette    | 2 |
| Bonner     | 6  | Gooding    | 1  | Power      | 1 |
| Bonneville | 6  | Idaho      | 3  | Shoshone   | 5 |
| Boundary   | 3  | Jefferson  | 1  | Teton      | 1 |
| Butte      | -  | Jerome     | 2  | Twin Falls | 8 |
| Camas      | -  | Kootenai   | 11 | Valley     | - |
| Canyon     | 15 | Latah      | -  | Washington | - |
| Caribou    | 1  | Lemhi      | 1  |            |   |

## Stage at Diagnosis - Liver and Bile Duct



## Risk and Associated Factors

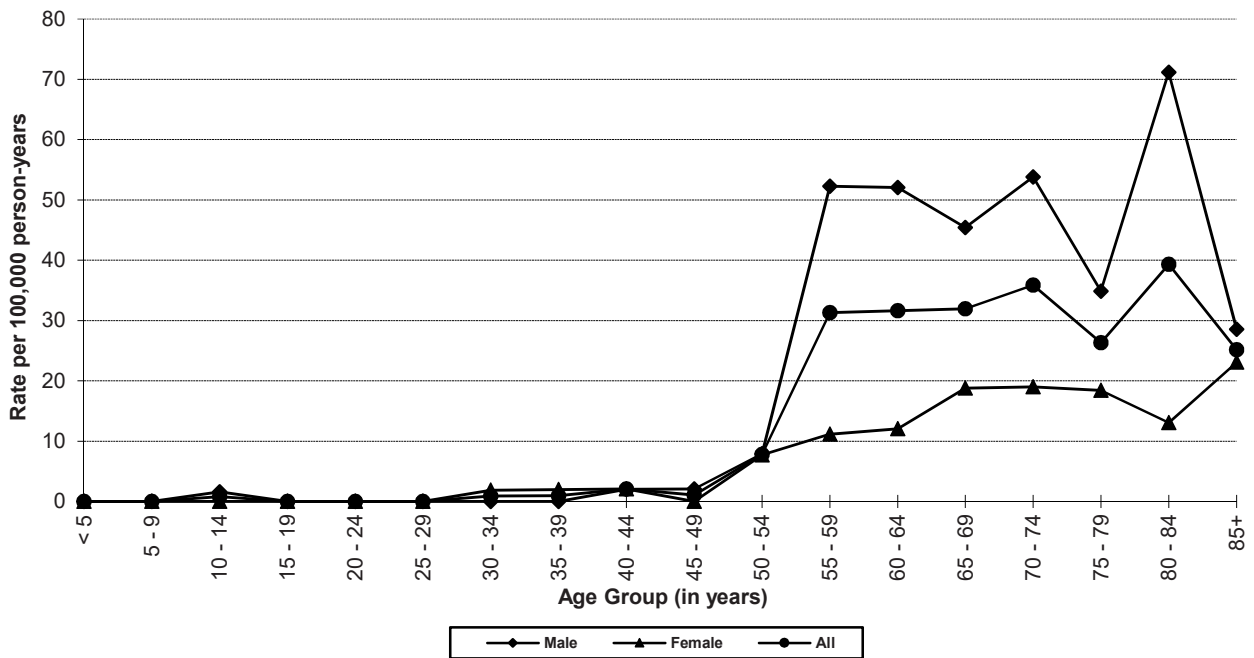
|                   |  |
|-------------------|--|
| <b>Age</b>        | The incidence rate of liver cancer increases with age.   |
| <b>Gender</b>     | Rates are usually higher among males than females.   |
| <b>Race</b>       | Incidence is higher among Asian/Pacific Islanders and blacks than the remainder of the population.   |
| <b>Diet</b>       | Aflatoxins, which are present in certain foods such as peanut butter, are classified as a known human carcinogen, causing liver cancer.  |
| <b>Occupation</b> | 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.   |
| <b>Other</b>      | 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

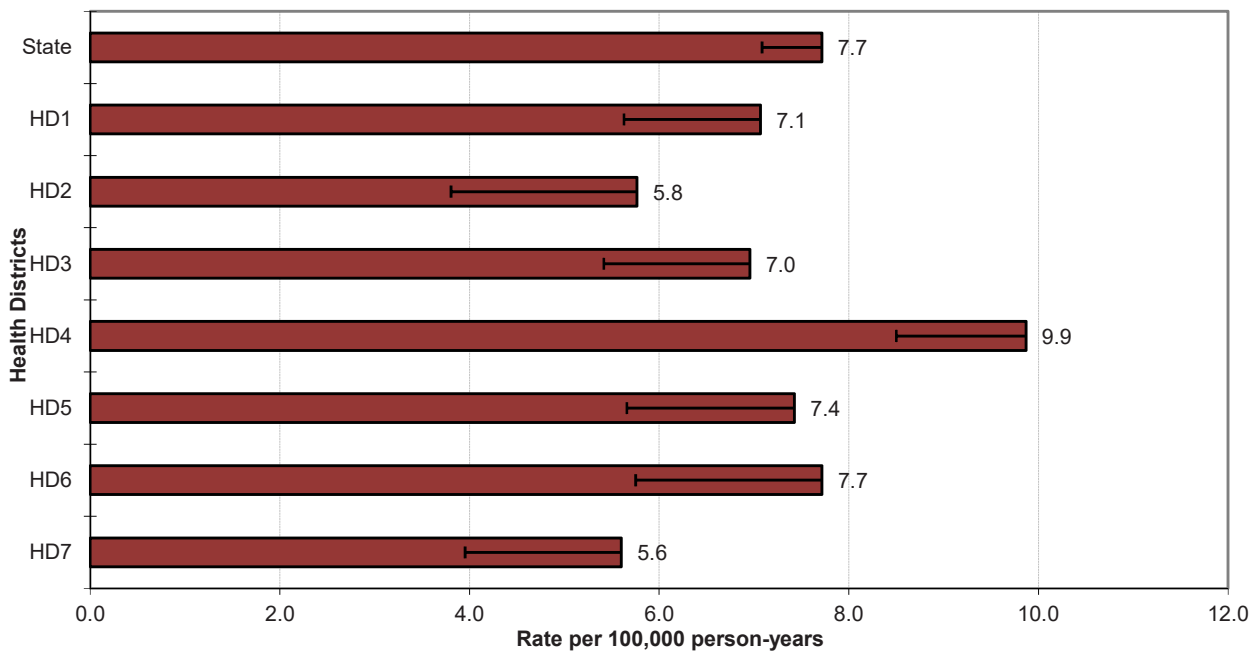
|  |          |
|--|----------|
| Mean age-adjusted incidence rate across health districts:        | 7.2      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 6.1- 8.3 |
| Median age-adjusted incidence rate of health districts:          | 7.1      |
| Range of age-adjusted incidence rate for health districts:       | 5.6- 9.9 |
| USCS rate (2014, all races):                                     | 7.6      |

There were few cases of liver and bile duct cancer among persons less than 55 years of age. Age-specific incidence rates generally increased with age, peaking in the age group 80-84 for males and 85+ for females. Health District 4 had statistically significantly more cases of liver and bile duct cancer 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

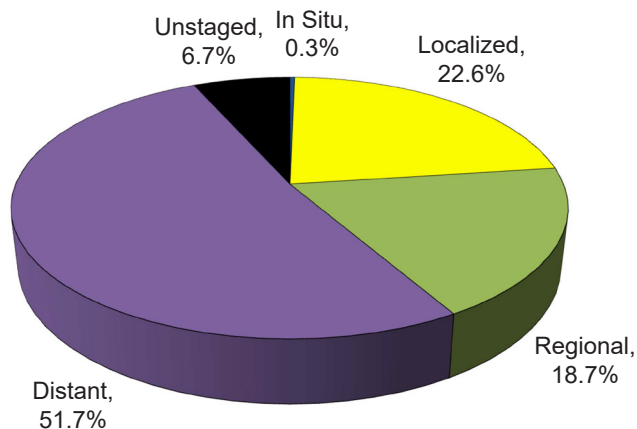
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 49.9  | 56.3 | 44.7   |
| # of new invasive cases                 | 939   | 498  | 441    |
| # of new in situ cases                  | 3     | 2    | 1      |
| # of deaths                             | 648   | 347  | 301    |

## Total Cases by County

|            |     |            |     |            |    |
|------------|-----|------------|-----|------------|----|
| Ada        | 233 | Cassia     | 8   | Lewis      | 2  |
| Adams      | 2   | Clark      | -   | Lincoln    | 3  |
| Bannock    | 29  | Clearwater | 10  | Madison    | 1  |
| Bear Lake  | -   | Custer     | 4   | Minidoka   | 7  |
| Benewah    | 14  | Elmore     | 13  | Nez Perce  | 38 |
| Bingham    | 14  | Franklin   | 6   | Oneida     | 2  |
| Blaine     | 11  | Fremont    | 4   | Owyhee     | 4  |
| Boise      | 9   | Gem        | 18  | Payette    | 12 |
| Bonner     | 40  | Gooding    | 11  | Power      | 4  |
| Bonneville | 39  | Idaho      | 14  | Shoshone   | 15 |
| Boundary   | 6   | Jefferson  | 11  | Teton      | 1  |
| Butte      | 3   | Jerome     | 16  | Twin Falls | 42 |
| Camas      | -   | Kootenai   | 117 | Valley     | 10 |
| Canyon     | 127 | Latah      | 19  | Washington | 10 |
| Caribou    | 3   | Lemhi      | 10  |            |    |

## Stage at Diagnosis - Lung and Bronchus



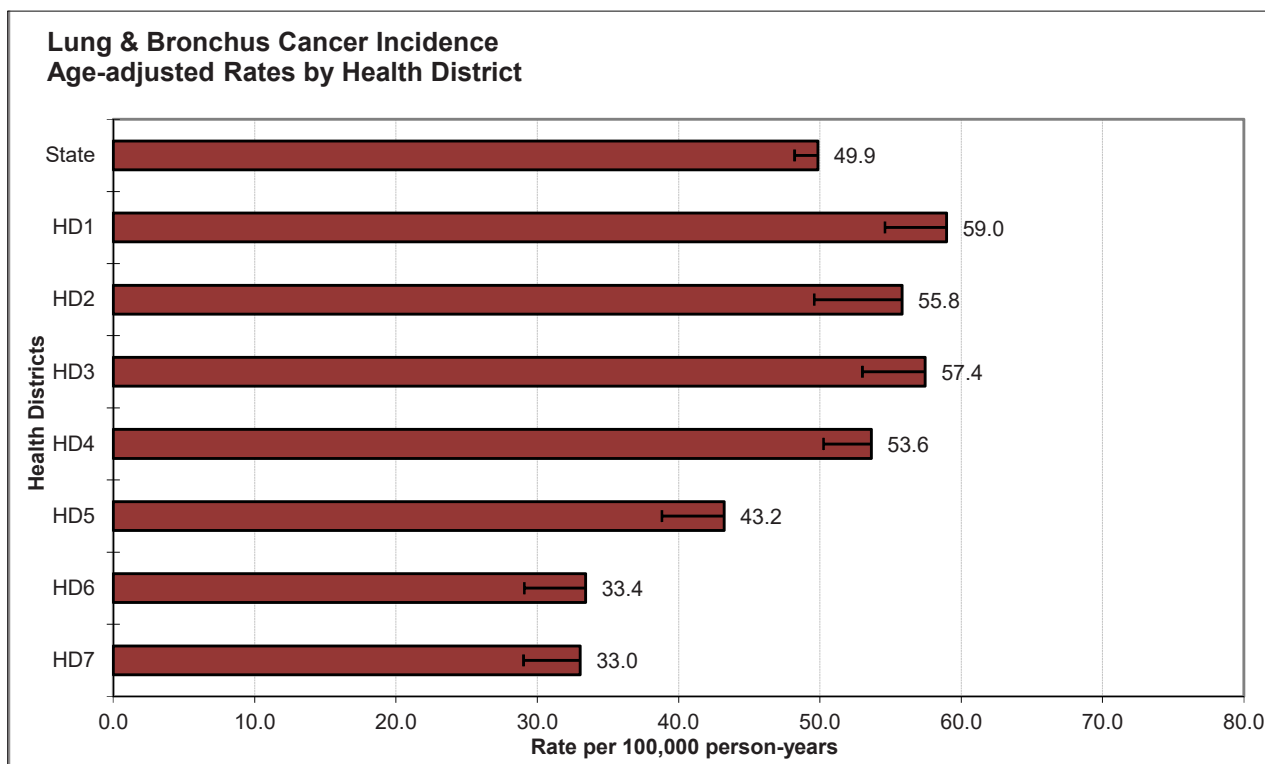
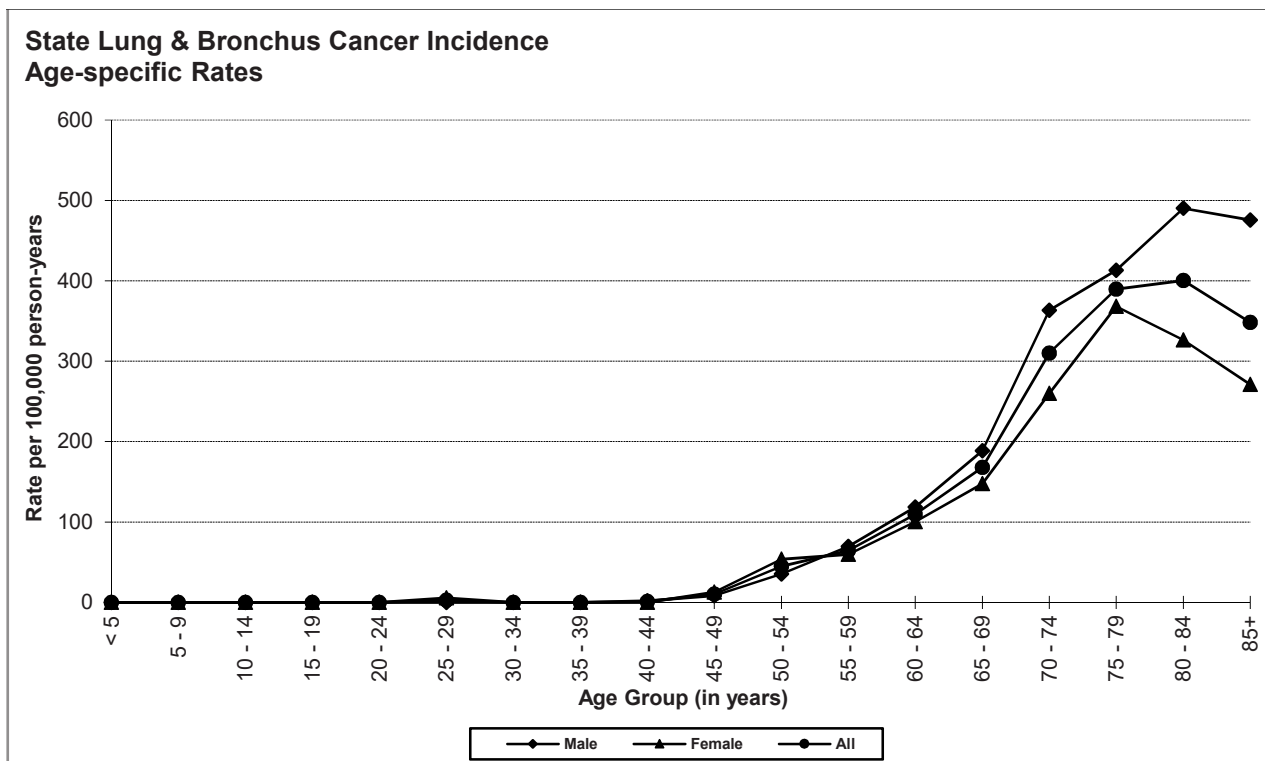
## Risk and Associated Factors

|                       |  |
|-----------------------|--|
| <b>Age</b>            | Lung cancer incidence rates increase with age.   |
| <b>Gender</b>         | The incidence is currently higher in males than in females, but the gap is narrowing due to increased smoking rates among women in recent decades.   |
| <b>Race &amp; SES</b> | Incidence is generally higher among blacks than other racial groups, and is also higher in lower income groups.  |
| <b>Diet</b>           | Diets low in consumption of fresh fruits and vegetables contribute to increased risk.  |
| <b>Occupation</b>     | 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.  |
| <b>Other</b>          | 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:        | 47.9       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 39.6- 56.3 |
| Median age-adjusted incidence rate of health districts:          | 53.6       |
| Range of age-adjusted incidence rate for health districts:       | 33.0- 59.0 |
| USCS rate (2014, all races):                                     | 56.2       |

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 59. The incidence rates increased with age, peaking in the age group 80-84 for males and 75-79 for females. Health Districts 1 and 3 had statistically significantly more cases of lung cancer than expected based upon rates for the remainder of Idaho, and Health Districts 6 and 7 had statistically significantly fewer.



# MELANOMA OF SKIN

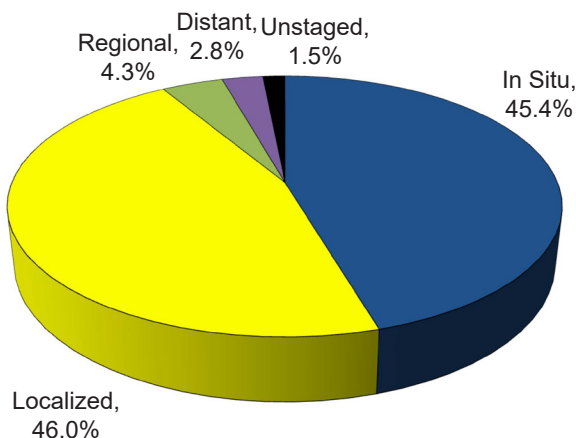
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 28.0  | 32.8 | 24.4   |
| # of new invasive cases                 | 500   | 282  | 218    |
| # of new in situ cases                  | 416   | 250  | 166    |
| # of deaths                             | 69    | 45   | 24     |

## Total Cases by County

|            |     |            |     |            |    |
|------------|-----|------------|-----|------------|----|
| Ada        | 303 | Cassia     | 10  | Lewis      | 2  |
| Adams      | 3   | Clark      | 1   | Lincoln    | 2  |
| Bannock    | 42  | Clearwater | 6   | Madison    | 10 |
| Bear Lake  | 1   | Custer     | 2   | Minidoka   | 11 |
| Benewah    | 6   | Elmore     | 8   | Nez Perce  | 21 |
| Bingham    | 16  | Franklin   | 3   | Oneida     | 4  |
| Blaine     | 19  | Fremont    | 9   | Owyhee     | 3  |
| Boise      | 2   | Gem        | 10  | Payette    | 7  |
| Bonner     | 31  | Gooding    | 9   | Power      | 3  |
| Bonneville | 59  | Idaho      | 17  | Shoshone   | 2  |
| Boundary   | 4   | Jefferson  | 19  | Teton      | 9  |
| Butte      | 1   | Jerome     | 13  | Twin Falls | 21 |
| Camas      | -   | Kootenai   | 100 | Valley     | 10 |
| Canyon     | 76  | Latah      | 21  | Washington | 4  |
| Caribou    | 5   | Lemhi      | 11  |            |    |

## Stage at Diagnosis - Melanoma of Skin



## Risk and Associated Factors

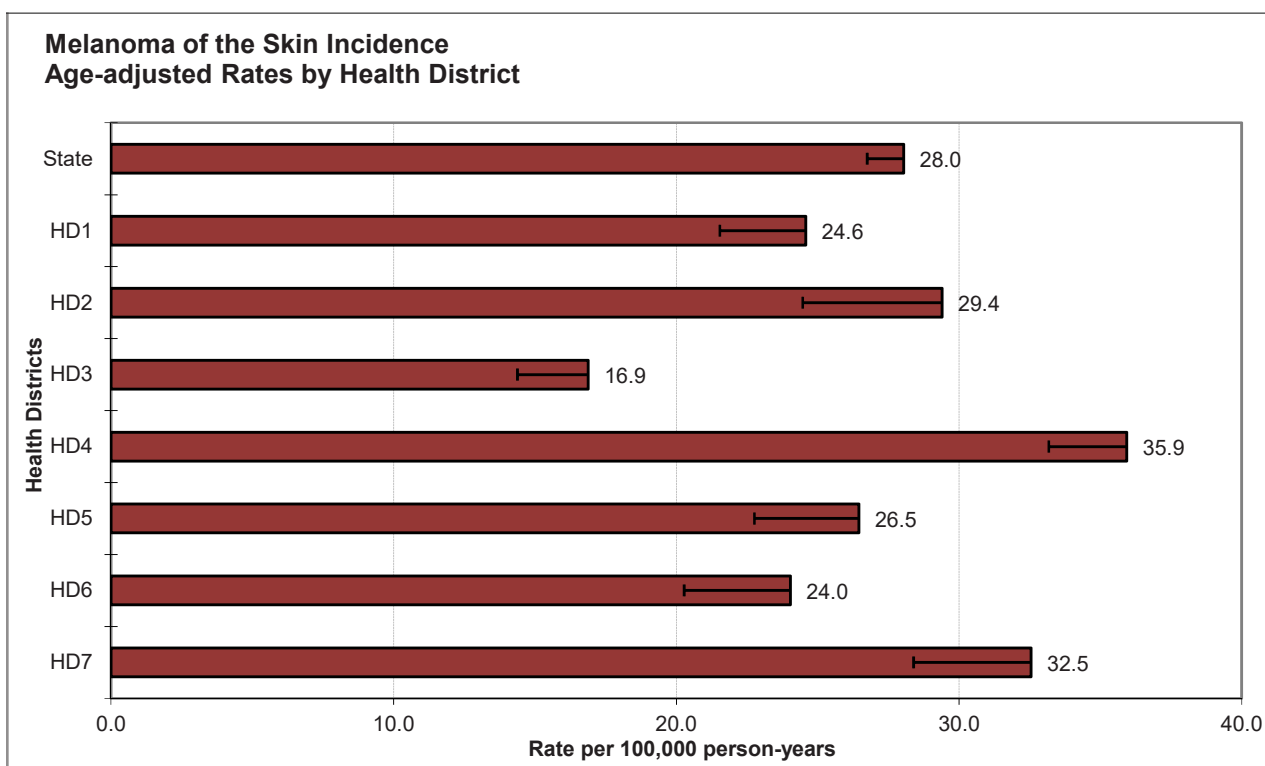
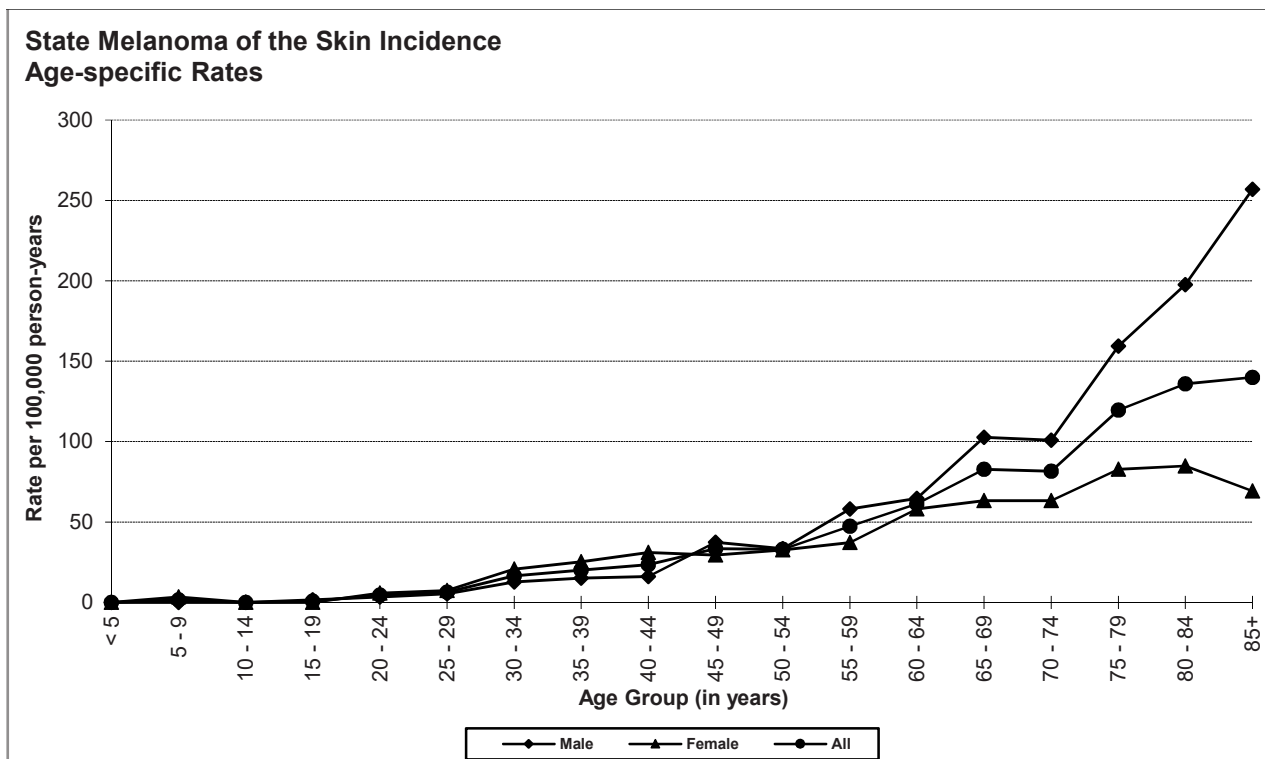
|                       |   |
|-----------------------|---|
| <b>Age</b>            | Melanoma is extremely uncommon before puberty. Rates increase with age.   |
| <b>Gender</b>         | Incidence rates are higher among females than males in younger age groups, and higher in males than females in older age groups.  |
| <b>Race &amp; SES</b> | The incidence rate is highest in whites and lowest in blacks. Incidence rates of melanoma of the skin are higher in higher income groups (indoor workers).  |
| <b>Other</b>          | Ultra-violet light exposure, especially blistering sunburns during childhood and intermittent exposure of untanned skin to intense sunlight, 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. |

## Special Notes

|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 27.1       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 22.5- 31.7 |
| Median age-adjusted incidence rate of health districts:          | 26.5       |
| Range of age-adjusted incidence rate for health districts:       | 16.9- 35.9 |
| USCS rate (2014, all races):                                     | 21.4       |

There were few cases of melanoma of the skin among persons less than 25 years of age. The age-specific incidence rates were higher among males after age 54. Health District 4 had statistically significantly more cases of melanoma than expected based upon rates for the remainder of Idaho, and Health District 3 had statistically significantly fewer.





# MYELOMA

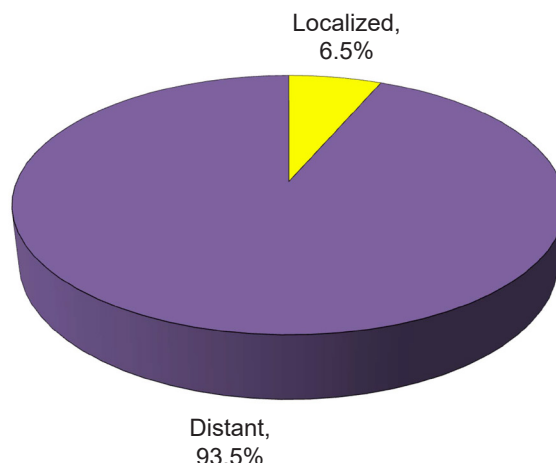
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 6.6   | 8.0  | 5.2    |
| # of new invasive cases                 | 124   | 73   | 51     |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 58    | 34   | 24     |

## Total Cases by County

|            |    |            |    |            |   |
|------------|----|------------|----|------------|---|
| Ada        | 33 | Cassia     | 3  | Lewis      | 1 |
| Adams      | 1  | Clark      | -  | Lincoln    | - |
| Bannock    | 6  | Clearwater | 2  | Madison    | - |
| Bear Lake  | 1  | Custer     | -  | Minidoka   | - |
| Benewah    | 1  | Elmore     | 3  | Nez Perce  | 4 |
| Bingham    | 3  | Franklin   | -  | Oneida     | - |
| Blaine     | 1  | Fremont    | 1  | Owyhee     | 1 |
| Boise      | -  | Gem        | 4  | Payette    | 5 |
| Bonner     | 3  | Gooding    | 1  | Power      | - |
| Bonneville | 9  | Idaho      | 3  | Shoshone   | 1 |
| Boundary   | 1  | Jefferson  | 1  | Teton      | - |
| Butte      | -  | Jerome     | 2  | Twin Falls | 4 |
| Camas      | -  | Kootenai   | 10 | Valley     | 1 |
| Canyon     | 9  | Latah      | 3  | Washington | 2 |
| Caribou    | 1  | Lemhi      | 3  |            |   |

## Stage at Diagnosis - Myeloma



## Risk and Associated Factors

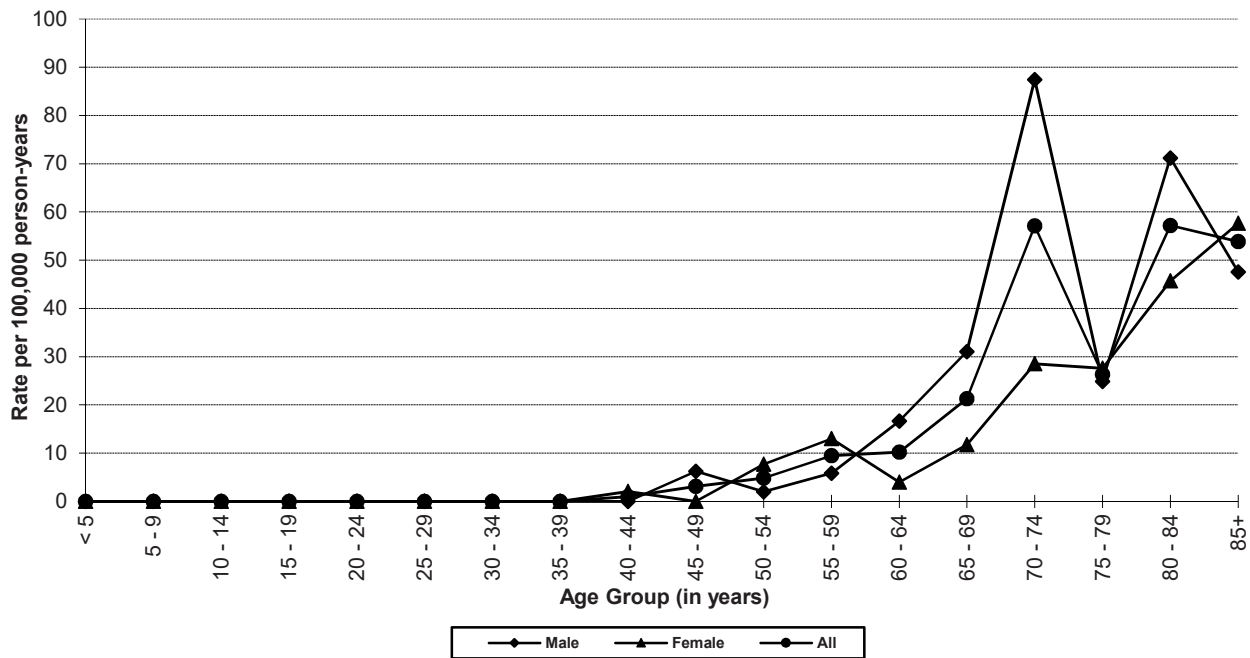
|                 |  |
|-----------------|--|
| <b>Age</b>      | Multiple myeloma is an age-dependent cancer; incidence rates increase with age and it rarely occurs before age 40.   |
| <b>Gender</b>   | Rates for males are somewhat higher than for females.  |
| <b>Race</b>     | Blacks have higher incidence rates than whites.  |
| <b>Genetics</b> | 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.  |
| <b>Other</b>    | 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

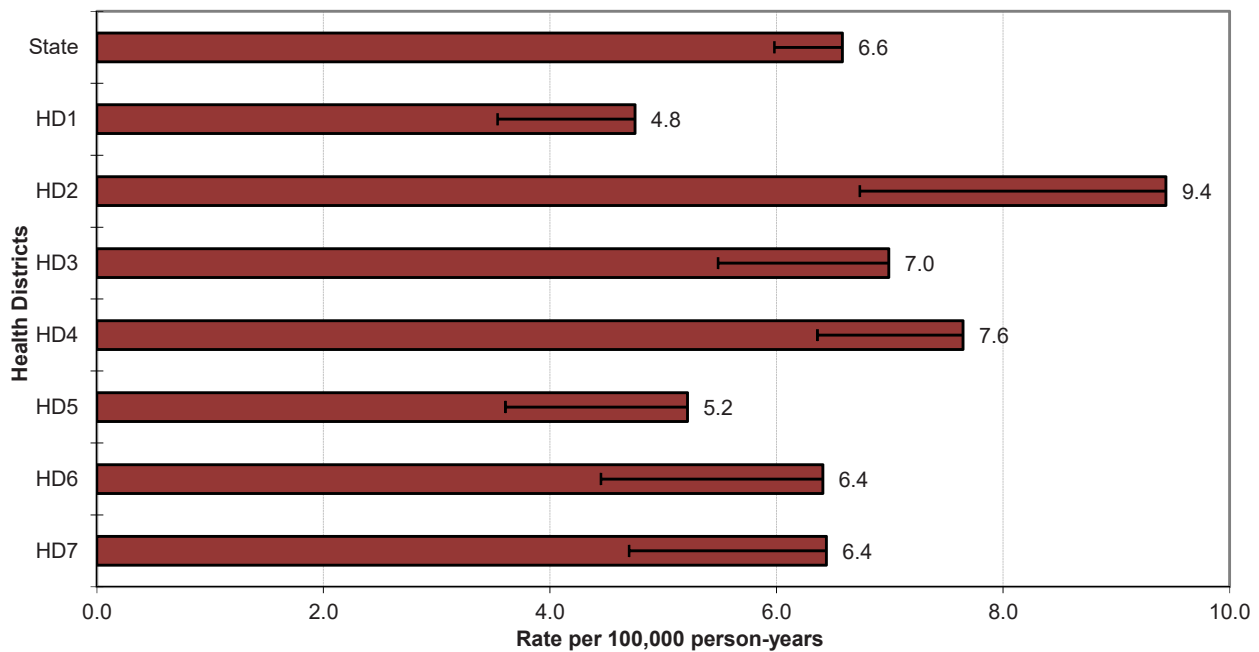
|  |          |
|--|----------|
| Mean age-adjusted incidence rate across health districts:        | 6.7      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 5.5- 7.9 |
| Median age-adjusted incidence rate of health districts:          | 6.4      |
| Range of age-adjusted incidence rate for health districts:       | 4.8- 9.4 |
| USCS rate (2014, all races):                                     | 6.2      |

There were no cases of myeloma among persons less than 40 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.

### State Myeloma Incidence Age-specific Rates



### Myeloma Incidence Age-adjusted Rates by Health District



# NON-HODGKIN LYMPHOMA

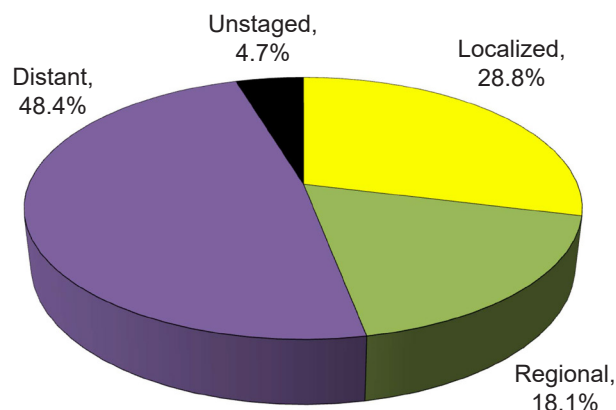
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 19.7  | 22.9 | 16.9   |
| # of new invasive cases                 | 364   | 203  | 161    |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 100   | 54   | 46     |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 88 | Cassia     | 10 | Lewis      | 2  |
| Adams      | 4  | Clark      | -  | Lincoln    | -  |
| Bannock    | 15 | Clearwater | 6  | Madison    | 6  |
| Bear Lake  | -  | Custer     | 1  | Minidoka   | 3  |
| Benewah    | 5  | Elmore     | 3  | Nez Perce  | 8  |
| Bingham    | 6  | Franklin   | 3  | Oneida     | 2  |
| Blaine     | 6  | Fremont    | 1  | Owyhee     | 2  |
| Boise      | 2  | Gem        | 3  | Payette    | 9  |
| Bonner     | 12 | Gooding    | 3  | Power      | 4  |
| Bonneville | 18 | Idaho      | 2  | Shoshone   | 3  |
| Boundary   | 3  | Jefferson  | 4  | Teton      | 2  |
| Butte      | 1  | Jerome     | 5  | Twin Falls | 18 |
| Camas      | -  | Kootenai   | 30 | Valley     | 6  |
| Canyon     | 42 | Latah      | 15 | Washington | 5  |
| Caribou    | 1  | Lemhi      | 5  |            |    |

## Stage at Diagnosis - Non-Hodgkin Lymphoma



## Risk and Associated Factors

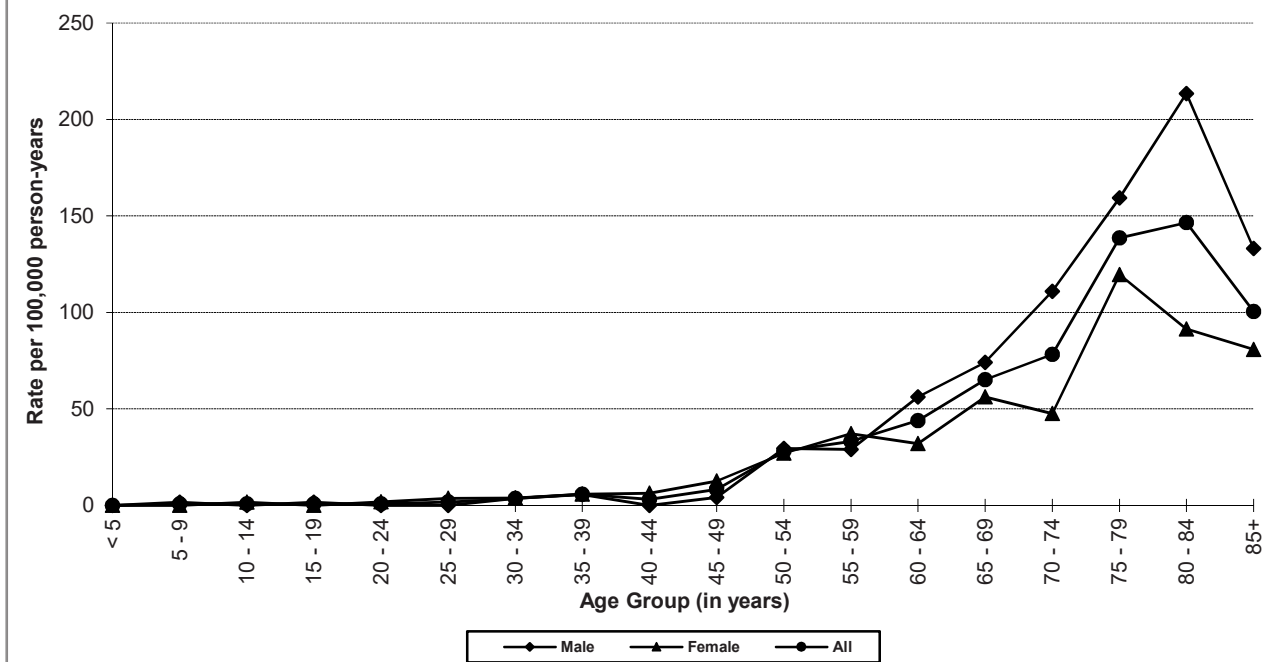
|                       |  |
|-----------------------|--|
| <b>Age</b>            | Rates increase with age, reaching the highest levels in the eighth and ninth decades of life.  |
| <b>Gender</b>         | Males have higher rates than females.  |
| <b>Race &amp; SES</b> | Generally in the United States, incidence rates are generally higher for whites than blacks. Rates are higher in upper income groups.  |
| <b>Occupation</b>     | Exposure to ethylene oxide, such as through commercial production or use as a sterilant in the manufacture of medical and pharmaceutical products or production of food spices, has been identified as a risk factor.  |
| <b>Other</b>          | 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

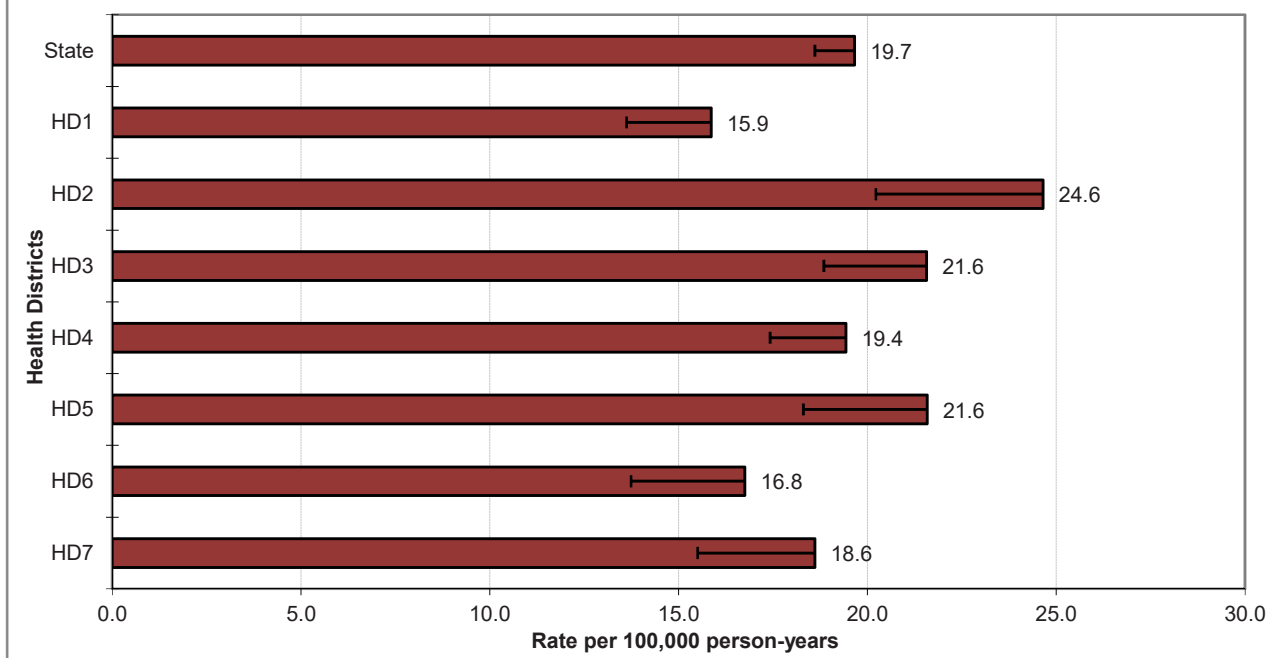
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 19.8       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 17.5- 22.0 |
| Median age-adjusted incidence rate of health districts:          | 19.4       |
| Range of age-adjusted incidence rate for health districts:       | 15.9- 24.6 |
| USCS rate (2014, all races):                                     | 18.3       |

The age-specific incidence rates of non-Hodgkin lymphoma increased with age, peaking in the age group 80-84 for males and 75-79 for females. No health district had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.

### State Non-Hodgkin Lymphoma Incidence Age-specific Rates



### Non-Hodgkin Lymphoma Incidence Age-adjusted Rates by Health District



# ORAL CAVITY AND PHARYNX

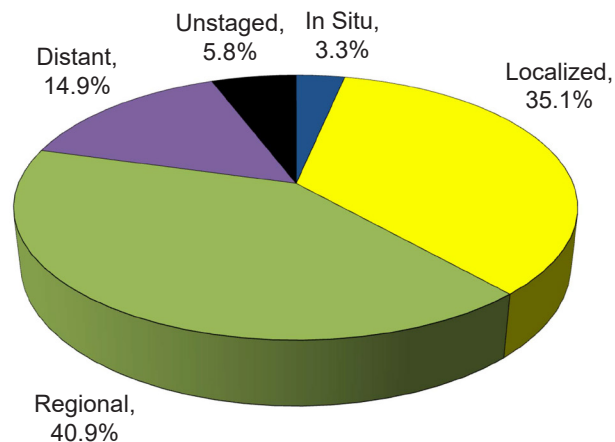
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 12.5  | 17.8 | 7.7    |
| # of new invasive cases                 | 234   | 163  | 71     |
| # of new in situ cases                  | 8     | 4    | 4      |
| # of deaths                             | 49    | 33   | 16     |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 59 | Cassia     | 3  | Lewis      | -  |
| Adams      | 2  | Clark      | -  | Lincoln    | 1  |
| Bannock    | 7  | Clearwater | 2  | Madison    | 3  |
| Bear Lake  | 1  | Custer     | 3  | Minidoka   | 3  |
| Benewah    | 2  | Elmore     | 3  | Nez Perce  | 9  |
| Bingham    | 6  | Franklin   | -  | Oneida     | -  |
| Blaine     | 1  | Fremont    | 3  | Owyhee     | -  |
| Boise      | 1  | Gem        | 1  | Payette    | 9  |
| Bonner     | 14 | Gooding    | 4  | Power      | -  |
| Bonneville | 21 | Idaho      | 2  | Shoshone   | 1  |
| Boundary   | -  | Jefferson  | 3  | Teton      | 2  |
| Butte      | -  | Jerome     | 2  | Twin Falls | 14 |
| Camas      | 1  | Kootenai   | 20 | Valley     | 2  |
| Canyon     | 28 | Latah      | 5  | Washington | 1  |
| Caribou    | -  | Lemhi      | 3  |            |    |

## Stage at Diagnosis - Oral Cavity and Pharynx



## Risk and Associated Factors

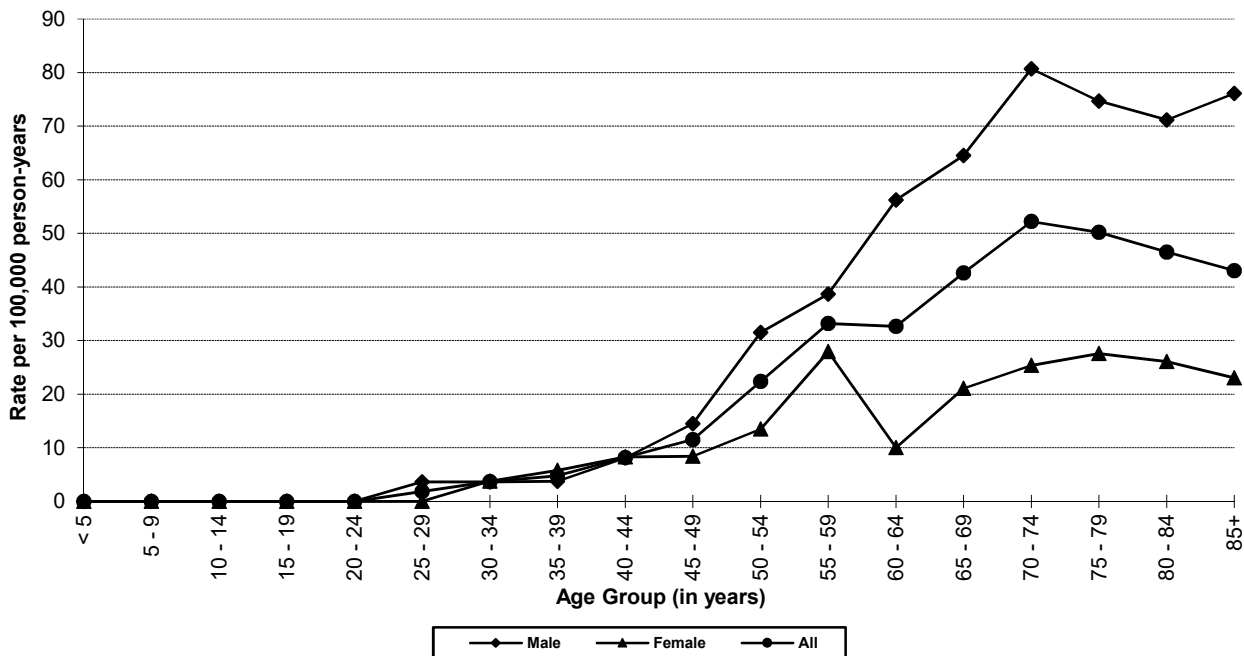
|                       |   |
|-----------------------|---|
| <b>Age</b>            | Most cases occur in people over age 60.   |
| <b>Gender</b>         | Males have higher incidence rates than females, 2-6 times higher in most parts of the world.  |
| <b>Race &amp; SES</b> | Rates are higher for blacks than for whites. Rates are also higher among lower income groups.   |
| <b>Diet</b>           | Diets low in fresh fruit and vegetable consumption are associated with increased risk.  |
| <b>Other</b>          | 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. Patients with late stage oropharyngeal cancer have better outcomes if their tumors were linked to HPV versus tobacco and alcohol. |

## Special Notes

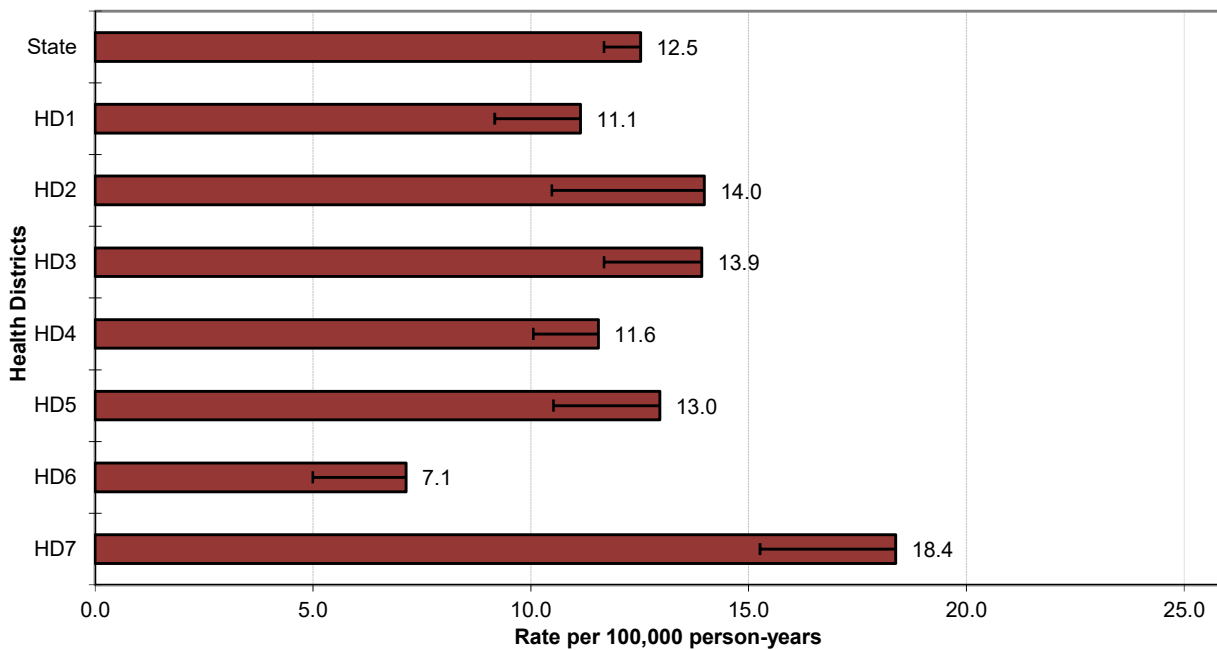
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 12.7       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 10.2- 15.3 |
| Median age-adjusted incidence rate of health districts:          | 13.0       |
| Range of age-adjusted incidence rate for health districts:       | 7.1- 18.4  |
| USCS rate (2014, all races):                                     | 11.4       |

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 49, peaking in the age group 70-74 for males and 75-79 for females. Health District 7 had statistically significantly more cases than expected based upon rates for the remainder of Idaho, and Health District 6 had statistically significantly fewer.

**State Oral Cavity & Pharyngeal Cancer Incidence  
Age-specific Rates**



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



# OVARY

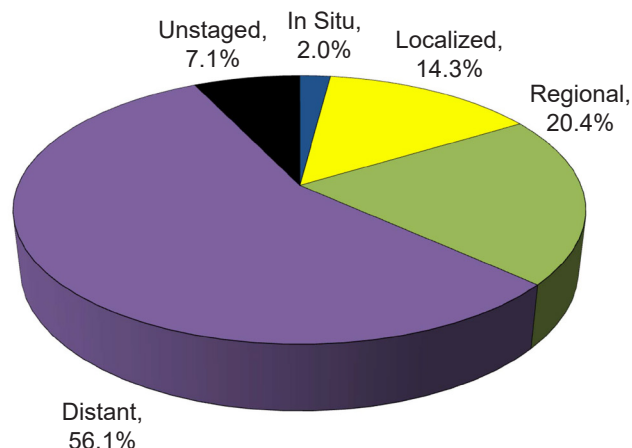
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | -     | -    | 10.3   |
| # of new invasive cases                 | -     | -    | 96     |
| # of new in situ cases                  | -     | -    | 2      |
| # of deaths                             | -     | -    | 77     |

## Total Cases by County

|            |    |            |    |            |   |
|------------|----|------------|----|------------|---|
| Ada        | 26 | Cassia     | 1  | Lewis      | 1 |
| Adams      | -  | Clark      | -  | Lincoln    | 1 |
| Bannock    | 6  | Clearwater | 3  | Madison    | 1 |
| Bear Lake  | 1  | Custer     | -  | Minidoka   | 2 |
| Benewah    | -  | Elmore     | 1  | Nez Perce  | 2 |
| Bingham    | 3  | Franklin   | -  | Oneida     | - |
| Blaine     | 1  | Fremont    | 2  | Owyhee     | - |
| Boise      | -  | Gem        | 1  | Payette    | 3 |
| Bonner     | 1  | Gooding    | 1  | Power      | 1 |
| Bonneville | 6  | Idaho      | 2  | Shoshone   | 1 |
| Boundary   | -  | Jefferson  | -  | Teton      | - |
| Butte      | -  | Jerome     | 1  | Twin Falls | 4 |
| Camas      | -  | Kootenai   | 10 | Valley     | - |
| Canyon     | 10 | Latah      | 1  | Washington | 3 |
| Caribou    | -  | Lemhi      | 2  |            |   |

## Stage at Diagnosis - Ovary



## Risk and Associated Factors

|                       |  |
|-----------------------|--|
| <b>Age</b>            | The rate of ovarian cancer increases with age, and it is primarily a disease of older women.   |
| <b>Race &amp; SES</b> | Incidence rates are slightly higher among white females than blacks. Rates are higher among upper income groups.   |
| <b>Genetics</b>       | 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.                              |
| <b>Hormonal</b>       | Risk of ovarian cancer is significantly reduced via suppression of ovulation through pregnancy or oral contraceptive use. The highest risk is in post-menopausal women. Ovarian cancer is also associated with a personal history of breast, endometrial, and colon cancers. |
| <b>Diet</b>           | Dietary animal fat may increase the risk.  |
| <b>Other</b>          | High dose (>100 rads) ionizing radiation roughly doubles the risk of ovarian cancer.   |

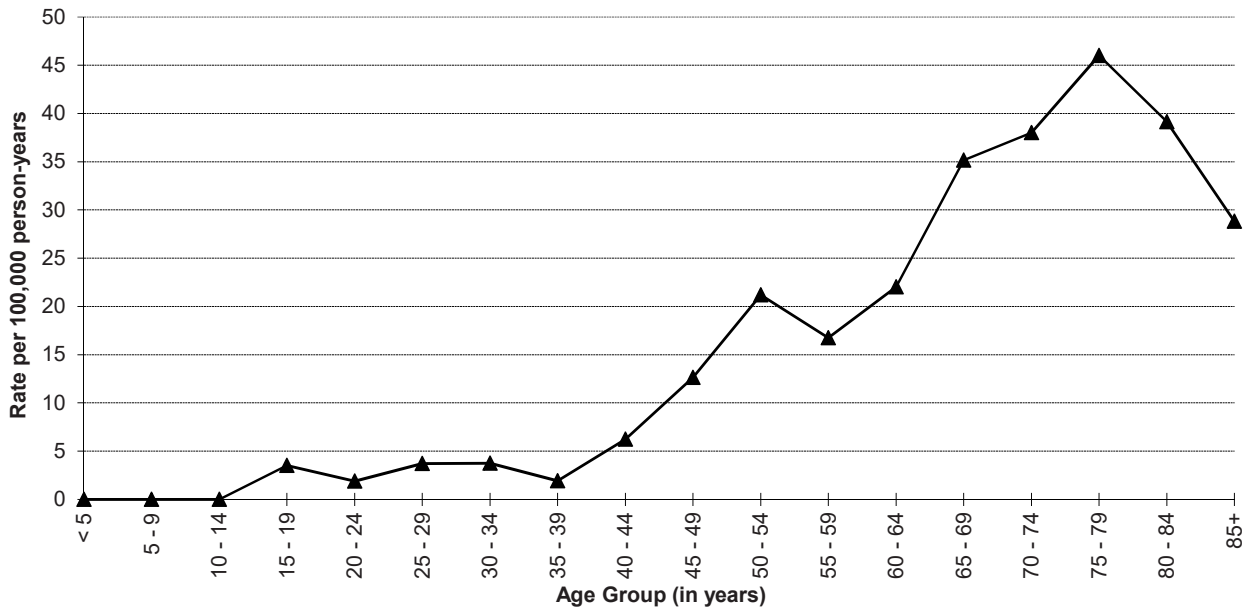
## Special Notes

|  |           |
|--|-----------|
| Mean age-adjusted incidence rate across health districts:        | 10.4      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 9.4- 11.4 |
| Median age-adjusted incidence rate of health districts:          | 10.3      |
| Range of age-adjusted incidence rate for health districts:       | 8.2- 12.0 |
| USCS rate (2014, all races):                                     | 10.7      |

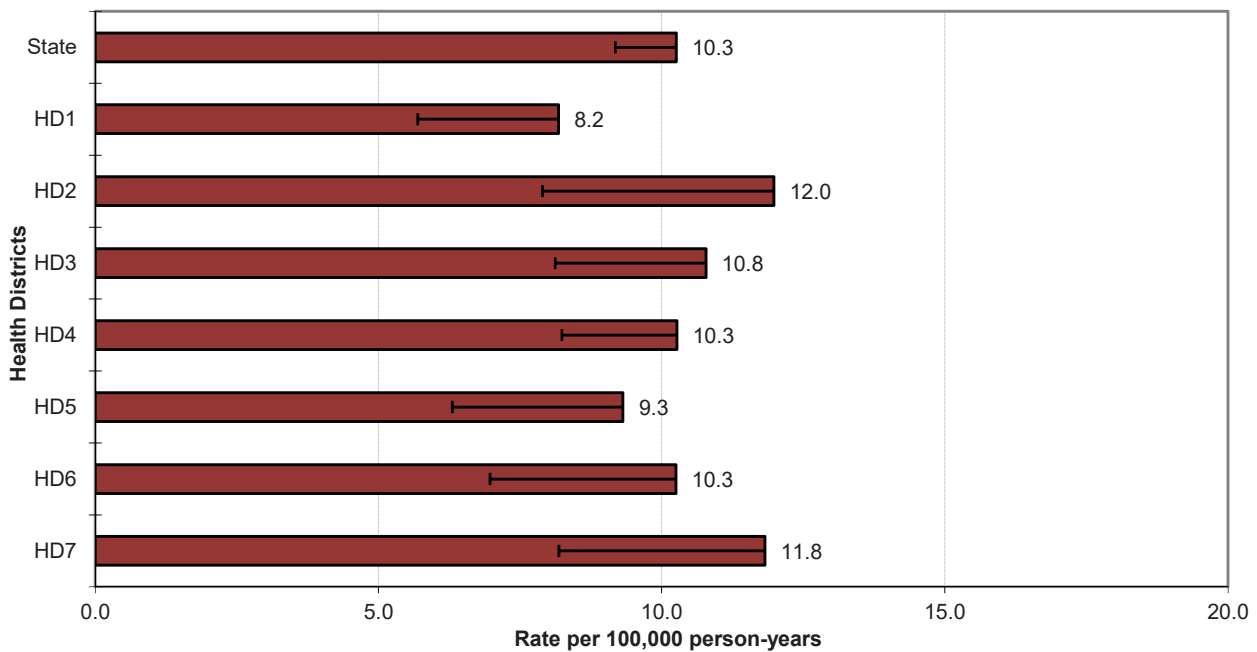
There were few cases of ovarian cancer among females aged less than 35 years. The age-specific incidence rates of ovarian cancer generally increased with age starting in the 40-44 age group. The highest age-specific rate was for women aged 75-79. No health district had statistically significantly more, or fewer, 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

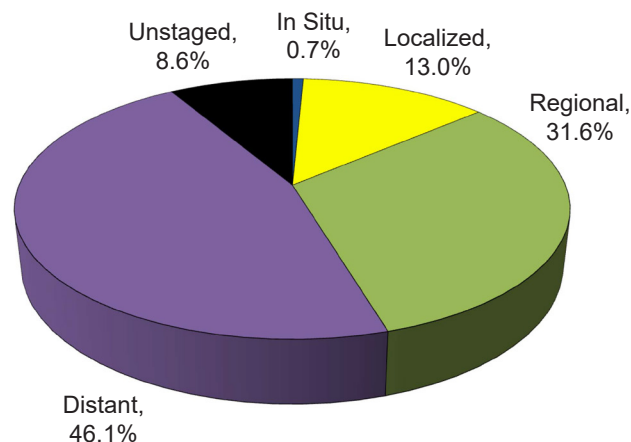
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 14.2  | 19.0 | 9.9    |
| # of new invasive cases                 | 267   | 167  | 100    |
| # of new in situ cases                  | 2     | 2    | 0      |
| # of deaths                             | 213   | 130  | 83     |

## Total Cases by County

|            |    |            |    |            |    |
|------------|----|------------|----|------------|----|
| Ada        | 60 | Cassia     | 3  | Lewis      | 2  |
| Adams      | 1  | Clark      | -  | Lincoln    | 1  |
| Bannock    | 11 | Clearwater | 1  | Madison    | 2  |
| Bear Lake  | 1  | Custer     | 2  | Minidoka   | 2  |
| Benewah    | 2  | Elmore     | 3  | Nez Perce  | 10 |
| Bingham    | 11 | Franklin   | 2  | Oneida     | 1  |
| Blaine     | 3  | Fremont    | 1  | Owyhee     | 3  |
| Boise      | 2  | Gem        | 4  | Payette    | 3  |
| Bonner     | 10 | Gooding    | 1  | Power      | 2  |
| Bonneville | 18 | Idaho      | 2  | Shoshone   | 3  |
| Boundary   | 1  | Jefferson  | 1  | Teton      | -  |
| Butte      | -  | Jerome     | 4  | Twin Falls | 12 |
| Camas      | -  | Kootenai   | 34 | Valley     | 3  |
| Canyon     | 34 | Latah      | 3  | Washington | 5  |
| Caribou    | 2  | Lemhi      | 3  |            |    |

## Stage at Diagnosis - Pancreas



## Risk and Associated Factors

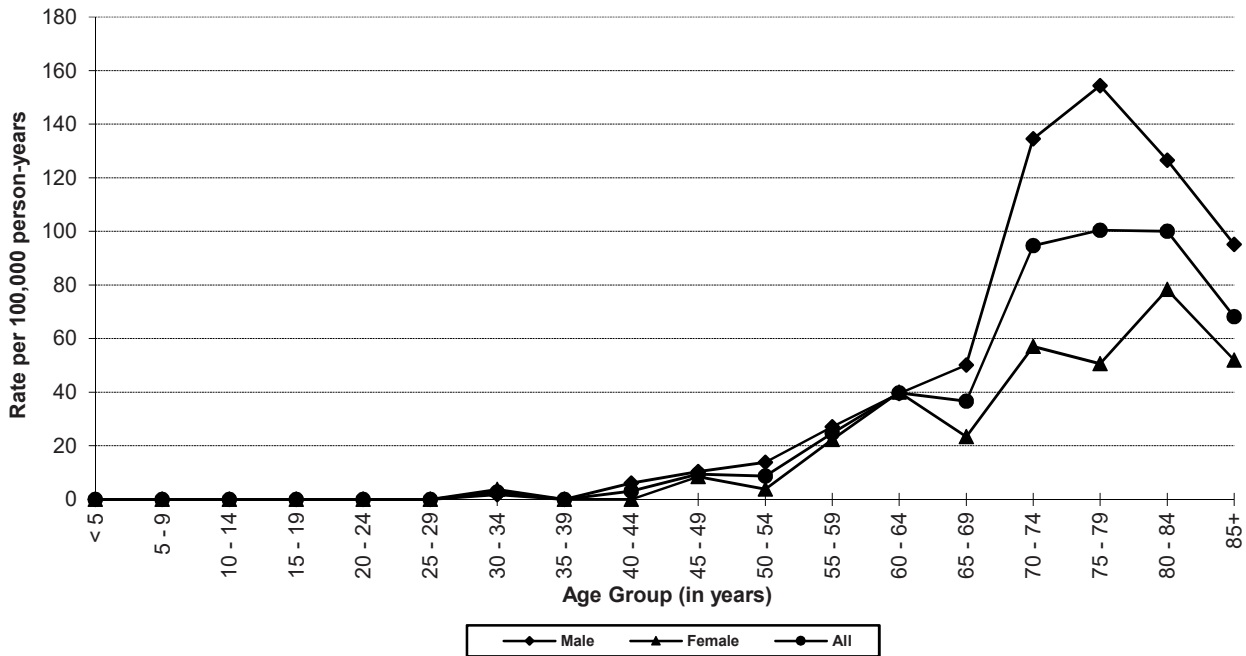
|                   |  |
|-------------------|--|
| <b>Age</b>        | Pancreatic cancer increases with age and is rare in persons younger than 40 years old.   |
| <b>Gender</b>     | Incidence rates of pancreatic cancer are about 50% higher in males than females.   |
| <b>Race</b>       | In the United States, the incidence is higher in blacks.   |
| <b>Diet</b>       | Investigators have generally found increased risks associated with animal protein and fat consumption, and decreased risks associated with vegetables and fruit intake. The normal range of body mass index ( $\geq 18$ - $< 25$ kg/m <sup>2</sup> ) has been associated with decreased risk of pancreatic cancer. |
| <b>Occupation</b> | 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.  |
| <b>Other</b>      | 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

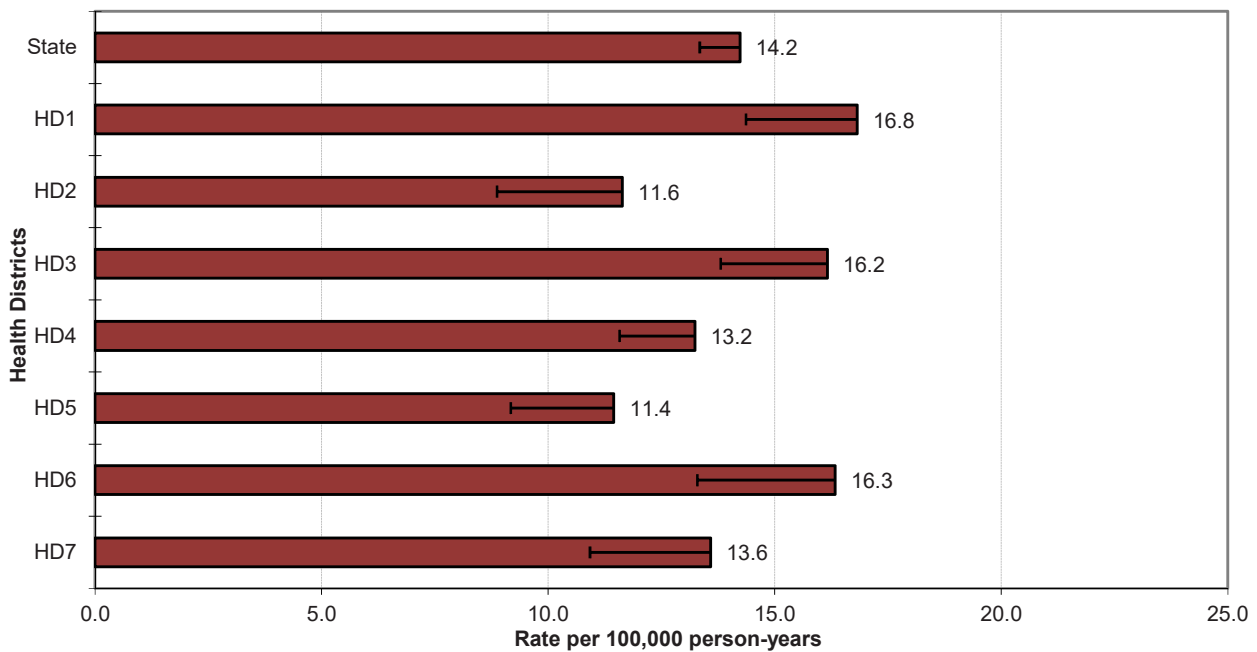
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 14.2       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 12.5- 15.9 |
| Median age-adjusted incidence rate of health districts:          | 13.6       |
| Range of age-adjusted incidence rate for health districts:       | 11.4- 16.8 |
| USCS rate (2014, all races):                                     | 11.9       |

There were few cases of pancreatic cancer among persons aged less than 45 years. The age-specific incidence rates of pancreatic cancer generally increased after age 54, peaking in the age group 75-79 for males and 80-84 for females. No health district had statistically significantly more, or fewer, 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

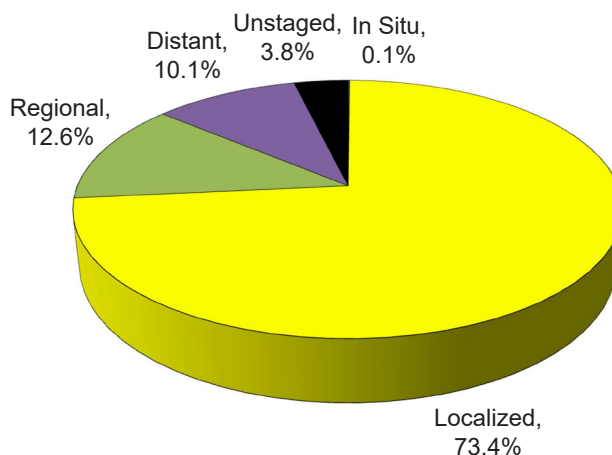
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | -     | 98.7 | -      |
| # of new invasive cases                 | -     | 949  | -      |
| # of new in situ cases                  | -     | 1    | -      |
| # of deaths                             | -     | 194  | -      |

## Total Cases by County

|            |     |            |     |            |    |
|------------|-----|------------|-----|------------|----|
| Ada        | 233 | Cassia     | 9   | Lewis      | 2  |
| Adams      | -   | Clark      | 1   | Lincoln    | 3  |
| Bannock    | 34  | Clearwater | 8   | Madison    | 12 |
| Bear Lake  | 2   | Custer     | 3   | Minidoka   | 8  |
| Benewah    | 5   | Elmore     | 8   | Nez Perce  | 26 |
| Bingham    | 19  | Franklin   | 6   | Oneida     | 6  |
| Blaine     | 17  | Fremont    | 4   | Owyhee     | 5  |
| Boise      | 5   | Gem        | 10  | Payette    | 11 |
| Bonner     | 42  | Gooding    | 14  | Power      | 3  |
| Bonneville | 65  | Idaho      | 13  | Shoshone   | 12 |
| Boundary   | 7   | Jefferson  | 17  | Teton      | 5  |
| Butte      | 1   | Jerome     | 9   | Twin Falls | 52 |
| Camas      | 1   | Kootenai   | 115 | Valley     | 11 |
| Canyon     | 97  | Latah      | 22  | Washington | 13 |
| Caribou    | 5   | Lemhi      | 9   |            |    |

## Stage at Diagnosis - Prostate



## Risk and Associated Factors

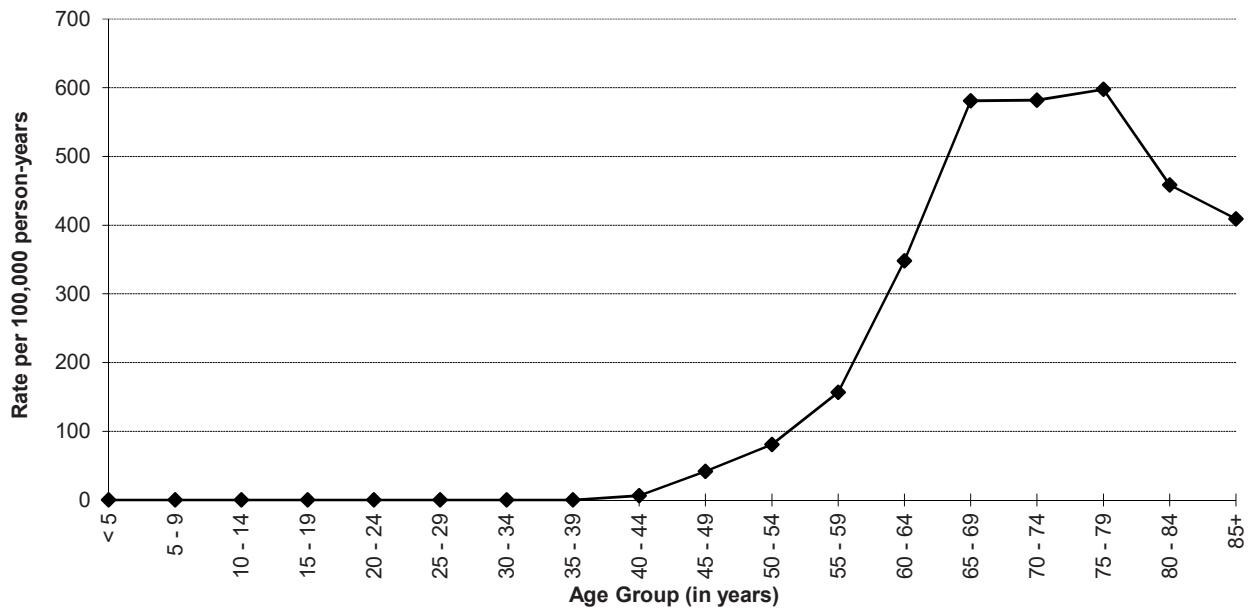
|                   |  |
|-------------------|--|
| <b>Age</b>        | Prostate cancer is rarely diagnosed before age 50, and it is primarily a disease of older men.   |
| <b>Race</b>       | Black males have substantially higher incidence and mortality rates than white males.  |
| <b>Genetics</b>   | A family history of prostate cancer is associated with increased risk.   |
| <b>Diet</b>       | Dietary fat has been implicated in several international, regional, and case-control studies.  |
| <b>Other</b>      | 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.   |
| <b>Occupation</b> | 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

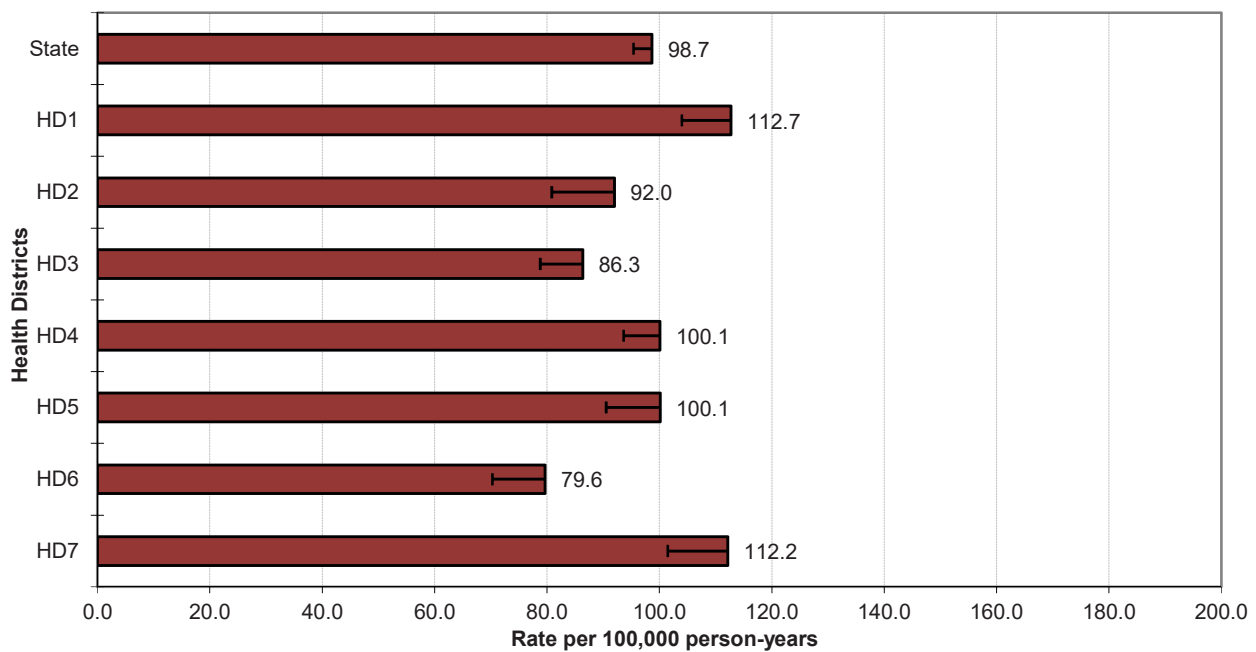
|  |            |
|--|------------|
| Mean age-adjusted incidence rate across health districts:        | 97.6       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 88.3-106.8 |
| Median age-adjusted incidence rate of health districts:          | 100.1      |
| Range of age-adjusted incidence rate for health districts:       | 79.6-112.7 |
| USCS rate (2014, all races):                                     | 93.9       |

There were few cases of prostate cancer among men aged less than 50 years. The age-specific incidence rates of prostate cancer increased with age, peaking in the 75-79 age group. No health district had statistically significantly more, or 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

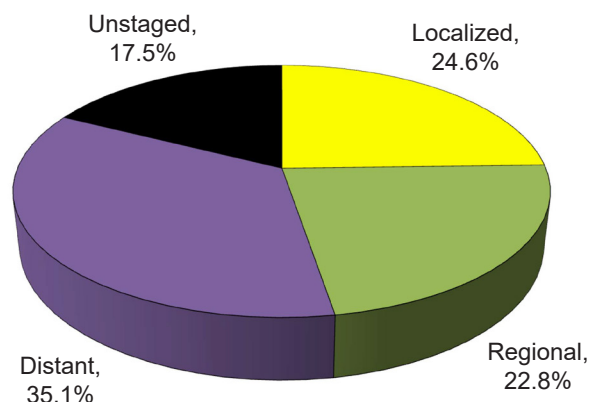
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 6.0   | 8.5  | 4.0    |
| # of new invasive cases                 | 114   | 74   | 40     |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 45    | 31   | 14     |

## Total Cases by County

|            |    |            |    |            |   |
|------------|----|------------|----|------------|---|
| Ada        | 27 | Cassia     | 2  | Lewis      | - |
| Adams      | -  | Clark      | -  | Lincoln    | 1 |
| Bannock    | 1  | Clearwater | 2  | Madison    | 1 |
| Bear Lake  | -  | Custer     | -  | Minidoka   | 1 |
| Benewah    | -  | Elmore     | -  | Nez Perce  | 4 |
| Bingham    | 2  | Franklin   | -  | Oneida     | 1 |
| Blaine     | -  | Fremont    | 1  | Owyhee     | 1 |
| Boise      | -  | Gem        | 5  | Payette    | 5 |
| Bonner     | 5  | Gooding    | -  | Power      | 1 |
| Bonneville | 4  | Idaho      | 1  | Shoshone   | 3 |
| Boundary   | 1  | Jefferson  | 2  | Teton      | - |
| Butte      | 1  | Jerome     | 1  | Twin Falls | 7 |
| Camas      | -  | Kootenai   | 18 | Valley     | - |
| Canyon     | 15 | Latah      | 1  | Washington | - |
| Caribou    | -  | Lemhi      | -  |            |   |

## Stage at Diagnosis - Stomach



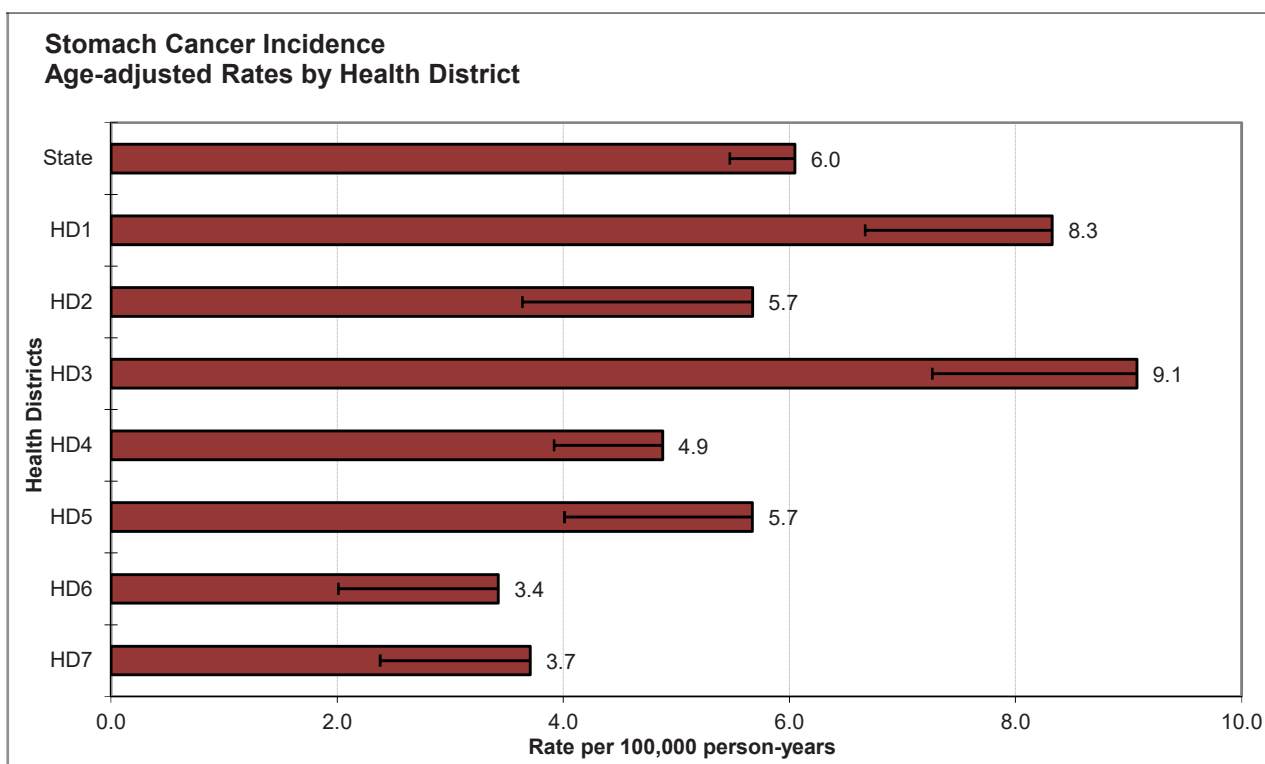
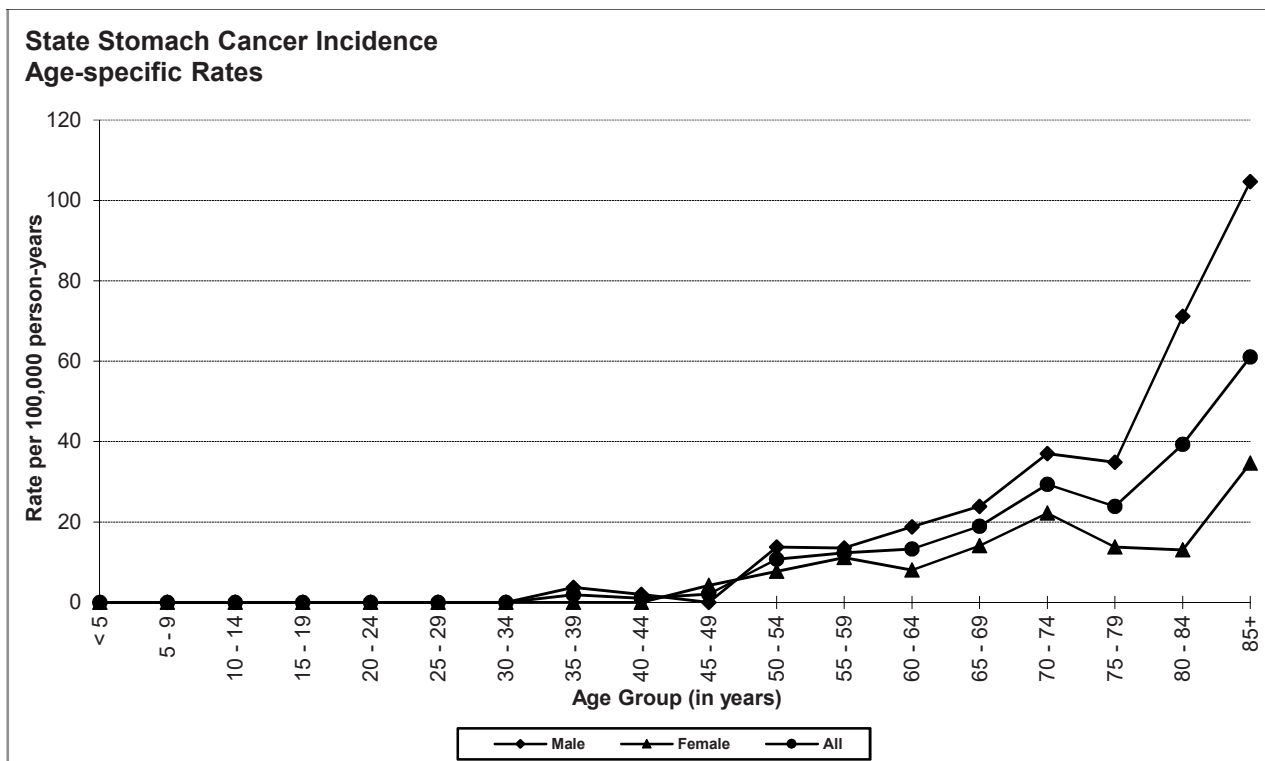
## Risk and Associated Factors

|                       |  |
|-----------------------|--|
| <b>Age</b>            | Stomach cancer incidence rates increase with age.  |
| <b>Gender</b>         | Incidence rates for males are usually more than twice as high as for females.  |
| <b>Race &amp; SES</b> | Incidence rates are higher among blacks and Asian/Pacific Islanders, and incidence is also higher in lower SES groups.   |
| <b>Diet</b>           | 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. |
| <b>Occupation</b>     | Elevated rates have been found in certain occupational groups, especially coal miners and asbestos workers, and occupations with mineral dust exposure.  |
| <b>Other</b>          | Stomach cancer has been linked to peptic ulcer disease and to certain bacteria.  |

## Special Notes

|  |          |
|--|----------|
| Mean age-adjusted incidence rate across health districts:        | 5.8      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 4.2- 7.4 |
| Median age-adjusted incidence rate of health districts:          | 5.7      |
| Range of age-adjusted incidence rate for health districts:       | 3.4- 9.1 |
| USCS rate (2014, all races):                                     | 6.4      |

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 both males and females. Health Districts 1 and 3 had statistically significantly more cases than expected based upon rates for the remainder of Idaho.



# TESTIS

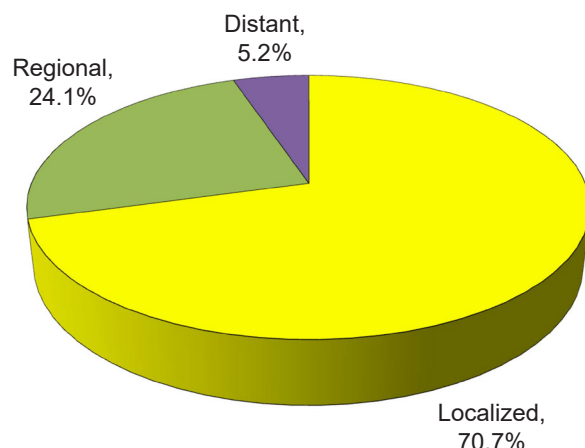
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | -     | 7.6  | -      |
| # of new invasive cases                 | -     | 58   | -      |
| # of new in situ cases                  | -     | 0    | -      |
| # of deaths                             | -     | 0    | -      |

## Total Cases by County

|            |    |            |   |            |   |
|------------|----|------------|---|------------|---|
| Ada        | 18 | Cassia     | - | Lewis      | - |
| Adams      | -  | Clark      | - | Lincoln    | - |
| Bannock    | 1  | Clearwater | 1 | Madison    | 1 |
| Bear Lake  | -  | Custer     | - | Minidoka   | - |
| Benewah    | -  | Elmore     | 2 | Nez Perce  | 1 |
| Bingham    | 1  | Franklin   | - | Oneida     | - |
| Blaine     | -  | Fremont    | - | Owyhee     | - |
| Boise      | -  | Gem        | - | Payette    | 3 |
| Bonner     | 1  | Gooding    | 2 | Power      | - |
| Bonneville | 9  | Idaho      | - | Shoshone   | - |
| Boundary   | 2  | Jefferson  | - | Teton      | - |
| Butte      | -  | Jerome     | - | Twin Falls | 1 |
| Camas      | -  | Kootenai   | 7 | Valley     | 1 |
| Canyon     | 6  | Latah      | - | Washington | 1 |
| Caribou    | -  | Lemhi      | - |            |   |

## Stage at Diagnosis - Testis



## Risk and Associated Factors

|                       |  |
|-----------------------|--|
| <b>Age</b>            | Testicular cancer is the most common cancer in young males, especially males between the ages of 20 and 34.  |
| <b>Race &amp; SES</b> | Incidence rates are substantially higher in white males than in black males. Incidence of testicular cancer is highest in highest socioeconomic classes.   |
| <b>Other</b>          | 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%. |

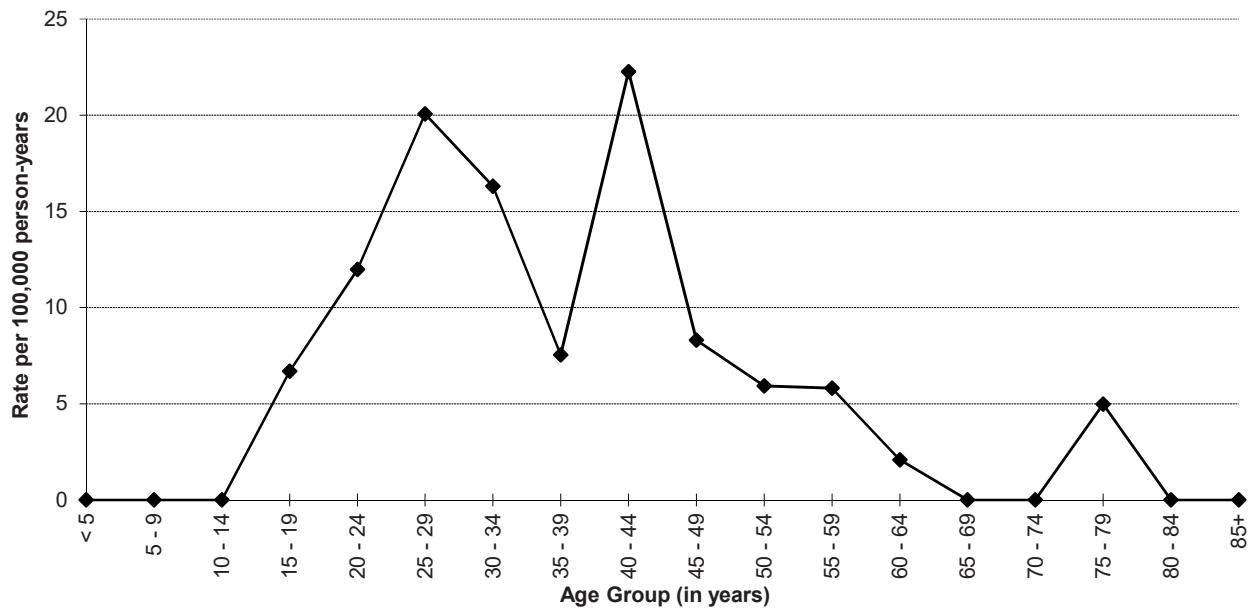
## Special Notes

|  |           |
|--|-----------|
| Mean age-adjusted incidence rate across health districts:        | 7.1       |
| 95% confidence interval on the mean age-adjusted incidence rate: | 4.9- 9.3  |
| Median age-adjusted incidence rate of health districts:          | 8.4       |
| Range of age-adjusted incidence rate for health districts:       | 3.3- 10.4 |
| USCS rate (2014, all races):                                     | 5.6       |

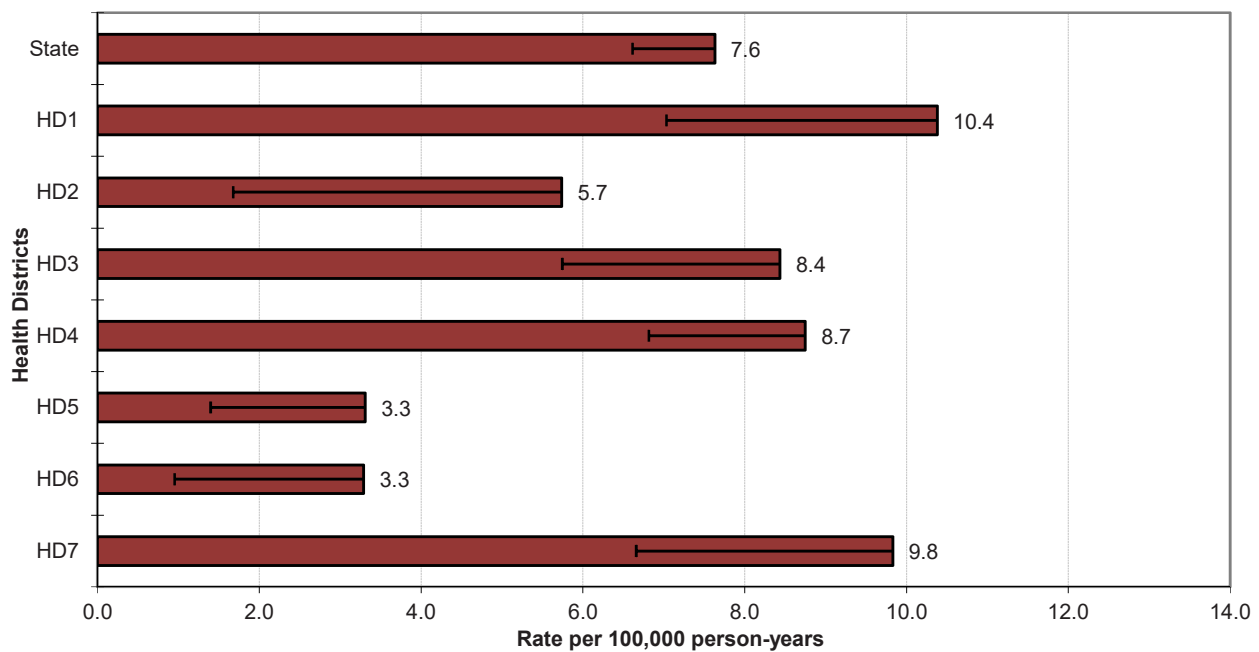
The highest age-specific incidence rate was in the 40-44 age group. No health district had statistically significantly more, or fewer, cases than expected based upon rates for the remainder of Idaho.



### State Testis Cancer Incidence Age-specific Rates



### Testis Cancer Incidence Age-adjusted Rates by Health District



# THYROID

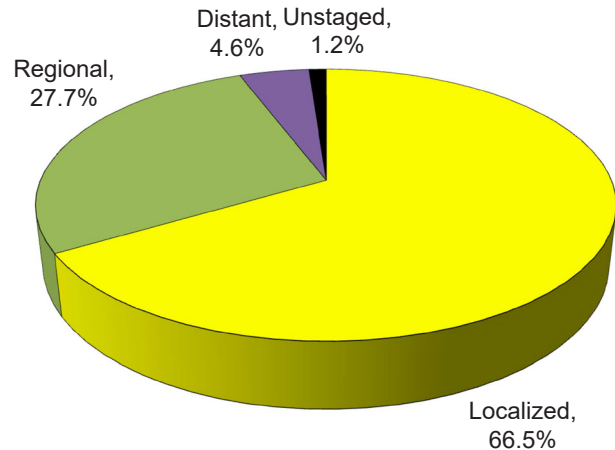
## Incidence and Mortality Summary

|   | Total | Male | Female |
|---|-------|------|--------|
| Age-adjusted incidence rate per 100,000 | 15.6  | 6.5  | 24.7   |
| # of new invasive cases                 | 260   | 58   | 202    |
| # of new in situ cases                  | 0     | 0    | 0      |
| # of deaths                             | 10    | 7    | 3      |

## Total Cases by County

|            |    |            |    |            |   |
|------------|----|------------|----|------------|---|
| Ada        | 63 | Cassia     | 4  | Lewis      | 1 |
| Adams      | 1  | Clark      | -  | Lincoln    | - |
| Bannock    | 12 | Clearwater | -  | Madison    | 9 |
| Bear Lake  | 3  | Custer     | -  | Minidoka   | - |
| Benewah    | 2  | Elmore     | 3  | Nez Perce  | 2 |
| Bingham    | 17 | Franklin   | 2  | Oneida     | - |
| Blaine     | 2  | Fremont    | 4  | Owyhee     | - |
| Boise      | -  | Gem        | 5  | Payette    | 8 |
| Bonner     | 3  | Gooding    | -  | Power      | - |
| Bonneville | 30 | Idaho      | 1  | Shoshone   | 3 |
| Boundary   | 1  | Jefferson  | 8  | Teton      | 5 |
| Butte      | -  | Jerome     | 3  | Twin Falls | 9 |
| Camas      | 1  | Kootenai   | 17 | Valley     | 1 |
| Canyon     | 32 | Latah      | 3  | Washington | 1 |
| Caribou    | 1  | Lemhi      | 3  |            |   |

## Stage at Diagnosis - Thyroid



## Risk and Associated Factors

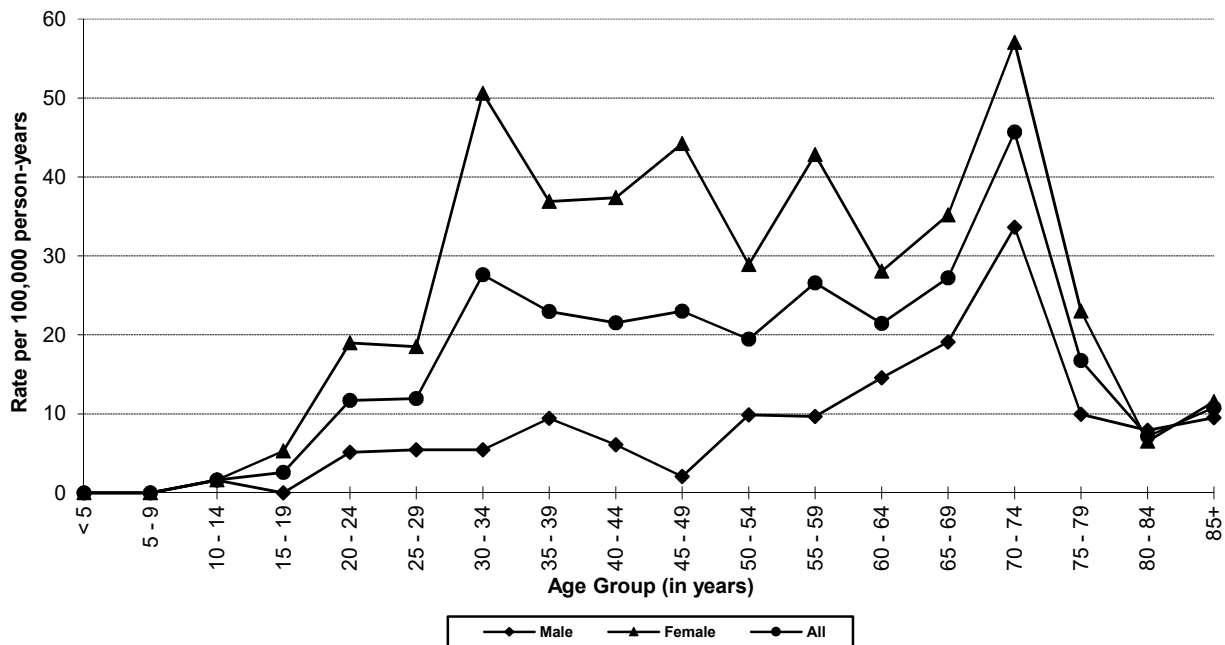
|                       |  |
|-----------------------|--|
| <b>Age</b>            | Thyroid cancer is one of the most common malignancies affecting adolescents and adults up to 50 years of age.  |
| <b>Gender</b>         | Two-thirds of the cases are among females.   |
| <b>Race &amp; SES</b> | The incidence is higher among whites and in upper income groups.   |
| <b>Hormonal</b>       | 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.  |
| <b>Other</b>          | 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. Prognosis worsens with each decade of age over 50, partially because anaplastic thyroid cancer, which has a higher fatality rate, occurs more often among older patients. In the U.S., thyroid cancer incidence rates have tripled in the past 30 years. Some clinicians believe that use of imaging technologies such as ultrasound, CT, and MRI scanning is fueling an epidemic in diagnosis of thyroid cancers that are unlikely to progress to cause symptoms or death, while others argue that the trend is in part real, and involves both small and large tumors. |

## Special Notes

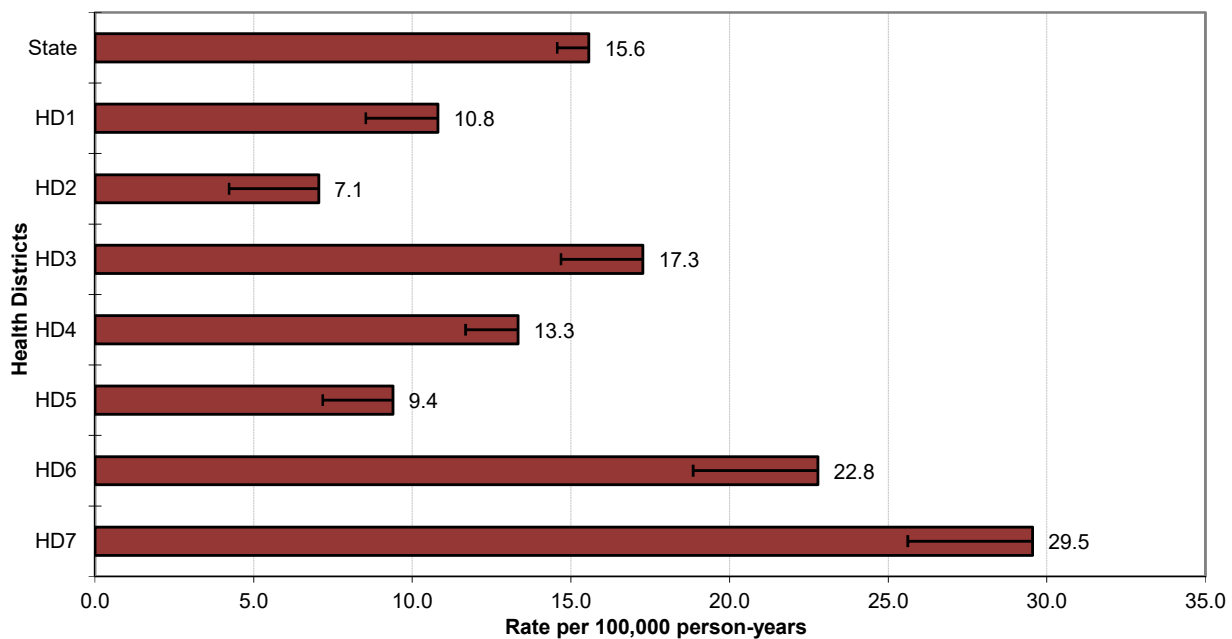
|  |           |
|--|-----------|
| Mean age-adjusted incidence rate across health districts:        | 15.7      |
| 95% confidence interval on the mean age-adjusted incidence rate: | 9.8- 21.7 |
| Median age-adjusted incidence rate of health districts:          | 13.3      |
| Range of age-adjusted incidence rate for health districts:       | 7.1- 29.5 |
| USCS rate (2014, all races):                                     | 14.4      |

The age-specific incidence rates of thyroid cancer were typically higher for females than males. Health District 7 had statistically significantly more cases than expected based upon rates for the remainder of Idaho and Health Districts 1, 2, and 5 had statistically significantly fewer cases than expected.

### State Thyroid Cancer Incidence Age-specific Rates



### Thyroid Cancer Incidence Age-adjusted Rates by Health District





## **SECTION II**

### **STATE OF IDAHO – 2015 INCIDENCE DATA BY SITE AND GENDER**

**Idaho Resident Cancer Cases - 2015**

| Primary Site of Cancer                            | Invasive     |              |              | In situ    |            |            |
|---|--------------|--------------|--------------|------------|------------|------------|
|   | Total        | Male         | Female       | Total      | Male       | Female     |
| <b>All Sites</b>                                  | <b>7,936</b> | <b>4,008</b> | <b>3,928</b> | <b>884</b> | <b>428</b> | <b>456</b> |
| <b>Oral Cavity and Pharynx</b>                    | <b>234</b>   | <b>163</b>   | <b>71</b>    | <b>8</b>   | <b>4</b>   | <b>4</b>   |
| Lip   | 40           | 32           | 8            | 4          | 2          | 2          |
| Tongue  | 63           | 42           | 21           | 1          | -          | 1          |
| Salivary Gland                                    | 33           | 19           | 14           | -          | -          | -          |
| Floor of Mouth                                    | 8            | 4            | 4            | 1          | -          | 1          |
| Gum and Other Mouth                               | 20           | 12           | 8            | 1          | 1          | -          |
| Nasopharynx                                       | 6            | 5            | 1            | -          | -          | -          |
| Tonsil  | 43           | 34           | 9            | 1          | 1          | -          |
| Oropharynx  | 9            | 6            | 3            | -          | -          | -          |
| Hypopharynx                                       | 7            | 5            | 2            | -          | -          | -          |
| Other Oral Cavity and Pharynx                     | 5            | 4            | 1            | -          | -          | -          |
| <b>Digestive System</b>                           | <b>1,415</b> | <b>808</b>   | <b>607</b>   | <b>16</b>  | <b>9</b>   | <b>7</b>   |
| Esophagus   | 81           | 66           | 15           | 1          | 1          | -          |
| Stomach   | 114          | 74           | 40           | -          | -          | -          |
| Small Intestine                                   | 39           | 21           | 18           | -          | -          | -          |
| Colon and Rectum                                  | 645          | 326          | 319          | 10         | 6          | 4          |
| Colon excluding Rectum                            | 465          | 223          | 242          | 7          | 6          | 1          |
| Cecum   | 96           | 48           | 48           | 1          | 1          | -          |
| Appendix  | 35           | 15           | 20           | -          | -          | -          |
| Ascending Colon                                   | 80           | 35           | 45           | 1          | -          | 1          |
| Hepatic Flexure                                   | 24           | 13           | 11           | -          | -          | -          |
| Transverse Colon                                  | 45           | 21           | 24           | -          | -          | -          |
| Splenic Flexure                                   | 19           | 12           | 7            | -          | -          | -          |
| Descending Colon                                  | 27           | 10           | 17           | 3          | 3          | -          |
| Sigmoid Colon                                     | 106          | 55           | 51           | 2          | 2          | -          |
| Large Intestine, NOS                              | 33           | 14           | 19           | -          | -          | -          |
| Rectum and Rectosigmoid Junction                  | 180          | 103          | 77           | 3          | -          | 3          |
| Rectosigmoid Junction                             | 22           | 13           | 9            | 1          | -          | 1          |
| Rectum  | 158          | 90           | 68           | 2          | -          | 2          |
| Anus, Anal Canal and Anorectum                    | 44           | 6            | 38           | -          | -          | -          |
| Liver and Intrahepatic Bile Duct                  | 156          | 113          | 43           | -          | -          | -          |
| Liver   | 120          | 87           | 33           | -          | -          | -          |
| Intrahepatic Bile Duct                            | 36           | 26           | 10           | -          | -          | -          |
| Gallbladder                                       | 21           | 13           | 8            | 3          | -          | 3          |
| Other Biliary                                     | 25           | 15           | 10           | -          | -          | -          |
| Pancreas  | 267          | 167          | 100          | 2          | 2          | -          |
| Retroperitoneum                                   | 4            | -            | 4            | -          | -          | -          |
| Peritoneum, Omentum and Mesentery                 | 8            | 1            | 7            | -          | -          | -          |
| Other Digestive Organs                            | 11           | 6            | 5            | -          | -          | -          |
| <b>Respiratory System</b>                         | <b>987</b>   | <b>539</b>   | <b>448</b>   | <b>9</b>   | <b>6</b>   | <b>3</b>   |
| Nose, Nasal Cavity and Middle Ear                 | 8            | 5            | 3            | 1          | -          | 1          |
| Larynx  | 41           | 36           | 5            | 4          | 4          | -          |
| Lung and Bronchus                                 | 937          | 497          | 440          | 3          | 2          | 1          |
| Pleura  | -            | -            | -            | -          | -          | -          |
| Trachea, Mediastinum and Other Respiratory Organs | 1            | 1            | -            | 1          | -          | 1          |
| <b>Skin excluding Basal and Squamous</b>          | <b>528</b>   | <b>295</b>   | <b>233</b>   | <b>416</b> | <b>250</b> | <b>166</b> |
| Melanoma of the Skin                              | 500          | 282          | 218          | 416        | 250        | 166        |
| Other Non-Epithelial Skin                         | 28           | 13           | 15           | -          | -          | -          |
| <b>Breast</b>                                     | <b>1,175</b> | <b>5</b>     | <b>1,170</b> | <b>217</b> | <b>2</b>   | <b>215</b> |

**Idaho Resident Cancer Cases - 2015 (continued)**

| Primary Site of Cancer                | Invasive     |              |            | In situ    |            |           |
|---------------------------------------|--------------|--------------|------------|------------|------------|-----------|
|                                       | Total        | Male         | Female     | Total      | Male       | Female    |
| <b>Female Genital System</b>          | <b>436</b>   | <b>-</b>     | <b>436</b> | <b>6</b>   | <b>-</b>   | <b>6</b>  |
| Cervix Uteri                          | 47           | -            | 47         | -          | -          | -         |
| Corpus and Uterus, NOS                | 247          | -            | 247        | -          | -          | -         |
| Corpus Uteri                          | 239          | -            | 239        | -          | -          | -         |
| Uterus, NOS                           | 8            | -            | 8          | -          | -          | -         |
| Ovary                                 | 96           | -            | 96         | 2          | -          | 2         |
| Vagina                                | 4            | -            | 4          | -          | -          | -         |
| Vulva                                 | 30           | -            | 30         | 3          | -          | 3         |
| Other Female Genital Organs           | 12           | -            | 12         | 1          | -          | 1         |
| <b>Male Genital System</b>            | <b>1,015</b> | <b>1,015</b> | <b>-</b>   | <b>6</b>   | <b>6</b>   | <b>-</b>  |
| Prostate                              | 949          | 949          | -          | 1          | 1          | -         |
| Testis                                | 58           | 58           | -          | -          | -          | -         |
| Penis                                 | 5            | 5            | -          | 5          | 5          | -         |
| Other Male Genital Organs             | 3            | 3            | -          | -          | -          | -         |
| <b>Urinary System</b>                 | <b>508</b>   | <b>342</b>   | <b>166</b> | <b>204</b> | <b>149</b> | <b>55</b> |
| Urinary Bladder                       | 183          | 135          | 48         | 196        | 145        | 51        |
| Kidney and Renal Pelvis               | 297          | 189          | 108        | 4          | 1          | 3         |
| Ureter                                | 11           | 8            | 3          | 2          | 1          | 1         |
| Other Urinary Organs                  | 17           | 10           | 7          | 2          | 2          | -         |
| <b>Brain and Other Nervous System</b> | <b>155</b>   | <b>97</b>    | <b>58</b>  | <b>-</b>   | <b>-</b>   | <b>-</b>  |
| Brain                                 | 148          | 94           | 54         | -          | -          | -         |
| Cranial Nerves Other Nervous System   | 7            | 3            | 4          | -          | -          | -         |
| <b>Endocrine System</b>               | <b>273</b>   | <b>63</b>    | <b>210</b> | <b>-</b>   | <b>-</b>   | <b>-</b>  |
| Thyroid                               | 260          | 58           | 202        | -          | -          | -         |
| Other Endocrine including Thymus      | 13           | 5            | 8          | -          | -          | -         |
| <b>Lymphoma</b>                       | <b>403</b>   | <b>229</b>   | <b>174</b> | <b>-</b>   | <b>-</b>   | <b>-</b>  |
| Hodgkin Lymphoma                      | 39           | 26           | 13         | -          | -          | -         |
| Non-Hodgkin Lymphoma                  | 364          | 203          | 161        | -          | -          | -         |
| <b>Myeloma</b>                        | <b>124</b>   | <b>73</b>    | <b>51</b>  | <b>-</b>   | <b>-</b>   | <b>-</b>  |
| <b>Leukemia</b>                       | <b>301</b>   | <b>174</b>   | <b>127</b> | <b>-</b>   | <b>-</b>   | <b>-</b>  |
| Lymphocytic Leukemia                  | 175          | 103          | 72         | -          | -          | -         |
| Acute Lymphocytic Leukemia            | 36           | 19           | 17         | -          | -          | -         |
| Chronic Lymphocytic Leukemia          | 131          | 79           | 52         | -          | -          | -         |
| Other Lymphocytic Leukemia            | 8            | 5            | 3          | -          | -          | -         |
| Myeloid and Monocytic Leukemia        | 113          | 67           | 46         | -          | -          | -         |
| Acute Myeloid Leukemia                | 65           | 42           | 23         | -          | -          | -         |
| Acute Monocytic Leukemia              | 4            | 2            | 2          | -          | -          | -         |
| Chronic Myeloid Leukemia              | 42           | 22           | 20         | -          | -          | -         |
| Other Myeloid/Monocytic Leukemia      | 2            | 1            | 1          | -          | -          | -         |
| Other Leukemia                        | 13           | 4            | 9          | -          | -          | -         |
| Other Acute Leukemia                  | 4            | 2            | 2          | -          | -          | -         |
| Aleukemic, Subleukemic and NOS        | 9            | 2            | 7          | -          | -          | -         |
| <b>Other or Unknown Sites</b>         | <b>382</b>   | <b>205</b>   | <b>177</b> | <b>2</b>   | <b>2</b>   | <b>-</b>  |
| Bones and Joints                      | 14           | 6            | 8          | -          | -          | -         |
| Soft Tissue including Heart           | 60           | 31           | 29         | -          | -          | -         |
| Eye and Orbit                         | 18           | 9            | 9          | 2          | 2          | -         |
| Mesothelioma                          | 23           | 16           | 7          | -          | -          | -         |
| Kaposi Sarcoma                        | -            | -            | -          | -          | -          | -         |
| Miscellaneous                         | 267          | 143          | 124        | -          | -          | -         |





## **SECTION III**

### **STATE OF IDAHO – 2015 MORTALITY RATES BY SITE AND GENDER**

### Idaho Resident Cancer Mortality Rates - 2015

| Cause of Death                 | Total |        |           | Male  |        |         | Female |        |         |
|--------------------------------|-------|--------|-----------|-------|--------|---------|--------|--------|---------|
|                                | Rate  | Deaths | Pop       | Rate  | Deaths | Pop     | Rate   | Deaths | Pop     |
| All Causes of Death            | 730.1 | 13,031 | 1,652,828 | 846.8 | 6,856  | 828,277 | 625.3  | 6,175  | 824,551 |
| All Malignant Cancers          | 153.5 | 2,843  | 1,652,828 | 184.5 | 1,577  | 828,277 | 128.9  | 1,266  | 824,551 |
| Bladder                        | 3.9   | 71     | 1,652,828 | 6.2   | 50     | 828,277 | 2.0    | 21     | 824,551 |
| Brain and Other Nervous System | 5.2   | 98     | 1,652,828 | 7.4   | 65     | 828,277 | 3.3    | 33     | 824,551 |
| Breast                         | 11.7  | 210    | 1,652,828 | 0.0   | 0      | 828,277 | 22.1   | 210    | 824,551 |
| Cervix                         | 0.9   | 17     | 1,652,828 | -     | -      | 828,277 | 1.8    | 17     | 824,551 |
| Colorectal                     | 12.2  | 221    | 1,652,828 | 15.7  | 130    | 828,277 | 9.3    | 91     | 824,551 |
| Corpus Uteri                   | 1.5   | 28     | 1,652,828 | -     | -      | 828,277 | 2.9    | 28     | 824,551 |
| Esophagus                      | 4.8   | 89     | 1,652,828 | 7.6   | 66     | 828,277 | 2.3    | 23     | 824,551 |
| Hodgkin Lymphoma               | 0.2   | 4      | 1,652,828 | 0.1   | 1      | 828,277 | 0.3    | 3      | 824,551 |
| Kidney                         | 4.0   | 76     | 1,652,828 | 5.8   | 52     | 828,277 | 2.4    | 24     | 824,551 |
| Larynx                         | 0.7   | 13     | 1,652,828 | 1.2   | 10     | 828,277 | 0.3    | 3      | 824,551 |
| Leukemia                       | 6.5   | 118    | 1,652,828 | 8.4   | 71     | 828,277 | 5.0    | 47     | 824,551 |
| Liver and Bile Duct            | 6.1   | 117    | 1,652,828 | 8.1   | 77     | 828,277 | 4.2    | 40     | 824,551 |
| Lung and Bronchus              | 34.3  | 648    | 1,652,828 | 39.2  | 347    | 828,277 | 30.2   | 301    | 824,551 |
| Melanoma of the Skin           | 3.7   | 69     | 1,652,828 | 5.1   | 45     | 828,277 | 2.3    | 24     | 824,551 |
| Myeloma                        | 3.3   | 58     | 1,652,828 | 4.3   | 34     | 828,277 | 2.5    | 24     | 824,551 |
| Non-Hodgkin Lymphoma           | 5.5   | 100    | 1,652,828 | 6.5   | 54     | 828,277 | 4.7    | 46     | 824,551 |
| Oral Cavity and Pharynx        | 2.6   | 49     | 1,652,828 | 3.6   | 33     | 828,277 | 1.7    | 16     | 824,551 |
| Ovary                          | 4.0   | 77     | 1,652,828 | -     | -      | 828,277 | 7.7    | 77     | 824,551 |
| Pancreas                       | 11.2  | 213    | 1,652,828 | 14.6  | 130    | 828,277 | 8.2    | 83     | 824,551 |
| Prostate                       | 10.8  | 194    | 1,652,828 | 24.7  | 194    | 828,277 | -      | -      | 824,551 |
| Stomach                        | 2.5   | 45     | 1,652,828 | 3.9   | 31     | 828,277 | 1.4    | 14     | 824,551 |
| Testis                         | 0.0   | 0      | 1,652,828 | 0.0   | 0      | 828,277 | -      | -      | 824,551 |
| Thyroid                        | 0.6   | 10     | 1,652,828 | 0.8   | 7      | 828,277 | 0.3    | 3      | 824,551 |

Data source: Bureau of Vital Records and Health Statistics (BVRHS), Idaho Department of Health and Welfare, 2016.<sup>19</sup>

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 (<https://seer.cancer.gov/codrecodes/>), which differ from official BVRHS cancer mortality categories. Death counts may differ from official BVRHS statistics due to late filings.

## **SECTION IV**

### **2015 AGE SPECIFIC INCIDENCE RATES PER 100,000 POPULATION BY SITE AND GENDER**

| Age (years) | 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 + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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**IDAHO** **AGE-SPECIFIC CANCER RATES, PER 100,000 POPULATION, BY SITE AND GENDER** **2015**

| Age (years)                      | 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+   |
|----------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Hodgkin Lymphoma</b>          |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 0.0  | 0.8   | 0.8   | 3.4   | 4.5   | 6.4   | 1.8   | 3.8   | 1.0   | 2.1   | 0.0   | 3.8   | 3.1   | 1.2   | 0.0   | 4.8   | 3.6   |
| Male                             | 0.0  | 0.0   | 0.0   | 6.7   | 6.9   | 9.1   | 3.6   | 7.5   | 2.0   | 2.1   | 0.0   | 1.9   | 2.1   | 2.4   | 0.0   | 5.0   | 7.9   |
| Female                           | 0.0  | 1.7   | 1.7   | 0.0   | 1.9   | 3.7   | 0.0   | 0.0   | 0.0   | 2.1   | 0.0   | 5.6   | 4.0   | 0.0   | 0.0   | 4.6   | 0.0   |
| <b>Kidney &amp; Renal Pelvis</b> |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 1.8  | 0.0   | 0.0   | 0.0   | 0.9   | 0.9   | 3.7   | 2.9   | 7.2   | 13.6  | 16.6  | 35.1  | 33.7  | 54.4  | 68.5  | 105.2 | 96.5  |
| Male                             | 1.7  | 0.0   | 0.0   | 0.0   | 0.0   | 1.8   | 7.3   | 5.7   | 8.1   | 20.8  | 19.7  | 50.3  | 41.7  | 74.1  | 90.8  | 134.4 | 118.6 |
| Female                           | 1.8  | 0.0   | 0.0   | 0.0   | 1.9   | 0.0   | 0.0   | 0.0   | 6.2   | 6.3   | 13.5  | 20.5  | 26.0  | 35.2  | 47.5  | 78.2  | 78.3  |
| <b>Larynx</b>                    |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 0.0  | 0.0   | 0.0   | 0.0   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 1.1   | 1.0   | 5.7   | 8.2   | 5.9   | 16.3  | 12.0  | 7.2   |
| Male                             | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.0   | 9.7   | 14.6  | 12.0  | 33.6  | 24.9  | 7.9   |
| Female                           | 0.0  | 0.0   | 0.0   | 0.0   | 1.9   | 0.0   | 0.0   | 0.0   | 0.0   | 2.1   | 0.0   | 1.9   | 2.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| <b>Leukemia</b>                  |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 7.9  | 4.9   | 5.7   | 3.4   | 2.7   | 1.8   | 2.8   | 3.8   | 2.1   | 13.6  | 13.6  | 23.7  | 25.5  | 42.6  | 75.1  | 67.0  | 153.7 |
| Male                             | 5.2  | 3.2   | 6.3   | 1.7   | 5.1   | 1.8   | 5.4   | 3.8   | 2.0   | 8.3   | 17.8  | 31.0  | 35.4  | 52.6  | 97.5  | 94.6  | 181.9 |
| Female                           | 10.8 | 6.7   | 5.0   | 5.3   | 0.0   | 1.9   | 0.0   | 3.9   | 2.1   | 19.0  | 9.6   | 16.8  | 16.0  | 32.8  | 53.9  | 41.4  | 130.5 |
| <b>Liver &amp; Bile Duct</b>     |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 0.0  | 0.0   | 0.8   | 0.0   | 0.0   | 0.0   | 0.9   | 1.0   | 2.1   | 1.1   | 7.8   | 31.3  | 31.7  | 32.0  | 35.9  | 26.3  | 39.3  |
| Male                             | 0.0  | 0.0   | 1.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.0   | 2.1   | 7.9   | 52.3  | 52.1  | 45.4  | 53.8  | 34.9  | 71.2  |
| Female                           | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.9   | 1.9   | 2.1   | 0.0   | 7.7   | 11.2  | 12.0  | 18.8  | 19.0  | 18.4  | 13.1  |
| <b>Lung &amp; Bronchus</b>       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 2.8   | 0.0   | 0.0   | 1.0   | 10.5  | 44.8  | 64.5  | 109.3 | 168.1 | 310.0 | 389.8 | 400.4 |
| Male                             | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.0   | 8.3   | 35.5  | 69.7  | 118.8 | 188.8 | 363.2 | 413.3 | 490.2 |
| Female                           | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 5.6   | 0.0   | 0.0   | 0.0   | 12.6  | 53.9  | 59.6  | 100.1 | 147.7 | 259.8 | 368.1 | 326.3 |
| <b>Melanoma of the Skin</b>      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 0.0  | 1.6   | 0.0   | 0.9   | 4.5   | 6.4   | 16.6  | 20.1  | 23.6  | 33.5  | 33.1  | 47.4  | 61.3  | 82.9  | 81.6  | 119.6 | 135.9 |
| Male                             | 0.0  | 0.0   | 0.0   | 1.7   | 3.4   | 5.5   | 12.7  | 15.1  | 16.2  | 37.4  | 33.5  | 58.1  | 64.6  | 102.8 | 100.9 | 159.3 | 197.7 |
| Female                           | 0.0  | 3.3   | 0.0   | 0.0   | 5.7   | 7.4   | 20.6  | 25.2  | 31.1  | 29.5  | 32.7  | 37.2  | 58.1  | 63.3  | 63.4  | 82.8  | 84.8  |
| <b>Myeloma</b>                   |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| All                              | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.0   | 3.1   | 4.9   | 9.5   | 10.2  | 21.3  | 57.1  | 26.3  | 57.2  |
| Male                             | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 6.2   | 2.0   | 5.8   | 16.7  | 31.1  | 87.5  | 24.9  | 71.2  |
| Female                           | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.1   | 0.0   | 7.7   | 13.0  | 4.0   | 11.7  | 28.5  | 27.6  | 45.7  |

**IDAHO** **AGE-SPECIFIC CANCER RATES, PER 100,000 POPULATION, BY SITE AND GENDER** **2015**

| 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+   |
|----------------------------------|-----|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| <b>Non-Hodgkin Lymphoma</b>      |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| All                              | 0.0 | 0.8   | 0.8     | 0.9     | 0.9     | 1.8     | 3.7     | 5.7     | 3.1     | 8.4     | 28.3    | 33.2    | 43.9    | 65.1    | 78.3    | 138.7   | 146.6   | 100.5 |
| Male                             | 0.0 | 1.6   | 0.0     | 1.7     | 0.0     | 0.0     | 3.6     | 5.7     | 0.0     | 4.2     | 29.6    | 29.0    | 56.3    | 74.1    | 111.0   | 159.3   | 213.5   | 133.2 |
| Female                           | 0.0 | 0.0   | 1.7     | 0.0     | 1.9     | 3.7     | 3.8     | 5.8     | 6.2     | 12.6    | 27.0    | 37.2    | 32.0    | 56.3    | 47.5    | 119.6   | 91.4    | 80.7  |
| <b>Oral Cavity &amp; Pharynx</b> |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| All                              | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 1.8     | 3.7     | 4.8     | 8.2     | 11.5    | 22.4    | 33.2    | 32.7    | 42.6    | 52.2    | 50.2    | 46.5    | 43.1  |
| Male                             | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 3.7     | 3.6     | 3.8     | 8.1     | 14.5    | 31.6    | 38.7    | 56.3    | 64.5    | 80.7    | 74.7    | 71.2    | 76.1  |
| Female                           | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 3.8     | 5.8     | 8.3     | 8.4     | 13.5    | 27.9    | 10.0    | 21.1    | 25.4    | 27.6    | 26.1    | 23.1  |
| <b>Ovary</b>                     |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Female                           | 0.0 | 0.0   | 0.0     | 3.5     | 1.9     | 3.7     | 3.8     | 1.9     | 6.2     | 12.6    | 21.2    | 16.8    | 22.0    | 35.2    | 38.0    | 46.0    | 39.2    | 28.8  |
| <b>Pancreas</b>                  |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| All                              | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 2.8     | 0.0     | 3.1     | 9.4     | 8.8     | 24.7    | 39.8    | 36.7    | 94.6    | 100.4   | 100.1   | 68.2  |
| Male                             | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 1.8     | 0.0     | 6.1     | 10.4    | 13.8    | 27.1    | 39.6    | 50.2    | 134.5   | 154.4   | 126.5   | 95.1  |
| Female                           | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 3.8     | 0.0     | 0.0     | 8.4     | 3.9     | 22.3    | 40.1    | 23.5    | 57.0    | 50.6    | 78.3    | 51.9  |
| <b>Prostate</b>                  |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Male                             | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 6.1     | 41.5    | 80.8    | 156.8   | 347.9   | 580.8   | 581.9   | 597.5   | 458.6   | 409.1 |
| <b>Stomach</b>                   |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| All                              | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.9     | 1.0     | 2.1     | 10.7    | 12.3    | 13.3    | 18.9    | 29.4    | 23.9    | 39.3    | 61.0  |
| Male                             | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 3.8     | 2.0     | 0.0     | 13.8    | 13.6    | 18.8    | 23.9    | 37.0    | 34.9    | 71.2    | 104.6 |
| Female                           | 0.0 | 0.0   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 4.2     | 7.7     | 11.2    | 8.0     | 14.1    | 22.2    | 13.8    | 13.1    | 34.6  |
| <b>Testis</b>                    |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| Male                             | 0.0 | 0.0   | 0.0     | 6.7     | 12.0    | 20.1    | 16.3    | 7.5     | 22.3    | 8.3     | 5.9     | 5.8     | 2.1     | 0.0     | 0.0     | 5.0     | 0.0     | 0.0   |
| <b>Thyroid</b>                   |     |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
| All                              | 0.0 | 0.0   | 1.6     | 2.6     | 11.7    | 11.9    | 27.6    | 23.0    | 21.5    | 23.0    | 19.5    | 26.6    | 21.4    | 27.2    | 45.7    | 16.7    | 7.2     | 10.8  |
| Male                             | 0.0 | 0.0   | 1.6     | 0.0     | 5.1     | 5.5     | 5.4     | 9.4     | 6.1     | 2.1     | 9.9     | 9.7     | 14.6    | 19.1    | 33.6    | 10.0    | 7.9     | 9.5   |
| Female                           | 0.0 | 0.0   | 1.7     | 5.3     | 19.0    | 18.5    | 50.6    | 36.9    | 37.4    | 44.2    | 28.9    | 42.8    | 28.0    | 35.2    | 57.0    | 23.0    | 6.5     | 11.5  |

## **SECTION V**

### **2015 OBSERVED VS. EXPECTED NUMBERS BY HEALTH DISTRICT**

# 2015 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                 | 1,429 | 1,336.4 + | 629  | 613.8  | 1,375 | 1,285.0 + | 2,275 | 2,226.6 | 872  | 952.6 * | 682  | 806.2 * | 870  | 888.3   |
| Bladder                   | 91    | 59.7 *    | 22   | 30.7   | 58    | 61.0      | 102   | 101.3   | 46   | 44.3    | 30   | 37.8    | 30   | 41.8    |
| Brain                     | 21    | 23.0      | 11   | 10.3   | 24    | 24.0      | 49    | 38.7    | 17   | 17.2    | 10   | 15.2    | 16   | 17.4    |
| Brain & CNS non-Malignant | 28    | 36.6      | 10   | 17.0   | 42    | 34.1      | 70    | 58.7    | 19   | 26.3    | 19   | 21.9    | 33   | 23.9    |
| Breast                    | 188   | 194.9     | 104  | 84.9 + | 201   | 185.5     | 353   | 320.8   | 126  | 136.3   | 105  | 114.9   | 98   | 131.4 * |
| Breast (in situ)          | 39    | 34.9      | 15   | 15.5   | 28    | 36.2      | 68    | 59.6    | 26   | 24.4    | 20   | 20.9    | 21   | 23.9    |
| Cervix                    | 8     | 6.6       | 2    | 3.2    | 7     | 7.6       | 15    | 13.7    | 4    | 5.5     | 6    | 4.4     | 5    | 5.5     |
| Colorectal                | 123   | 103.8     | 45   | 49.1   | 110   | 101.5     | 159   | 185.5   | 62   | 76.7    | 57   | 63.5    | 89   | 67.7 +  |
| Corpus Uteri              | 47    | 38.1      | 17   | 17.3   | 45    | 36.5      | 52    | 74.0 *  | 31   | 26.7    | 22   | 23.3    | 25   | 26.0    |
| Esophagus                 | 15    | 13.7      | 10   | 5.9    | 14    | 12.6      | 27    | 20.1    | 5    | 10.0    | 2    | 8.6 +   | 8    | 8.8     |
| Hodgkin lymphoma          | 5     | 5.3       | 3    | 2.8    | 10    | 5.5       | 5     | 13.9 +  | 5    | 4.4     | 6    | 3.7     | 5    | 5.1     |
| Kidney & renal pelvis     | 59    | 47.6      | 28   | 22.2   | 53    | 46.4      | 77    | 83.0    | 30   | 35.2    | 18   | 30.2 +  | 32   | 32.4    |
| Larynx                    | 8     | 6.9       | 1    | 3.4    | 8     | 6.3       | 15    | 9.8     | 2    | 5.1     | 4    | 4.0     | 3    | 4.6     |
| Leukemia                  | 56    | 47.5      | 25   | 22.7   | 58    | 46.6      | 67    | 87.1 +  | 35   | 35.5    | 36   | 29.3    | 24   | 34.9    |
| Liver & bile duct         | 25    | 26.6      | 9    | 12.0   | 21    | 25.3      | 55    | 38.2 +  | 18   | 18.0    | 16   | 15.2    | 12   | 17.5    |
| Lung & bronchus           | 191   | 155.4 *   | 83   | 73.6   | 173   | 146.0 +   | 263   | 246.3   | 98   | 112.0   | 61   | 95.1 *  | 70   | 104.0 * |
| Melanoma of skin          | 74    | 82.1      | 39   | 36.6   | 48    | 85.7 *    | 178   | 125.2 * | 54   | 58.3    | 43   | 49.5    | 64   | 54.2    |
| Myeloma                   | 16    | 22.3      | 13   | 9.5    | 22    | 19.5      | 37    | 32.2    | 11   | 15.0    | 11   | 12.2    | 14   | 13.1    |
| N-H Lymphoma              | 53    | 62.7      | 33   | 27.5   | 65    | 56.7      | 99    | 98.4    | 45   | 42.1    | 32   | 36.1    | 37   | 39.7    |
| Oral cavity & pharynx     | 36    | 39.2      | 18   | 17.3   | 40    | 36.7      | 63    | 66.6    | 29   | 26.7    | 12   | 23.9 +  | 36   | 24.1 +  |
| Ovary                     | 12    | 16.5      | 9    | 6.9    | 17    | 15.1      | 27    | 26.8    | 10   | 11.2    | 10   | 9.3     | 11   | 10.5    |
| Pancreas                  | 50    | 44.7      | 18   | 20.9   | 49    | 41.8      | 67    | 74.1    | 26   | 31.9    | 30   | 25.7    | 27   | 28.9    |
| Prostate                  | 180   | 161.2     | 71   | 73.2   | 136   | 154.6     | 257   | 257.2   | 113  | 109.0   | 76   | 93.7    | 116  | 99.3    |
| Stomach                   | 27    | 17.5 +    | 8    | 8.9    | 26    | 16.6 +    | 27    | 32.7    | 12   | 13.5    | 6    | 11.7    | 8    | 12.8    |
| Testis                    | 10    | 7.0       | 2    | 4.0    | 10    | 9.2       | 21    | 16.3    | 3    | 6.9     | 2    | 6.2     | 10   | 7.0     |
| Thyroid                   | 26    | 40.6 +    | 7    | 18.5 * | 47    | 40.7      | 67    | 81.0    | 19   | 30.8 +  | 35   | 24.5    | 59   | 26.6 *  |
| Pediatric (age 0-19)      | 8     | 10.7      | 2    | 5.1    | 18    | 15.3      | 27    | 23.0    | 7    | 11.5    | 12   | 9.7     | 15   | 12.7    |

+ 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.



# 2015 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                 | 759  | 693.1 + | 321  | 325.7 | 693  | 657.1  | 1,123 | 1,110.2 | 450  | 487.9 | 353  | 413.8 * | 454  | 453.4  |
| Bladder                   | 70   | 44.1 *  | 16   | 23.3  | 46   | 44.6   | 65    | 76.2    | 35   | 32.7  | 24   | 28.0    | 24   | 30.9   |
| Brain                     | 14   | 15.0    | 9    | 6.7   | 15   | 15.1   | 27    | 25.7    | 10   | 11.0  | 7    | 9.6     | 12   | 10.6   |
| Brain & CNS non-Malignant | 9    | 11.8    | 2    | 5.7   | 15   | 11.0   | 20    | 19.7    | 7    | 8.5   | 7    | 7.1     | 12   | 7.7    |
| Breast                    | 2    | 0.6     | 0    | 0.4   | 0    | 1.0    | 2     | 0.9     | 1    | 0.5   | 0    | 0.5     | 0    | 0.6    |
| Breast (in situ)          | 0    | 0.4     | 0    | 0.2   | 0    | 0.4    | 1     | 0.4     | 0    | 0.3   | 1    | 0.1     | 0    | 0.2    |
| Colorectal                | 49   | 55.3    | 25   | 25.0  | 61   | 50.4   | 83    | 90.9    | 32   | 38.7  | 34   | 31.6    | 42   | 34.8   |
| Esophagus                 | 13   | 11.2    | 9    | 4.9   | 11   | 10.4   | 22    | 16.0    | 5    | 8.0   | 0    | 7.2 *   | 6    | 7.3    |
| Hodgkin lymphoma          | 1    | 3.7     | 3    | 1.8   | 7    | 3.5    | 3     | 9.6 +   | 4    | 2.8   | 5    | 2.4     | 3    | 3.5    |
| Kidney & renal pelvis     | 37   | 30.7    | 19   | 14.2  | 31   | 30.0   | 47    | 52.9    | 19   | 22.4  | 12   | 19.2    | 24   | 20.4   |
| Larynx                    | 7    | 6.2     | 1    | 3.0   | 7    | 5.5    | 12    | 8.8     | 2    | 4.5   | 4    | 3.5     | 3    | 4.0    |
| Leukemia                  | 36   | 27.1    | 14   | 13.5  | 29   | 27.7   | 34    | 50.6 +  | 20   | 20.5  | 23   | 16.7    | 18   | 19.7   |
| Liver & bile duct         | 17   | 19.6    | 7    | 8.8   | 15   | 18.2   | 45    | 25.2 *  | 14   | 12.9  | 9    | 11.4    | 6    | 13.1 + |
| Lung & bronchus           | 103  | 83.7 +  | 39   | 40.6  | 87   | 78.6   | 142   | 125.8   | 54   | 59.2  | 40   | 49.9    | 33   | 56.0 * |
| Melanoma of skin          | 43   | 47.1    | 22   | 21.7  | 29   | 47.8 * | 99    | 69.2 *  | 31   | 33.0  | 22   | 28.3    | 36   | 30.4   |
| Myeloma                   | 10   | 13.4    | 6    | 5.9   | 16   | 11.0   | 21    | 18.5    | 5    | 9.0   | 6    | 7.2     | 9    | 7.6    |
| N-H Lymphoma              | 31   | 35.6    | 16   | 16.1  | 38   | 31.3   | 51    | 53.8    | 25   | 23.6  | 21   | 20.0    | 21   | 22.2   |
| Oral cavity & pharynx     | 28   | 27.1    | 11   | 12.5  | 26   | 25.7   | 44    | 45.4    | 18   | 18.9  | 9    | 16.7    | 27   | 16.7 + |
| Pancreas                  | 32   | 28.3    | 14   | 13.2  | 30   | 26.5   | 35    | 47.4    | 16   | 20.0  | 21   | 15.8    | 19   | 17.9   |
| Prostate                  | 180  | 162.5   | 71   | 75.0  | 136  | 153.9  | 257   | 252.2   | 113  | 109.1 | 76   | 94.4    | 116  | 100.3  |
| Stomach                   | 20   | 11.0 +  | 7    | 5.7   | 17   | 10.8   | 19    | 20.1    | 2    | 9.6 * | 4    | 7.7     | 5    | 8.4    |
| Testis                    | 10   | 6.9     | 2    | 4.1   | 10   | 9.0    | 21    | 16.6    | 3    | 6.9   | 2    | 6.2     | 10   | 7.1    |
| Thyroid                   | 6    | 9.5     | 2    | 4.4   | 13   | 8.5    | 15    | 17.2    | 3    | 7.1   | 7    | 5.6     | 12   | 6.0 +  |
| Pediatric (age 0-19)      | 1    | 4.7     | 0    | 2.2   | 7    | 6.3    | 9     | 10.1    | 4    | 4.4   | 7    | 3.7     | 8    | 4.7    |

+ 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.

# 2015 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                 | 670  | 647.3  | 308  | 289.6  | 682  | 629.5 + | 1,152 | 1,107.0 | 422  | 464.1 | 329  | 393.4 * | 416  | 435.1   |
| Bladder                   | 21   | 15.9   | 6    | 7.8    | 12   | 16.5    | 37    | 23.4 +  | 11   | 11.6  | 6    | 10.0    | 6    | 11.0    |
| Brain                     | 7    | 8.1    | 2    | 3.7    | 9    | 8.9     | 22    | 12.7 +  | 7    | 6.2   | 3    | 5.7     | 4    | 6.9     |
| Brain & CNS non-Malignant | 19   | 24.9   | 8    | 11.2   | 27   | 23.3    | 50    | 39.1    | 12   | 17.7  | 12   | 14.7    | 21   | 16.1    |
| Breast                    | 186  | 193.9  | 104  | 82.8 + | 201  | 185.7   | 351   | 323.5   | 125  | 135.2 | 105  | 114.0   | 98   | 129.5 * |
| Breast (in situ)          | 39   | 34.5   | 15   | 15.1   | 28   | 36.2    | 67    | 59.6    | 26   | 24.1  | 19   | 20.7    | 21   | 23.4    |
| Cervix                    | 8    | 6.8    | 2    | 3.1    | 7    | 7.7     | 15    | 13.7    | 4    | 5.4   | 6    | 4.4     | 5    | 5.5     |
| Colorectal                | 74   | 48.7 * | 20   | 24.1   | 49   | 51.2    | 76    | 94.3    | 30   | 38.0  | 23   | 31.8    | 47   | 32.9 +  |
| Corpus Uteri              | 47   | 38.3   | 17   | 17.0   | 45   | 36.7    | 52    | 74.7 *  | 31   | 26.6  | 22   | 23.2    | 25   | 25.7    |
| Esophagus                 | 2    | 2.6    | 1    | 1.2    | 3    | 2.3     | 5     | 3.8     | 0    | 2.0   | 2    | 1.4     | 2    | 1.6     |
| Hodgkin lymphoma          | 4    | 1.6    | 0    | 1.0    | 3    | 1.9     | 2     | 4.4     | 1    | 1.6   | 1    | 1.4     | 2    | 1.5     |
| Kidney & renal pelvis     | 22   | 17.1   | 9    | 8.1    | 22   | 16.3    | 30    | 29.7    | 11   | 12.8  | 6    | 11.0    | 8    | 12.1    |
| Larynx                    | 1    | 0.8    | 0    | 0.4    | 1    | 0.7     | 3     | 0.8     | 0    | 0.6   | 0    | 0.6     | 0    | 0.7     |
| Leukemia                  | 20   | 20.5   | 11   | 9.3    | 29   | 18.9 +  | 33    | 35.9    | 15   | 15.0  | 13   | 12.6    | 6    | 15.3 +  |
| Liver & bile duct         | 8    | 7.0    | 2    | 3.3    | 6    | 7.0     | 10    | 12.8    | 4    | 5.1   | 7    | 3.8     | 6    | 4.5     |
| Lung & bronchus           | 88   | 72.1   | 44   | 33.3   | 86   | 67.6 +  | 121   | 119.7   | 44   | 52.9  | 21   | 45.3 *  | 37   | 48.1    |
| Melanoma of skin          | 31   | 35.2   | 17   | 15.1   | 19   | 38.1 *  | 79    | 55.4 *  | 23   | 25.3  | 21   | 21.4    | 28   | 23.9    |
| Myeloma                   | 6    | 9.0    | 7    | 3.7    | 6    | 8.5     | 16    | 13.4    | 6    | 6.0   | 5    | 5.0     | 5    | 5.5     |
| N-H Lymphoma              | 22   | 27.3   | 17   | 11.6   | 27   | 25.5    | 48    | 43.7    | 20   | 18.5  | 11   | 16.2    | 16   | 17.6    |
| Oral cavity & pharynx     | 8    | 12.1   | 7    | 5.0    | 14   | 10.8    | 19    | 20.8    | 11   | 7.8   | 3    | 7.3     | 9    | 7.6     |
| Ovary                     | 12   | 16.4   | 9    | 6.7    | 17   | 15.2    | 27    | 27.0    | 10   | 11.1  | 10   | 9.3     | 11   | 10.5    |
| Pancreas                  | 18   | 16.7   | 4    | 7.9    | 19   | 15.3    | 32    | 26.1    | 10   | 11.9  | 9    | 9.9     | 8    | 11.0    |
| Stomach                   | 7    | 6.6    | 1    | 3.2    | 9    | 5.9     | 8     | 12.3    | 10   | 3.9 + | 2    | 4.0     | 3    | 4.4     |
| Thyroid                   | 20   | 31.3 + | 5    | 13.9 + | 34   | 32.6    | 52    | 63.3    | 16   | 23.6  | 28   | 19.0    | 47   | 20.6 *  |
| Pediatric (age 0-19)      | 7    | 6.1    | 2    | 2.9    | 11   | 9.1     | 18    | 12.9    | 3    | 7.0   | 5    | 6.0     | 7    | 8.1     |

+ 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 BEING DIAGNOSED AND DYING FROM CANCER**

## Risks of Being Diagnosed with and Dying from Cancer

### All Sites, Invasive in Females

| If your current age is: | Then your risk of <u>being diagnosed with cancer</u> by a given age is: |           |           |           |           |        |
|-------------------------|---|-----------|-----------|-----------|-----------|--------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever   |
| <b>30</b>               | 1 in 64   | 1 in 20   | 1 in 9    | 1 in 5    | 1 in 3    | 1 in 2 |
| <b>40</b>               |   | 1 in 29   | 1 in 10   | 1 in 5    | 1 in 3    | 1 in 2 |
| <b>50</b>               |   |           | 1 in 15   | 1 in 6    | 1 in 3    | 1 in 2 |
| <b>60</b>               |   |           |           | 1 in 8    | 1 in 4    | 1 in 2 |
| <b>70</b>               |   |           |           |           | 1 in 6    | 1 in 3 |
| <b>80</b>               |   |           |           |           |           | 1 in 4 |

| If your current age is: | Then your risk of <u>dying from cancer</u> by a given age is: |           |           |           |           |        |
|-------------------------|---|-----------|-----------|-----------|-----------|--------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever   |
| <b>30</b>               | 1 in 691  | 1 in 153  | 1 in 49   | 1 in 19   | 1 in 9    | 1 in 5 |
| <b>40</b>               |   | 1 in 195  | 1 in 52   | 1 in 20   | 1 in 9    | 1 in 5 |
| <b>50</b>               |   |           | 1 in 69   | 1 in 21   | 1 in 10   | 1 in 6 |
| <b>60</b>               |   |           |           | 1 in 30   | 1 in 11   | 1 in 6 |
| <b>70</b>               |   |           |           |           | 1 in 15   | 1 in 7 |
| <b>80</b>               |   |           |           |           |           | 1 in 9 |

### All Sites, Invasive in Males

| If your current age is: | Then your risk of <u>being diagnosed with cancer</u> by a given age is: |           |           |           |           |        |
|-------------------------|---|-----------|-----------|-----------|-----------|--------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever   |
| <b>30</b>               | 1 in 127  | 1 in 38   | 1 in 12   | 1 in 5    | 1 in 3    | 1 in 2 |
| <b>40</b>               |   | 1 in 52   | 1 in 13   | 1 in 5    | 1 in 3    | 1 in 2 |
| <b>50</b>               |   |           | 1 in 16   | 1 in 5    | 1 in 3    | 1 in 2 |
| <b>60</b>               |   |           |           | 1 in 7    | 1 in 3    | 1 in 2 |
| <b>70</b>               |   |           |           |           | 1 in 4    | 1 in 2 |
| <b>80</b>               |   |           |           |           |           | 1 in 3 |

| If your current age is: | Then your risk of <u>dying from cancer</u> by a given age is: |           |           |           |           |        |
|-------------------------|---|-----------|-----------|-----------|-----------|--------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever   |
| <b>30</b>               | 1 in 722  | 1 in 185  | 1 in 46   | 1 in 17   | 1 in 8    | 1 in 5 |
| <b>40</b>               |   | 1 in 245  | 1 in 49   | 1 in 17   | 1 in 8    | 1 in 5 |
| <b>50</b>               |   |           | 1 in 59   | 1 in 18   | 1 in 8    | 1 in 4 |
| <b>60</b>               |   |           |           | 1 in 24   | 1 in 8    | 1 in 5 |
| <b>70</b>               |   |           |           |           | 1 in 11   | 1 in 5 |
| <b>80</b>               |   |           |           |           |           | 1 in 6 |

## Risks of Being Diagnosed with and Dying from Cancer

### Female Breast Cancer

| If your current age is: | Then your risk of <u>being diagnosed with breast cancer</u> by a given age is: |           |           |           |           |         |
|-------------------------|--|-----------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 238   | 1 in 58   | 1 in 26   | 1 in 14   | 1 in 9    | 1 in 8  |
| 40                      |  | 1 in 76   | 1 in 29   | 1 in 15   | 1 in 10   | 1 in 8  |
| 50                      |  |           | 1 in 45   | 1 in 18   | 1 in 11   | 1 in 8  |
| 60                      |  |           |           | 1 in 28   | 1 in 13   | 1 in 10 |
| 70                      |  |           |           |           | 1 in 22   | 1 in 13 |
| 80                      |  |           |           |           |           | 1 in 23 |

| If your current age is: | Then your risk of <u>dying from breast cancer</u> by a given age is: |           |           |           |           |         |
|-------------------------|--|-----------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 2526  | 1 in 564  | 1 in 214  | 1 in 106  | 1 in 59   | 1 in 38 |
| 40                      |  | 1 in 719  | 1 in 232  | 1 in 110  | 1 in 60   | 1 in 38 |
| 50                      |  |           | 1 in 335  | 1 in 127  | 1 in 64   | 1 in 39 |
| 60                      |  |           |           | 1 in 197  | 1 in 76   | 1 in 42 |
| 70                      |  |           |           |           | 1 in 113  | 1 in 49 |
| 80                      |  |           |           |           |           | 1 in 67 |

### Prostate Cancer

| If your current age is: | Then your risk of <u>being diagnosed with prostate cancer</u> by a given age is: |           |           |           |           |         |
|-------------------------|--|-----------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 16070   | 1 in 378  | 1 in 55   | 1 in 17   | 1 in 10   | 1 in 8  |
| 40                      |  | 1 in 381  | 1 in 54   | 1 in 17   | 1 in 10   | 1 in 8  |
| 50                      |  |           | 1 in 61   | 1 in 17   | 1 in 10   | 1 in 8  |
| 60                      |  |           |           | 1 in 21   | 1 in 10   | 1 in 8  |
| 70                      |  |           |           |           | 1 in 17   | 1 in 11 |
| 80                      |  |           |           |           |           | 1 in 19 |

| If your current age is: | Then your risk of <u>dying from prostate cancer</u> by a given age is: |            |           |           |           |         |
|-------------------------|--|------------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50  | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in *   | 1 in 24646 | 1 in 1550 | 1 in 293  | 1 in 86   | 1 in 32 |
| 40                      |  | 1 in 24260 | 1 in 1526 | 1 in 288  | 1 in 84   | 1 in 31 |
| 50                      |  |            | 1 in 1580 | 1 in 283  | 1 in 82   | 1 in 30 |
| 60                      |  |            |           | 1 in 322  | 1 in 81   | 1 in 29 |
| 70                      |  |            |           |           | 1 in 94   | 1 in 28 |
| 80                      |  |            |           |           |           | 1 in 28 |

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

## Risks of Being Diagnosed with and Dying from Cancer

### Colon/Rectal Cancer in Females

| If your current age is: | Then your risk of <u>being diagnosed with colorectal cancer</u> by a given age is: |           |           |           |           |         |
|-------------------------|--|-----------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 1380  | 1 in 331  | 1 in 132  | 1 in 67   | 1 in 38   | 1 in 25 |
| 40                      |  | 1 in 431  | 1 in 144  | 1 in 69   | 1 in 39   | 1 in 25 |
| 50                      |  |           | 1 in 212  | 1 in 81   | 1 in 42   | 1 in 26 |
| 60                      |  |           |           | 1 in 124  | 1 in 50   | 1 in 28 |
| 70                      |  |           |           |           | 1 in 75   | 1 in 33 |
| 80                      |  |           |           |           |           | 1 in 46 |

| If your current age is: | Then your risk of <u>dying from colorectal cancer</u> by a given age is: |           |           |           |           |         |
|-------------------------|--|-----------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 6189  | 1 in 1417 | 1 in 529  | 1 in 241  | 1 in 120  | 1 in 65 |
| 40                      |  | 1 in 1821 | 1 in 573  | 1 in 249  | 1 in 121  | 1 in 65 |
| 50                      |  |           | 1 in 820  | 1 in 283  | 1 in 127  | 1 in 66 |
| 60                      |  |           |           | 1 in 414  | 1 in 145  | 1 in 69 |
| 70                      |  |           |           |           | 1 in 203  | 1 in 76 |
| 80                      |  |           |           |           |           | 1 in 93 |

### Colon/Rectal Cancer in Males

| If your current age is: | Then your risk of <u>being diagnosed with colorectal cancer</u> by a given age is: |           |           |           |           |         |
|-------------------------|--|-----------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 1579  | 1 in 340  | 1 in 121  | 1 in 57   | 1 in 33   | 1 in 24 |
| 40                      |  | 1 in 427  | 1 in 129  | 1 in 58   | 1 in 33   | 1 in 24 |
| 50                      |  |           | 1 in 178  | 1 in 65   | 1 in 35   | 1 in 25 |
| 60                      |  |           |           | 1 in 94   | 1 in 40   | 1 in 26 |
| 70                      |  |           |           |           | 1 in 60   | 1 in 32 |
| 80                      |  |           |           |           |           | 1 in 47 |

| If your current age is: | Then your risk of <u>dying from colorectal cancer</u> by a given age is: |           |           |           |           |         |
|-------------------------|--|-----------|-----------|-----------|-----------|---------|
|                         | By age 40  | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 5694  | 1 in 1450 | 1 in 401  | 1 in 171  | 1 in 89   | 1 in 54 |
| 40                      |  | 1 in 1914 | 1 in 424  | 1 in 174  | 1 in 89   | 1 in 54 |
| 50                      |  |           | 1 in 529  | 1 in 186  | 1 in 91   | 1 in 54 |
| 60                      |  |           |           | 1 in 267  | 1 in 102  | 1 in 56 |
| 70                      |  |           |           |           | 1 in 144  | 1 in 62 |
| 80                      |  |           |           |           |           | 1 in 76 |

## Risks of Being Diagnosed with and Dying from Cancer

### Melanoma in Females

| If your current age is: | Then your risk of <u>being diagnosed with melanoma</u> by a given age is: |           |           |           |           |          |
|-------------------------|---|-----------|-----------|-----------|-----------|----------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever     |
| 30                      | 1 in 496  | 1 in 199  | 1 in 118  | 1 in 77   | 1 in 57   | 1 in 46  |
| 40                      |   | 1 in 330  | 1 in 153  | 1 in 90   | 1 in 64   | 1 in 50  |
| 50                      |   |           | 1 in 278  | 1 in 120  | 1 in 77   | 1 in 58  |
| 60                      |   |           |           | 1 in 202  | 1 in 102  | 1 in 70  |
| 70                      |   |           |           |           | 1 in 185  | 1 in 96  |
| 80                      |   |           |           |           |           | 1 in 154 |

| If your current age is: | Then your risk of <u>dying from melanoma</u> by a given age is: |           |           |           |           |          |
|-------------------------|---|-----------|-----------|-----------|-----------|----------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever     |
| 30                      | 1 in 12917  | 1 in 4857 | 1 in 1909 | 1 in 1035 | 1 in 576  | 1 in 321 |
| 40                      |   | 1 in 7713 | 1 in 2220 | 1 in 1115 | 1 in 597  | 1 in 327 |
| 50                      |   |           | 1 in 3055 | 1 in 1278 | 1 in 635  | 1 in 334 |
| 60                      |   |           |           | 1 in 2107 | 1 in 768  | 1 in 360 |
| 70                      |   |           |           |           | 1 in 1103 | 1 in 396 |
| 80                      |   |           |           |           |           | 1 in 477 |

### Melanoma in Males

| If your current age is: | Then your risk of <u>being diagnosed with melanoma</u> by a given age is: |           |           |           |           |         |
|-------------------------|---|-----------|-----------|-----------|-----------|---------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever    |
| 30                      | 1 in 750  | 1 in 289  | 1 in 133  | 1 in 65   | 1 in 42   | 1 in 31 |
| 40                      |   | 1 in 464  | 1 in 159  | 1 in 70   | 1 in 43   | 1 in 31 |
| 50                      |   |           | 1 in 234  | 1 in 80   | 1 in 46   | 1 in 33 |
| 60                      |   |           |           | 1 in 113  | 1 in 54   | 1 in 35 |
| 70                      |   |           |           |           | 1 in 88   | 1 in 44 |
| 80                      |   |           |           |           |           | 1 in 63 |

| If your current age is: | Then your risk of <u>dying from melanoma</u> by a given age is: |           |           |           |           |          |
|-------------------------|---|-----------|-----------|-----------|-----------|----------|
|                         | By age 40   | By age 50 | By age 60 | By age 70 | By age 80 | Ever     |
| 30                      | 1 in 7784   | 1 in 3471 | 1 in 1131 | 1 in 492  | 1 in 281  | 1 in 179 |
| 40                      |   | 1 in 6167 | 1 in 1303 | 1 in 517  | 1 in 286  | 1 in 180 |
| 50                      |   |           | 1 in 1603 | 1 in 547  | 1 in 292  | 1 in 180 |
| 60                      |   |           |           | 1 in 776  | 1 in 333  | 1 in 189 |
| 70                      |   |           |           |           | 1 in 507  | 1 in 218 |
| 80                      |   |           |           |           |           | 1 in 270 |

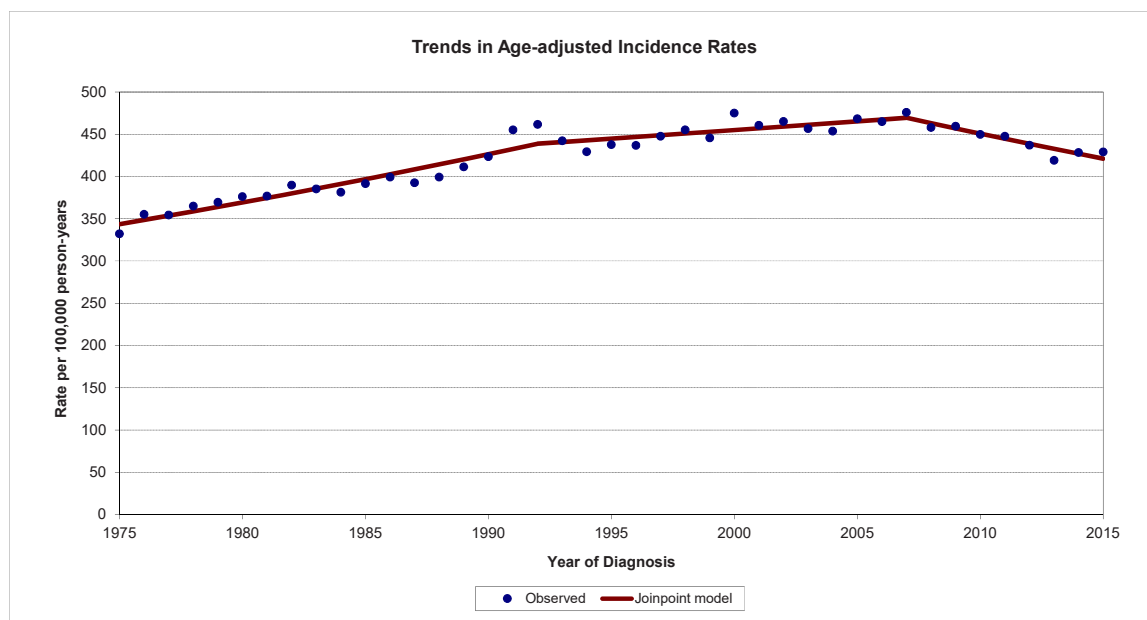




## **SECTION VII**

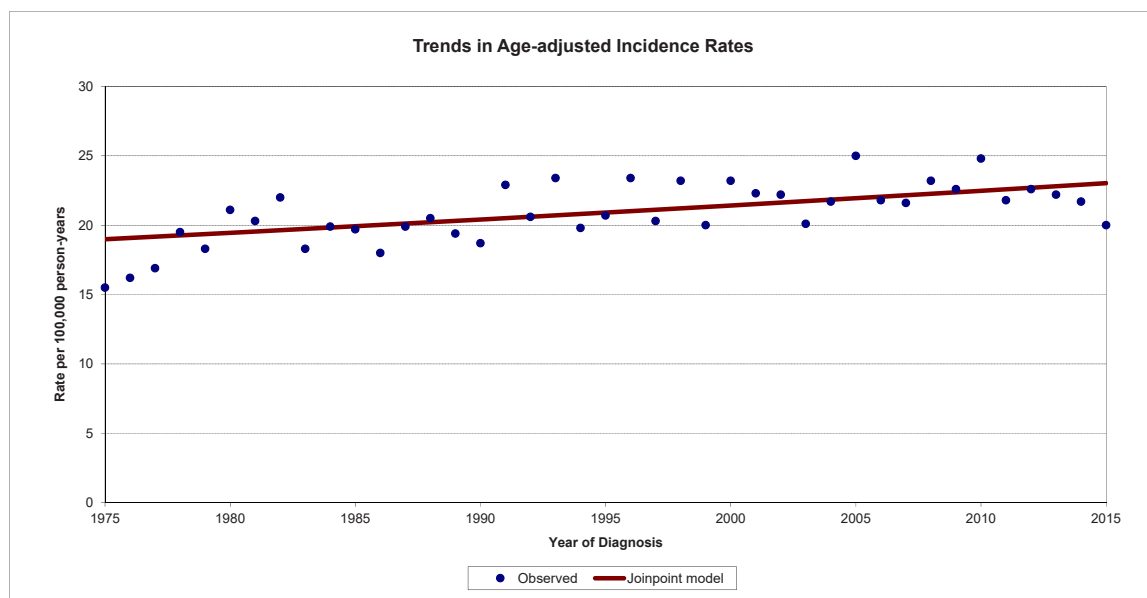
### **CANCER TRENDS IN IDAHO 1975-2015**

## All Sites



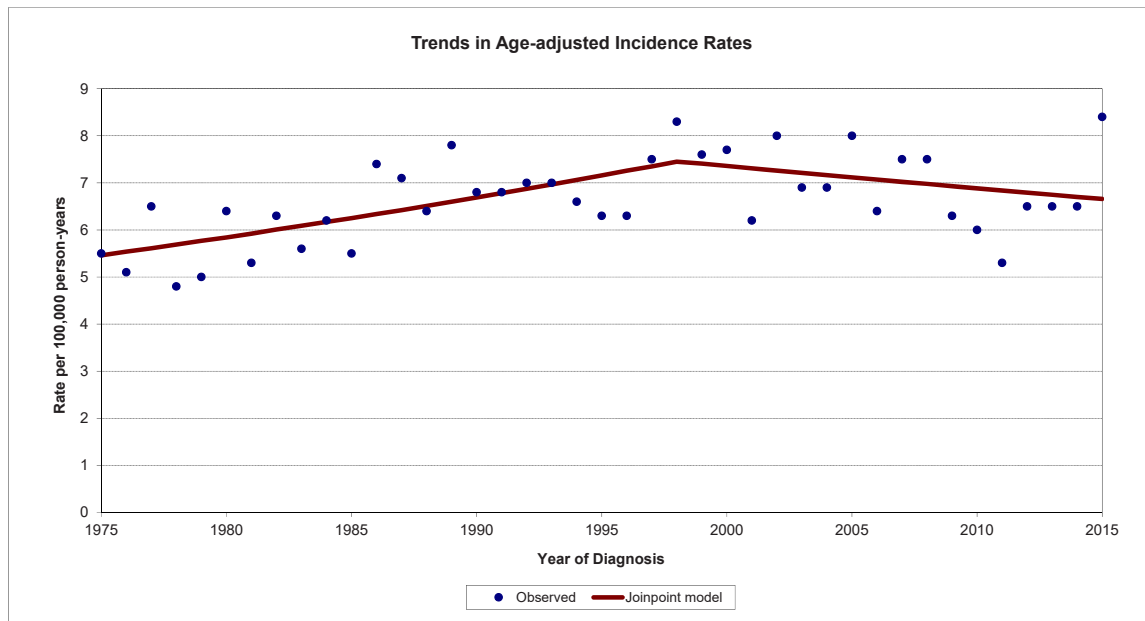
Cancer incidence increased at a rate of about 1.4% per year in Idaho from 1975 to 1992, and at a rate of about 0.5% per year from 1992 to 2007. Since 2007, overall cancer incidence has declined about 1.4% per year. Cancer incidence trends over time were different for males and females. For males, much 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



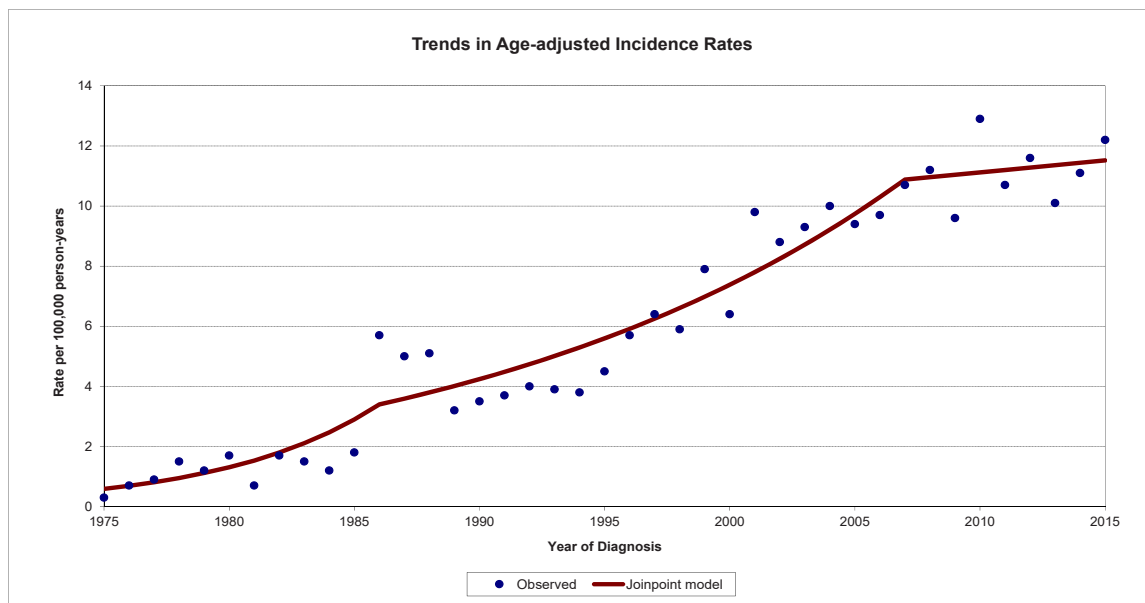
Bladder cancer incidence includes in situ and invasive cases. Bladder cancer incidence increased at a rate of about 0.5% per year in Idaho from 1975 to 2015. Most of the increase in bladder cancer incidence is attributable to males, who have rates of bladder cancer incidence about 4-5 times those of females.

## Brain



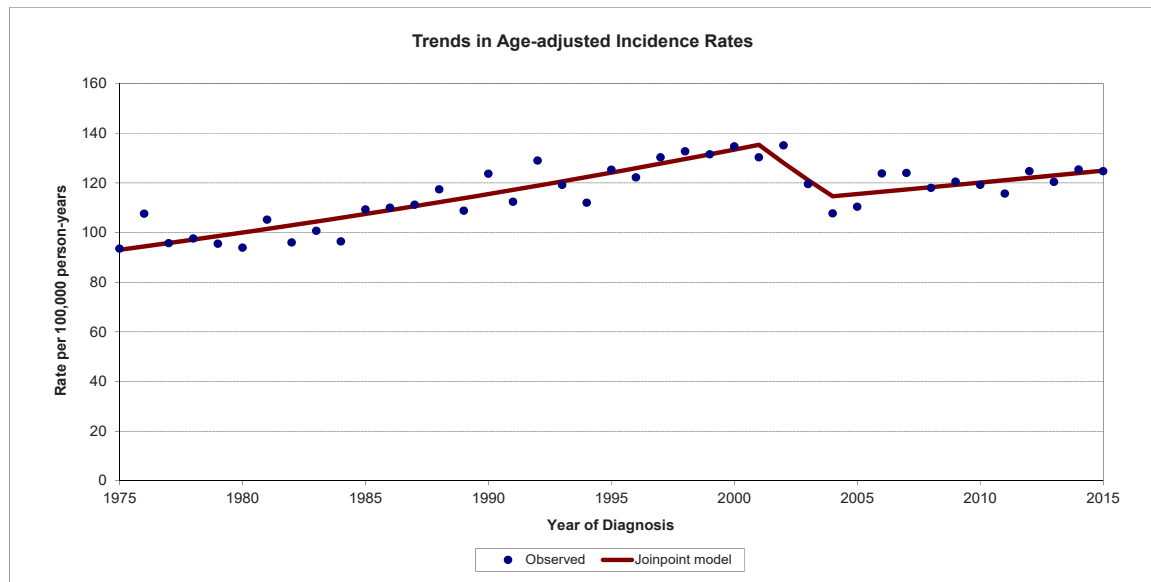
Malignant brain cancer incidence increased at a rate of about 1.4% per year in Idaho from 1975 to 1998, after which the rate has declined about 0.7% per year. Among males, malignant brain cancer incidence rates followed the same pattern. Among females, the rate has been stable 1975 to present.

## Brain and Other CNS, Non-Malignant



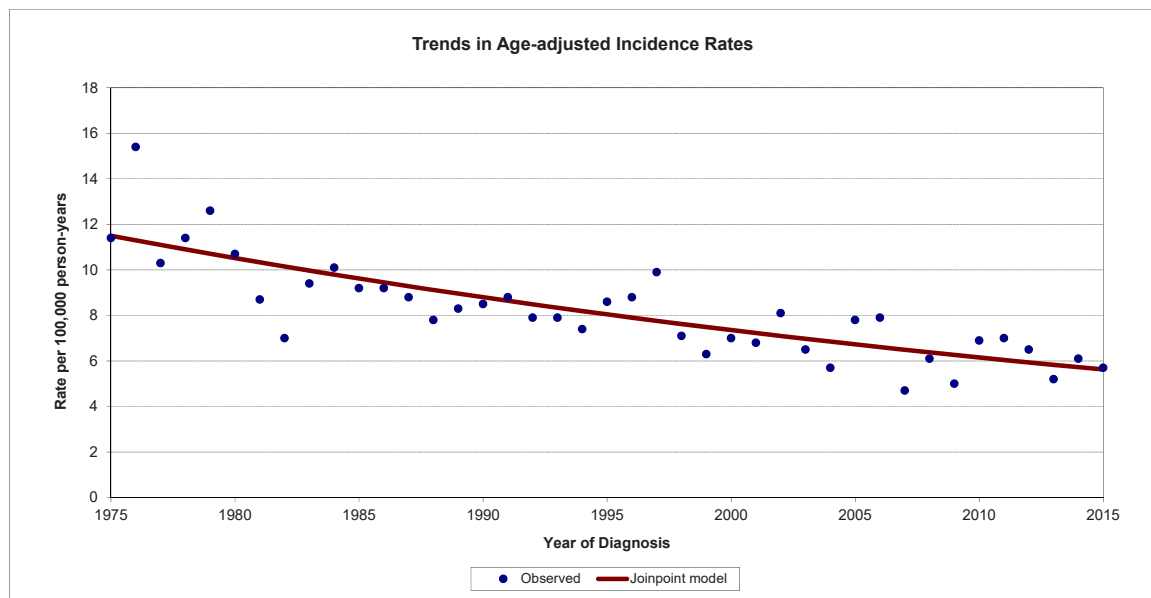
Non-malignant brain and other central nervous system tumors include those with benign and borderline behavior. Non-malignant brain and other CNS tumor incidence increased at a rate of about 17.2% per year in Idaho from 1975 to 1986, then increased by about 5.7% until 2007, after which the rate has been generally stable.

## Breast Female



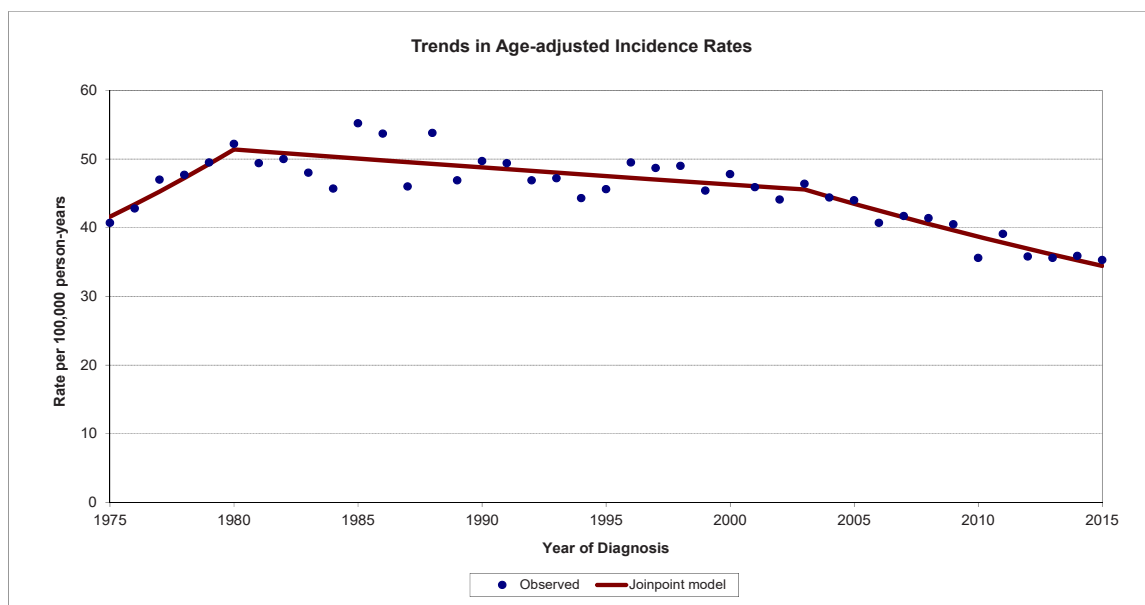
Invasive breast cancer incidence increased at a rate of about 1.5% per year among female Idahoans from 1975 to 2001. From 2001 to 2004, the rate decreased sharply by about 5.4% per year. This decrease may be due in part to a decrease in the use of hormone replacement therapy. Since 2004, the invasive breast cancer incidence rate has increased about 0.8% per year. In situ breast cancer rates increased at a rate of about 13.2% per year from 1975 to 1992, after which the rate of increase slowed to about 0.9% per year (data not shown).

## Cervix



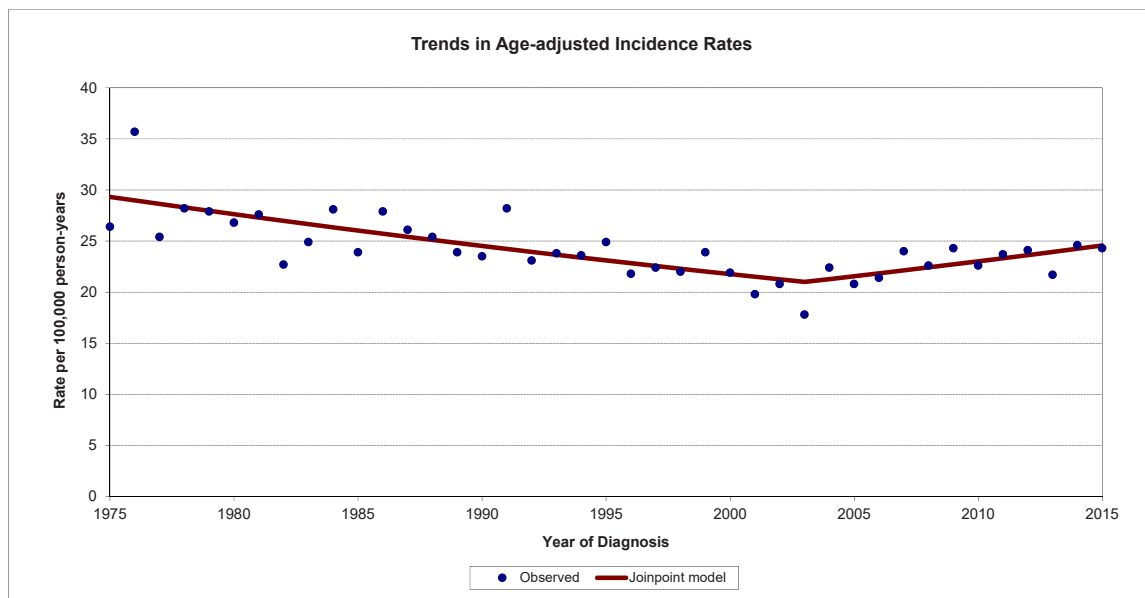
Invasive cervical cancer incidence has decreased about 1.8% per year in Idaho from 1975 to 2015.

## Colorectal



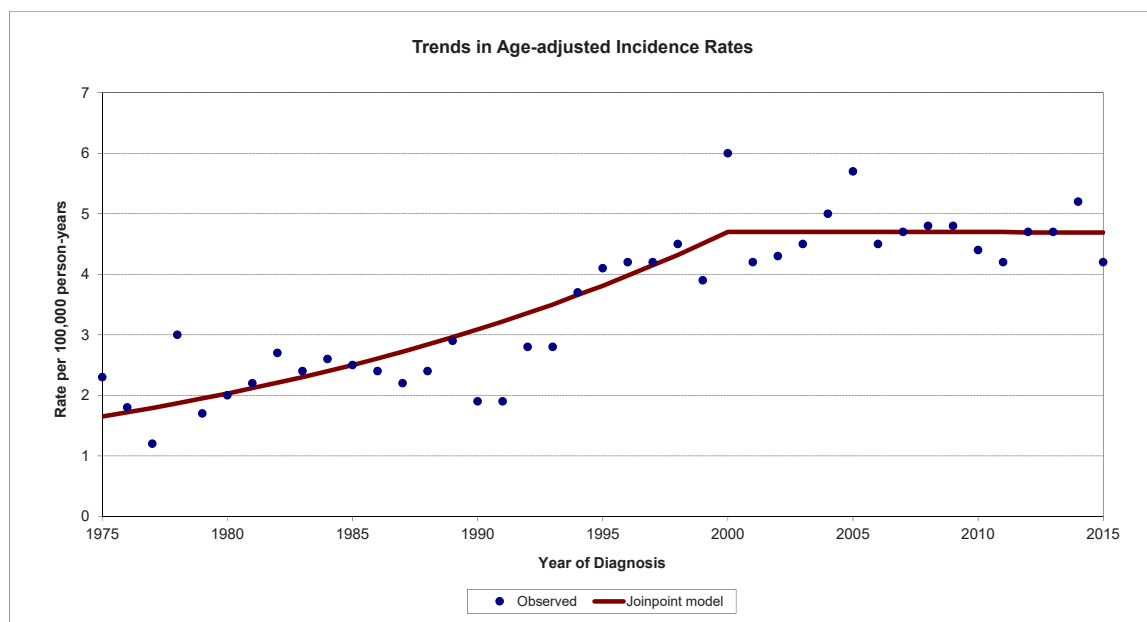
Colorectal cancer incidence increased at a rate of about 4.3% per year in Idaho from 1975 to 1980. From 1980 to 2003, the rate decreased about 0.5% per year, and then the rate decreased about 2.3% per year from 2003 to 2015. Colorectal cancer incidence trends over time were different for males and females. For males, rates increased from 1975 to 1988, then decreased. For females, rates were stable from 1975-2000, then decreased.

## Corpus Uteri



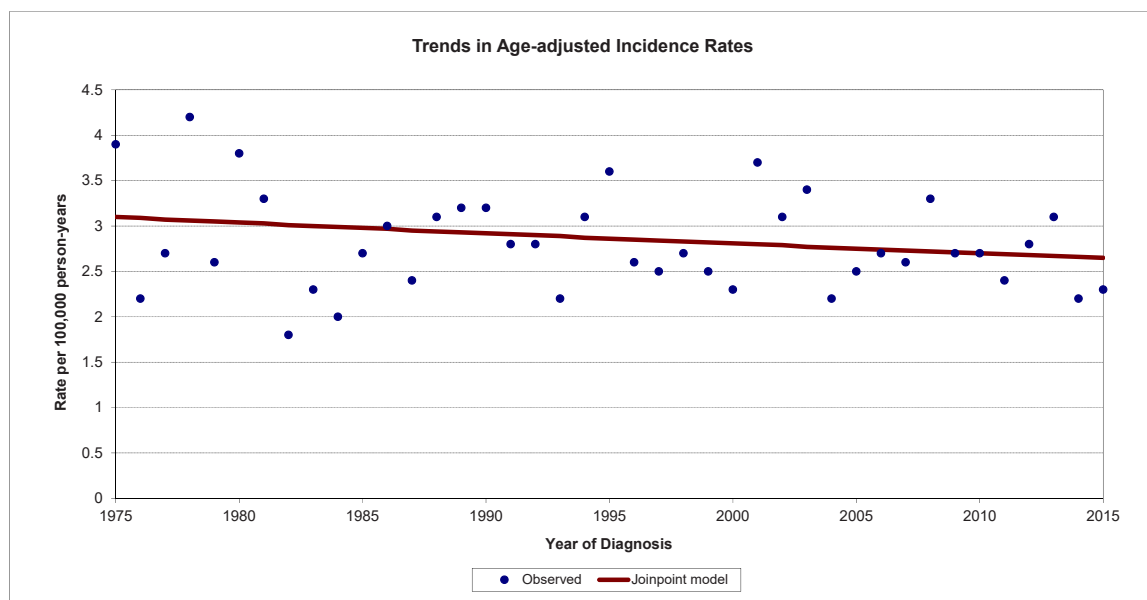
Corpus uteri cancer incidence rates decreased about 1.2% per year in Idaho from 1975 to 2003, and have increased by 1.3% per year since 2003.

## Esophagus



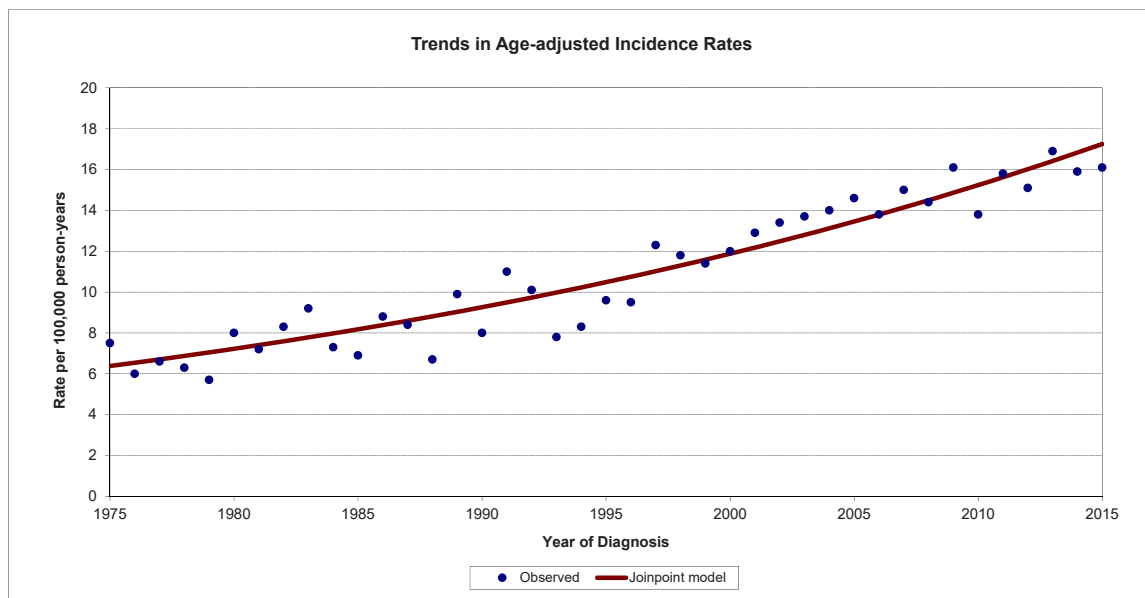
Esophageal cancer incidence increased at a rate of about 4.3% per year in Idaho from 1975 to 2000, after which the incidence rate has been stable. Rates of esophageal cancers among males were about 3-4 times higher than those among females.

## Hodgkin Lymphoma



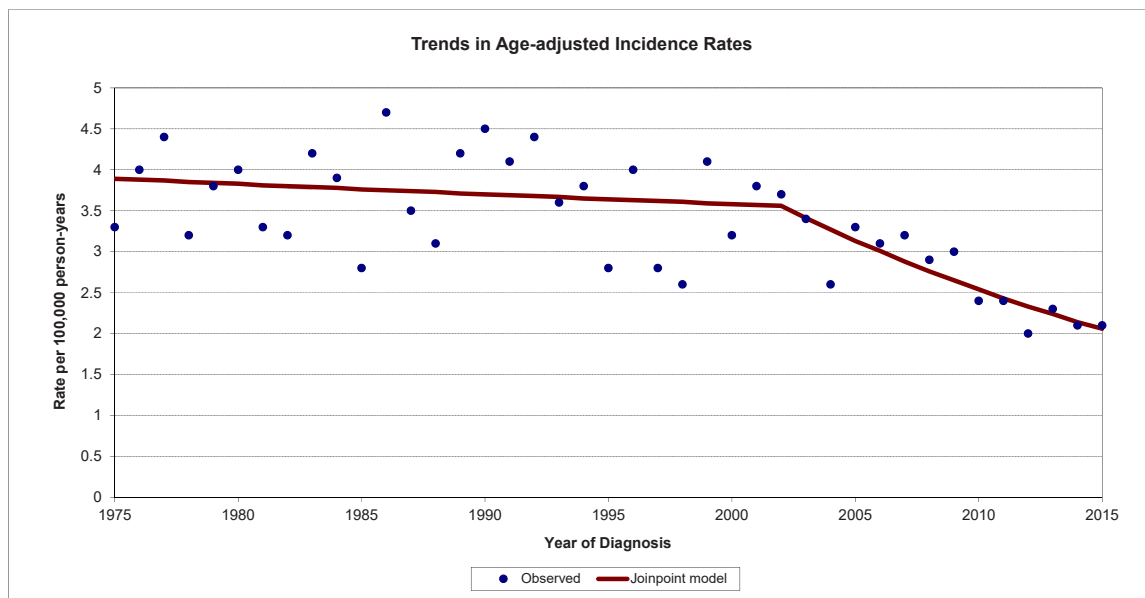
There was no statistically significant trend in Hodgkin lymphoma incidence in Idaho from 1975 to 2015; rates were stable but showed year-to-year variability due to the relatively small numbers of cases diagnosed annually.

## Kidney and Renal Pelvis



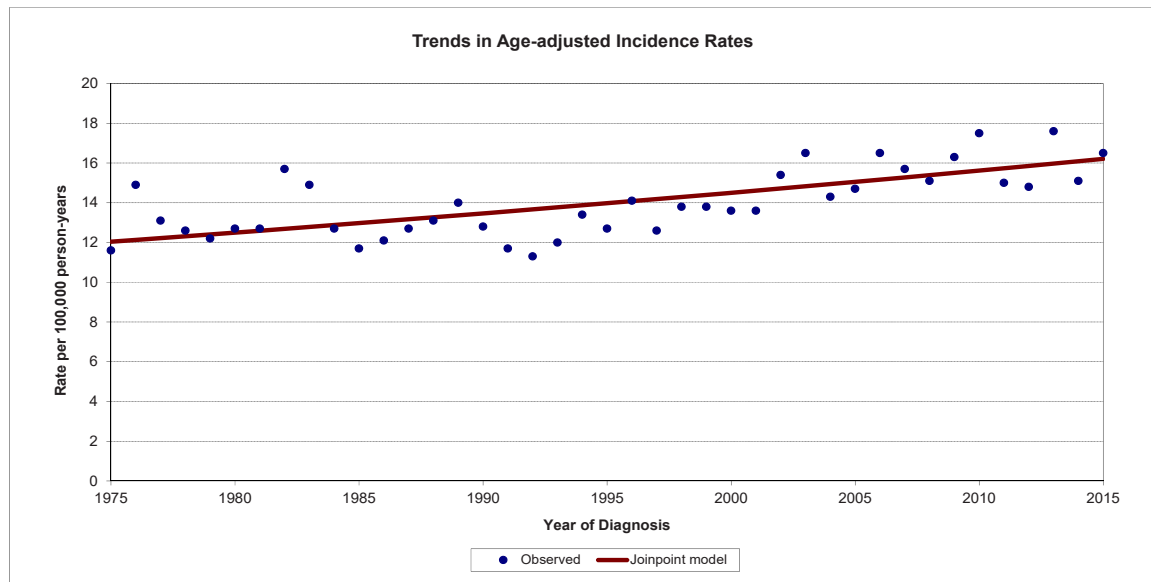
Kidney and renal pelvis cancer incidence increased at a rate of about 2.5% per year in Idaho from 1975 to 2015. The rate of increase was similar for males and females, although rates of kidney and renal pelvis cancers among males were about twice as high as among females.

## Larynx



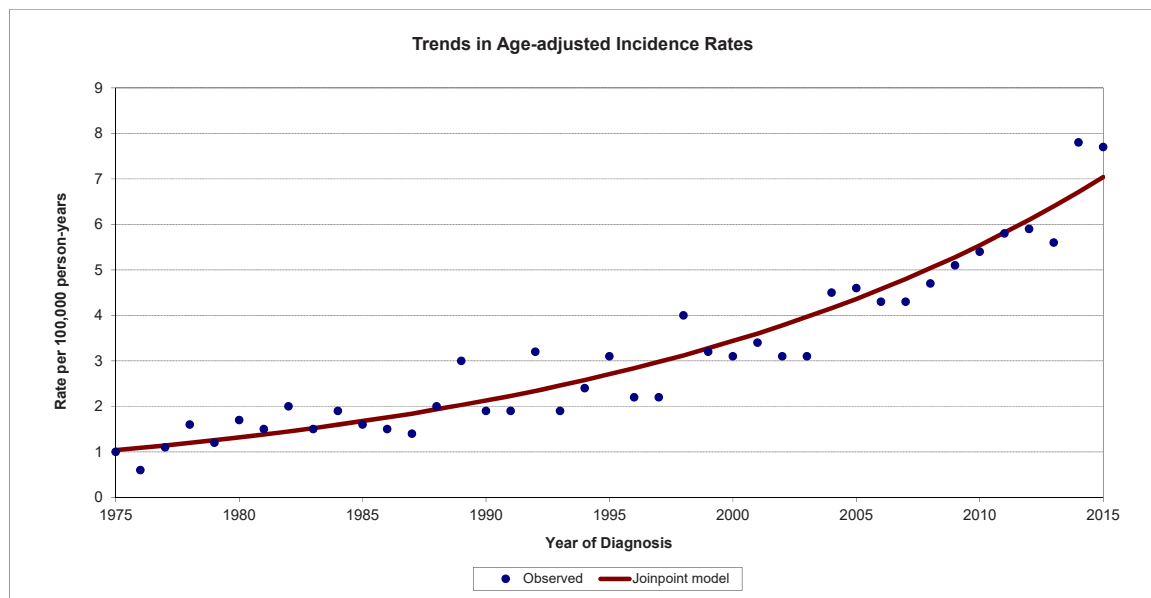
Laryngeal cancer incidence decreased about 0.3% per year in Idaho from 1975 to 2002, and decreased about 4.1% per year since 2002. Rates showed year-to-year variability due to the relatively small numbers of cases diagnosed annually. The temporal pattern was similar for males. Among females, incidence rates of laryngeal cancer decreased about 1.6% per year from 1975 to 2015. Incidence rates of laryngeal cancers among males were about 4 times as high as among females.

## Leukemia



Leukemia incidence has increased about 0.7% per year from 1975 to 2015. Rates showed year-to-year variability due to the relatively small numbers of cases diagnosed annually.

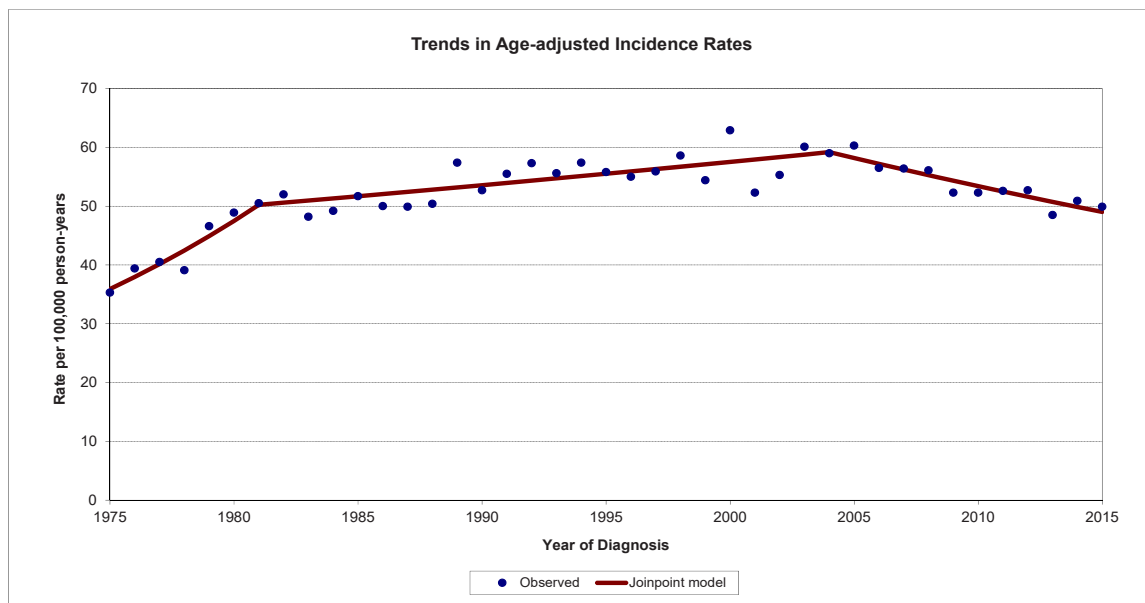
## Liver and Bile Duct



Liver cancer incidence increased at a rate of about 4.9% per year in Idaho from 1975 to 2015. The rate of increase was higher for males (5.5% per year) than for females (3.6% per year), and rates of liver cancers among males were about twice as high as among females.

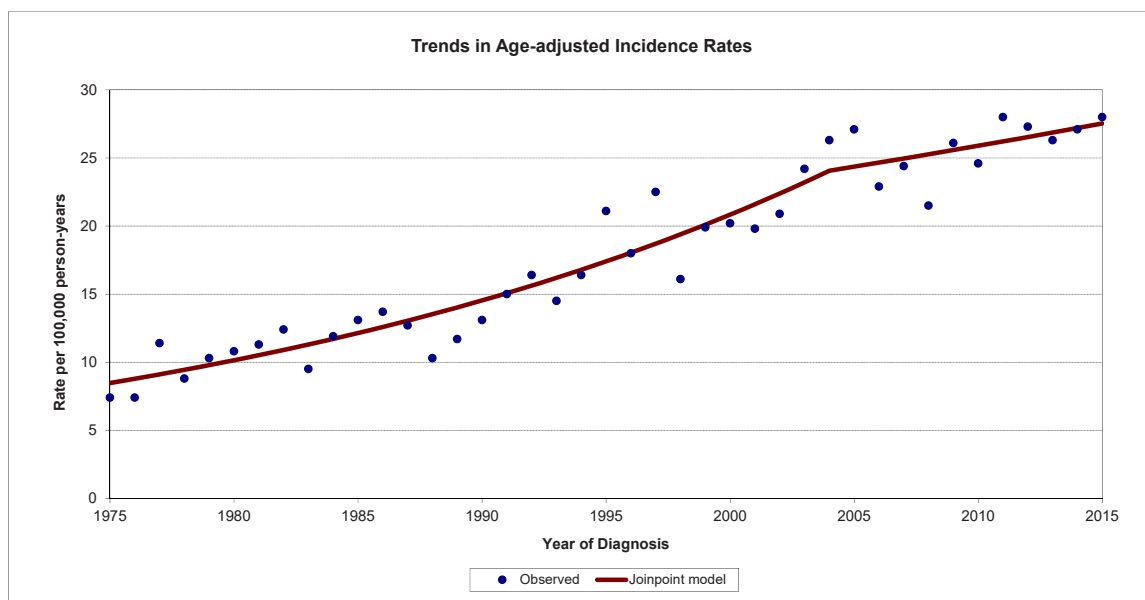


## Lung and Bronchus



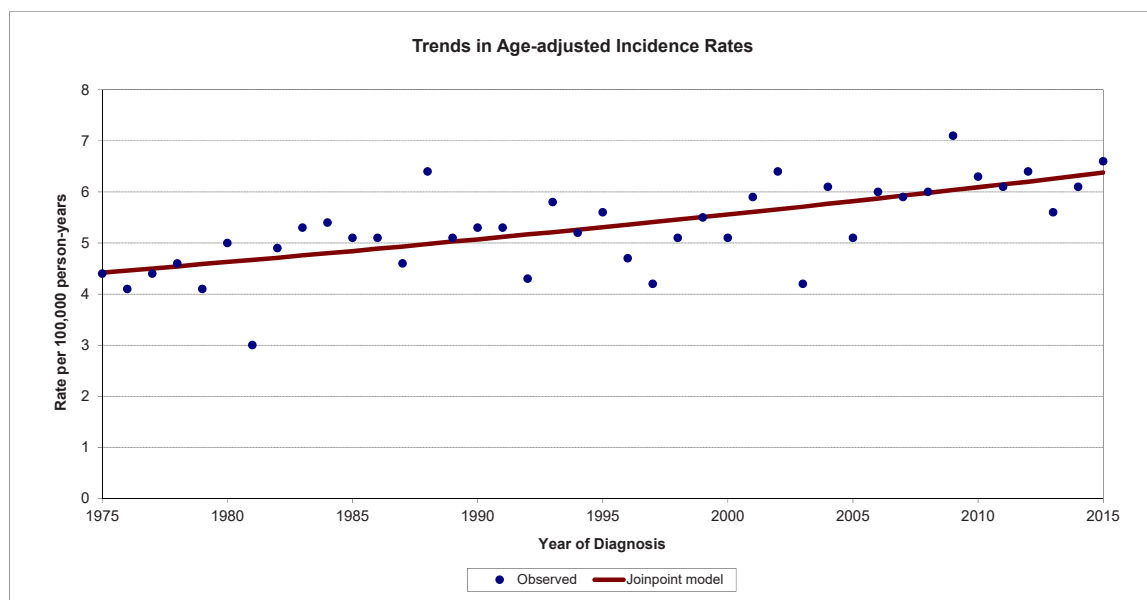
Lung cancer incidence increased at a rate of about 5.8% per year in Idaho from 1975 to 1981, after which the rate of increase lessened to about 0.7% per year until 2004. From 2004 to 2015, the rate has decreased about 1.7% per year. Lung cancer incidence trends over time were different for males and females. For males, lung cancer incidence increased at a rate of about 5.9% per year from 1975 to 1980, and then decreased by about 0.4% per year until 2003, after which it has decreased by about 2.4% per year. For females, lung cancer incidence increased at a rate of about 5.9% per year from 1975 to 1989, after which the rate of increase lessened to about 1.7% per year until 2006. From 2006 to 2015, there has been no statistically significant trend in lung cancer incidence among females. 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



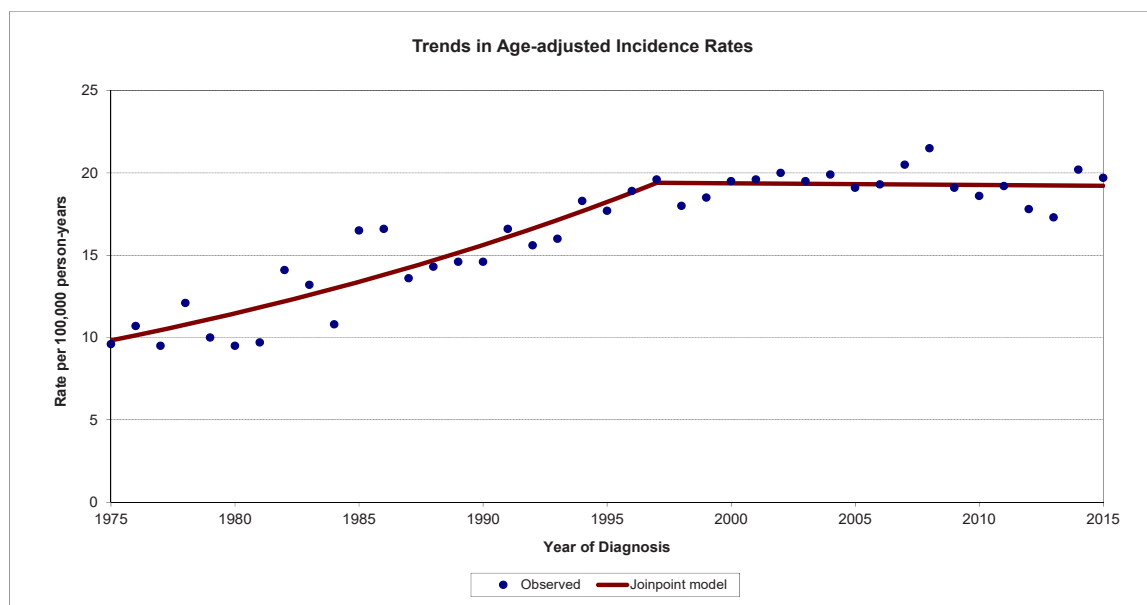
The incidence of melanoma of the skin increased at a rate of about 3.7% per year in Idaho from 1975 to 2004. Since 2004 there has been no statistically significant trend in melanoma incidence. The temporal pattern was similar for males. Among females, incidence rates of melanoma of the skin increased about 2.6% per year from 1975 to 2015. The incidence of in situ melanoma of the skin increased at a higher rate (6.6% per year from 1980 to 2015) than for the invasive cases depicted in the graph.

## Myeloma



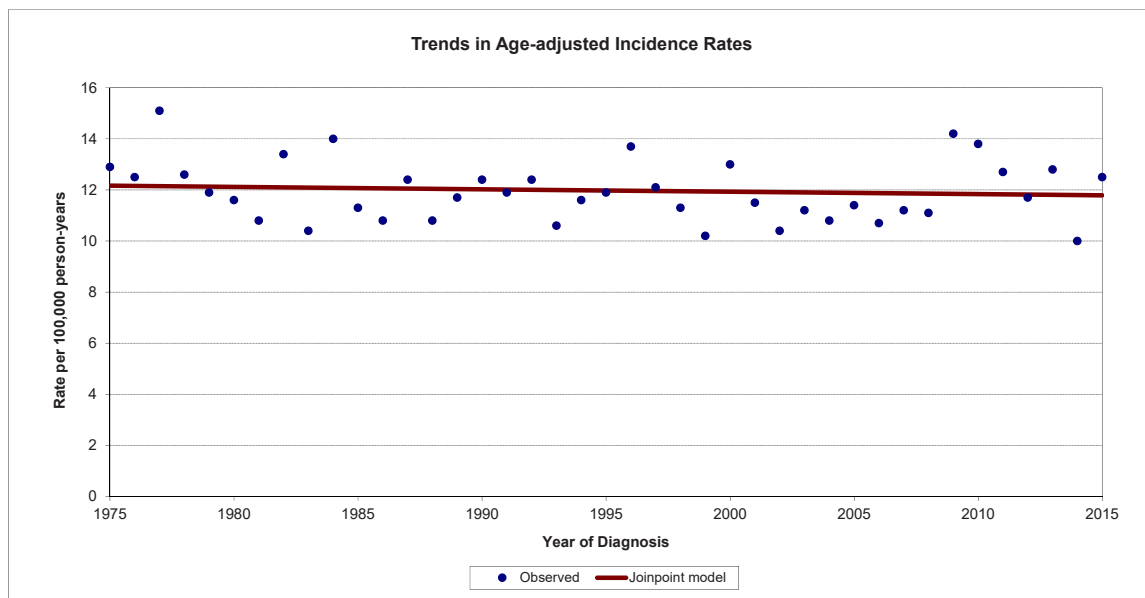
The incidence of myeloma increased at a rate of about 0.9% per year in Idaho from 1975 to 2015. The rate of increase was higher for males (1.3% per year) than for females (no significant trend), and rates of myeloma incidence among males were higher than among females.

## Non-Hodgkin Lymphoma



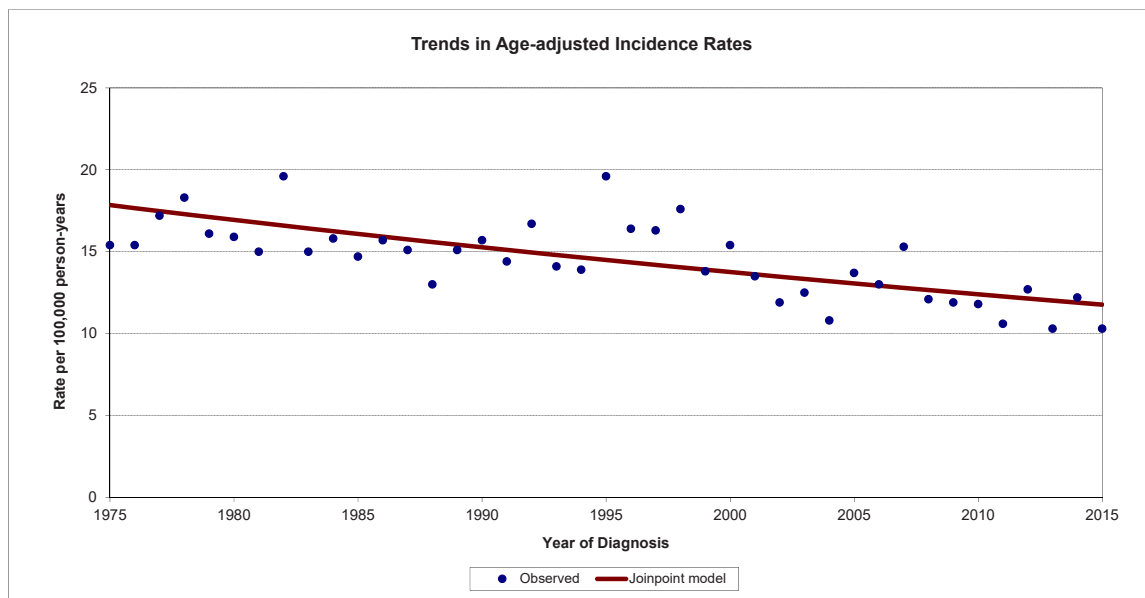
The incidence of non-Hodgkin lymphoma increased at a rate of about 3.1% per year in Idaho from 1975 to 1997, after which there has been no significant trend. Non-Hodgkin lymphoma incidence trends over time were similar for males and females, but rates of non-Hodgkin lymphoma incidence among males were higher than among females.

## Oral Cavity and Pharynx



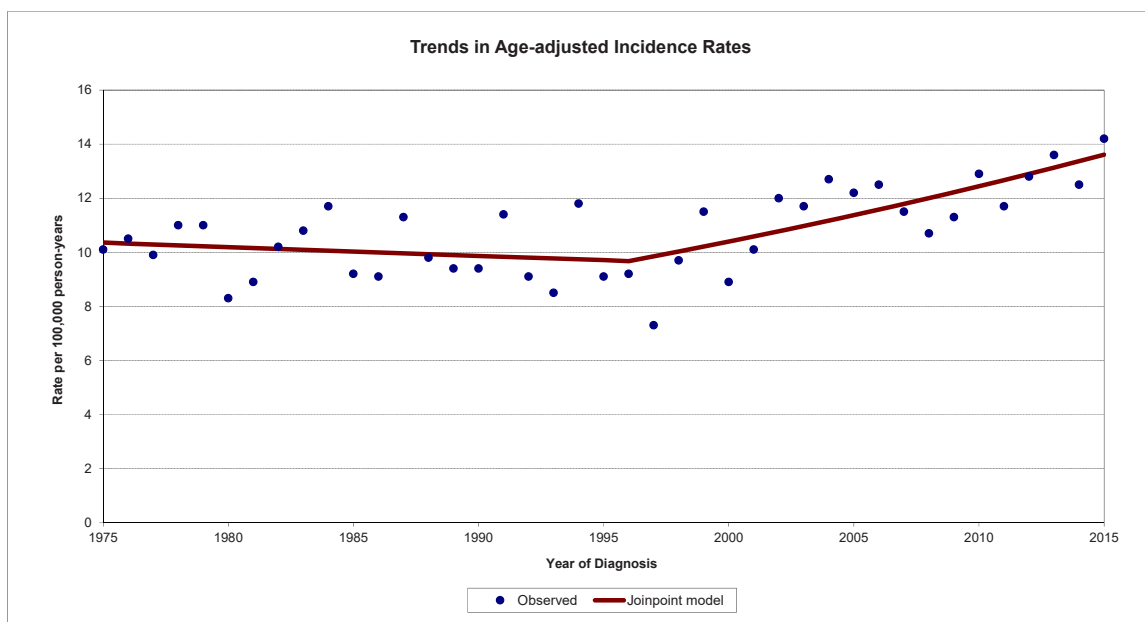
The incidence of cancers of the oral cavity and pharynx decreased at a rate of about 0.1% per year in Idaho from 1975 to 2015. Among males, the rate of decrease was about 0.5% per year for the entire time period. Among females, incidence of cancers of the oral cavity and pharynx increased at a rate of about 0.7% per year 1975 to 2015. 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



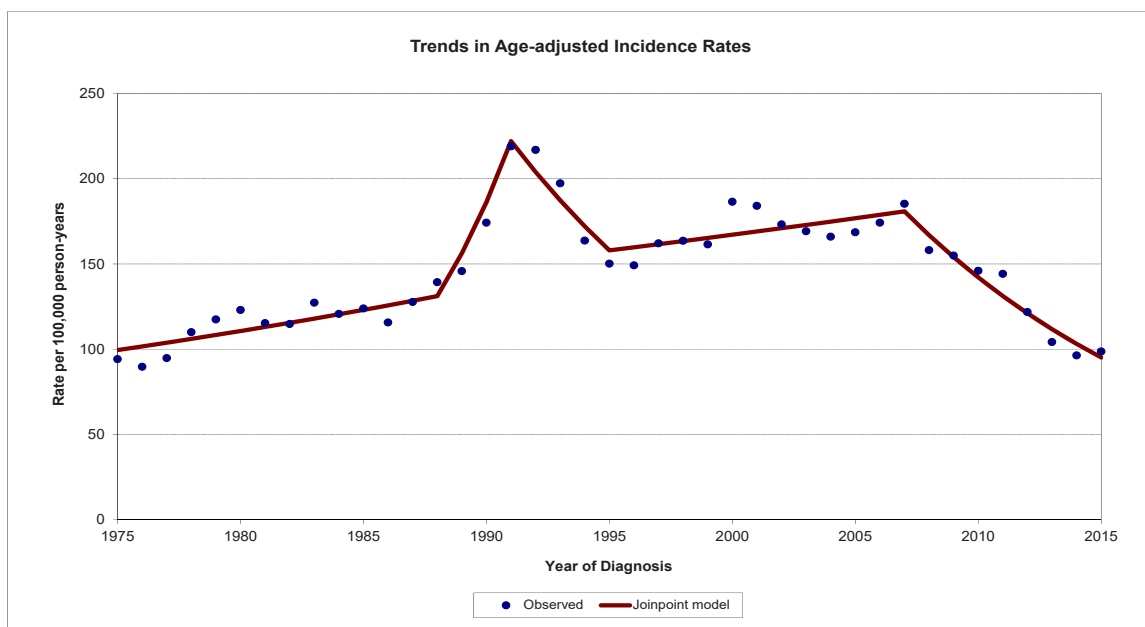
The incidence of ovarian cancer among females in Idaho decreased about 1.0% per year from 1975 to 2015. Part of the decrease in ovarian cancer incidence rates may have been due to a decrease in the use of hormone replacement therapy.

## Pancreas



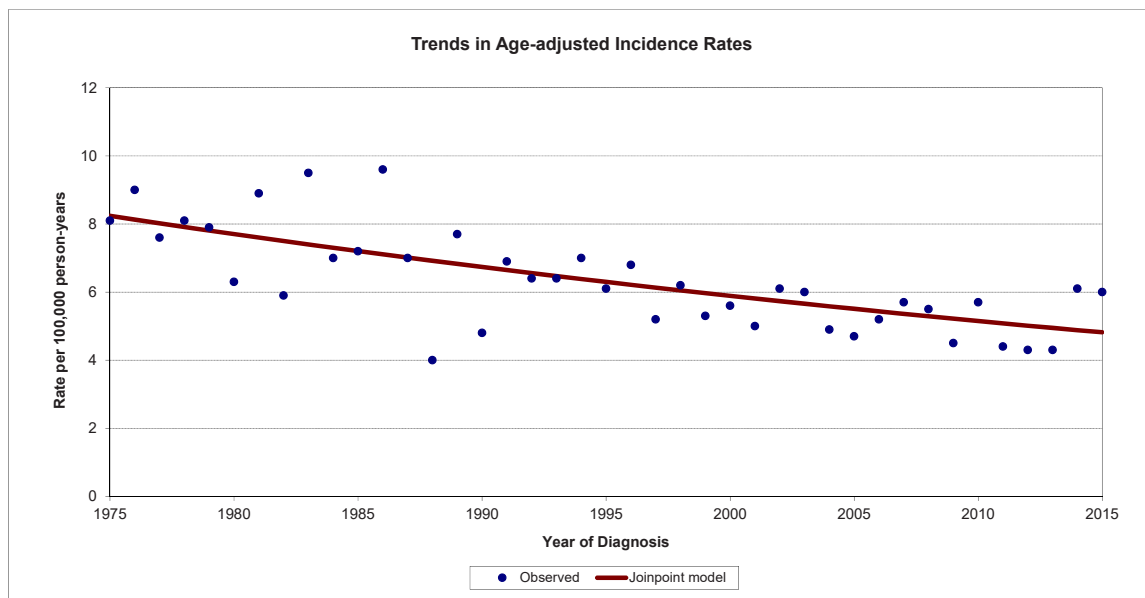
Pancreas cancer incidence decreased at a rate of 0.3% per year from 1975 to 1996, and increased at a rate of about 1.8% per year from 1996 to 2015. Pancreas cancer incidence trends over time were different for males and females. Among males, pancreas cancer incidence decreased about 1.1% per year from 1975-1999, and has increased about 2.5% per year since 1999. Among females, pancreas cancer increased about 1.2% per year from 1975-2015. Rates of pancreas cancer incidence among males were higher than among females.

## Prostate



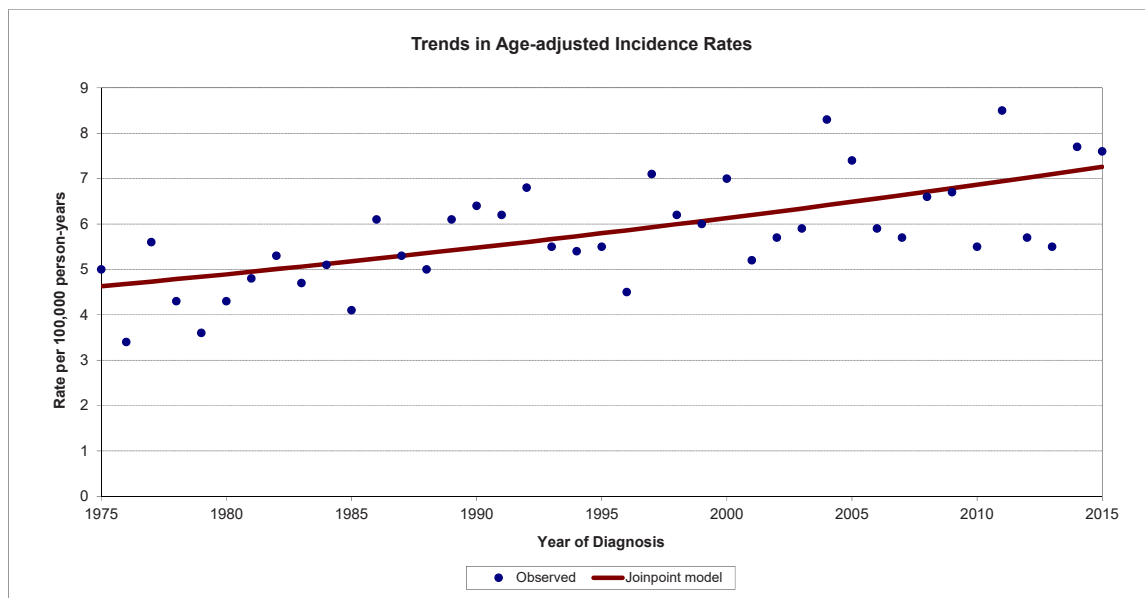
Trends in prostate cancer incidence are complicated, owing to the adoption of the Prostate-Specific Antigen (PSA) screening test in the late 1980s and early 1990s. From 1975 to 1988, prostate cancer incidence increased in Idaho at a rate of about 2.2% per year. From 1988 to 1991, prostate cancer incidence increased at a rate of about 19.2% per year. For the period 1991 to 1995, prostate cancer incidence rates decreased by about 8.2% per year. From 1995 to 2007, the rates increased about 1.1% per year, and from 2007 to 2015, the rate decreased about 7.7% per year. In May 2012, the United States Preventive Service Task Force issued a recommendation against PSA-based screening for prostate cancer in all age groups. Overall, there was an increasing trend in prostate cancer incidence from 1975 to 2007 punctuated by a large increase and concomitant decrease associated with widespread adoption of the PSA test, which likely detected many indolent cases. The prostate cancer incidence rates in 2014-2015 were similar to the rates at the beginning of the time series, before the adoption of the PSA test.

## Stomach



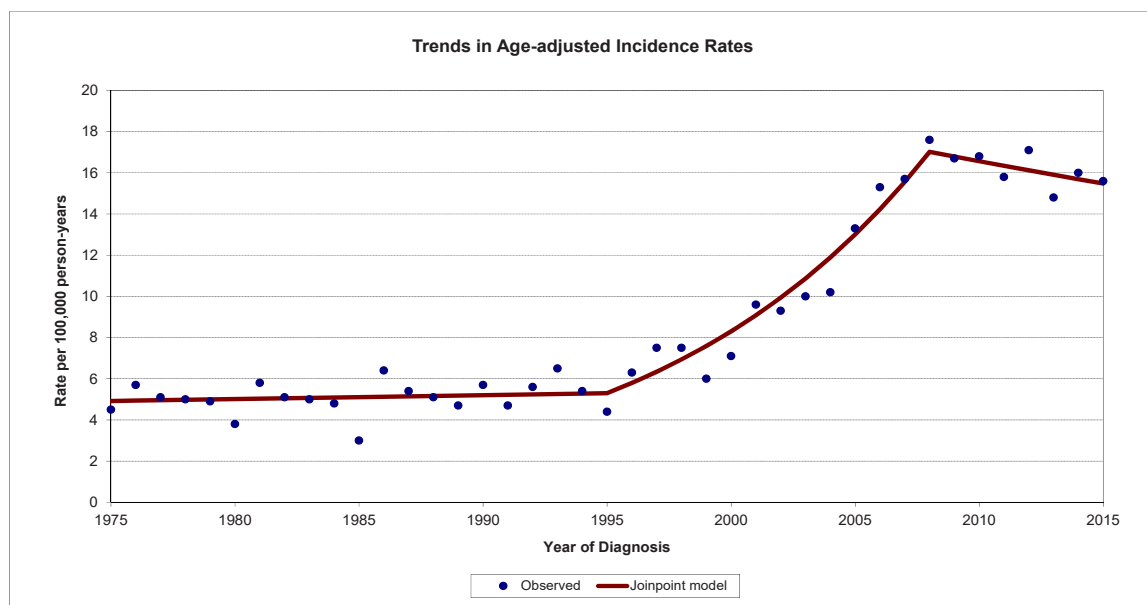
Stomach cancer incidence decreased at a rate of about 1.3% per year in Idaho from 1975 to 2015. Stomach cancer incidence trends over time were similar for males and females, although stomach cancer incidence rates among males were about twice as high as among females.

## Testis



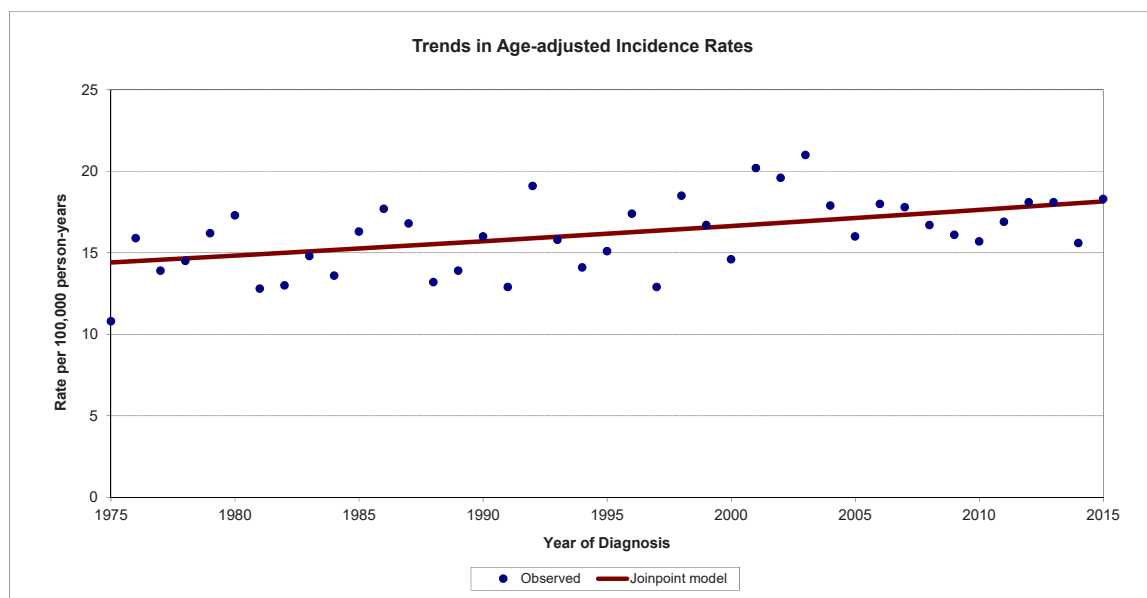
Testis cancer incidence increased at a rate of about 1.1% per year in Idaho from 1975 to 2015.

## Thyroid



Thyroid cancer incidence was essentially stable in Idaho from 1975 to 1995. From 1995-2008, thyroid cancer incidence increased at a rate of about 9.4% per year, and thyroid cancer incidence has been stable since 2008. Thyroid cancer incidence trends over time were different for males and females. For males, thyroid cancer incidence increased at a rate of about 4.0% per year from 1975 to 2015. Among females, the trend was similar to both sexes combined. 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 0.6% per year in Idaho from 1975 to 2015. 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: <https://www.idcancer.org/pediatriccancer>.

## **SECTION VIII**

### **CANCER INCIDENCE BY RACE AND ETHNICITY 2011-2015**

# Idaho Cancer Incidence Rates by Race and Ethnicity, 2011 - 2015

| Primary Site                        | All Races<br>(includes Hispanic) |        | White<br>Non-Hispanic |        | Hispanic<br>(any race) |       | Black |       | American<br>Indian/Alaska Native |       | Asian or Pacific<br>Islander |       |
|-------------------------------------|----------------------------------|--------|-----------------------|--------|------------------------|-------|-------|-------|----------------------------------|-------|------------------------------|-------|
|                                     | Rate                             | Cases  | Rate                  | Cases  | Rate                   | Cases | Rate  | Cases | Rate                             | Cases | Rate                         | Cases |
| All Sites                           | 440.0                            | 38,676 | 442.7                 | 35,865 | 342.8                  | 1,525 | 321.3 | 112   | 338.7                            | 372   | 268.1                        | 285   |
| Bladder                             | 21.6                             | 1,893  | 21.9                  | 1,799  | 12.3                   | 36    | ^     | ^     | 8.2                              | 10    | 11.0                         | 10    |
| Brain - malignant                   | 6.7                              | 570    | 6.8                   | 522    | 5.8                    | 33    | ^     | ^     | ^                                | ^     | ^                            | ^     |
| Brain and other CNS - non-malignant | 11.1                             | 945    | 11.3                  | 871    | 9.2                    | 48    | ^     | ^     | 7.2                              | 10    | ^                            | ^     |
| Breast                              | 122.2                            | 5,487  | 123.6                 | 5,102  | 94.2                   | 228   | ^     | ^     | 106.0                            | 62    | 72.4                         | 50    |
| Breast - in situ                    | 24.0                             | 1,053  | 24.6                  | 981    | 19.2                   | 50    | ^     | ^     | ^                                | ^     | ^                            | ^     |
| Cervix                              | 6.1                              | 241    | 5.7                   | 196    | 10.0                   | 33    | 0.0   | -     | ^                                | ^     | ^                            | ^     |
| Colorectal                          | 36.3                             | 3,151  | 36.3                  | 2,917  | 29.3                   | 120   | ^     | ^     | 42.1                             | 41    | 26.2                         | 27    |
| Corpus Uteri                        | 23.6                             | 1,112  | 23.6                  | 1,017  | 22.1                   | 57    | ^     | ^     | 12.9                             | 10    | 15.8                         | 11    |
| Esophagus                           | 4.6                              | 410    | 4.7                   | 390    | ^                      | ^     | 0.0   | -     | ^                                | ^     | ^                            | ^     |
| Hodgkin Lymphoma                    | 2.6                              | 206    | 2.6                   | 179    | 3.1                    | 23    | 0.0   | -     | ^                                | ^     | ^                            | ^     |
| Kidney and Renal Pelvis             | 16.0                             | 1,413  | 15.8                  | 1,295  | 17.7                   | 82    | ^     | ^     | 13.5                             | 14    | ^                            | ^     |
| Larynx                              | 2.2                              | 201    | 2.2                   | 193    | ^                      | ^     | 0.0   | -     | ^                                | ^     | ^                            | ^     |
| Leukemia                            | 16.0                             | 1,382  | 16.3                  | 1,282  | 10.9                   | 67    | ^     | ^     | 10.1                             | 13    | 8.9                          | 10    |
| Liver and Bile Duct                 | 6.6                              | 630    | 6.1                   | 532    | 13.3                   | 56    | ^     | ^     | 16.9                             | 20    | 8.5                          | 11    |
| Lung and Bronchus                   | 50.8                             | 4,493  | 51.3                  | 4,262  | 37.8                   | 124   | ^     | ^     | 56.2                             | 48    | 40.8                         | 36    |
| Melanoma of the Skin                | 27.3                             | 2,343  | 29.6                  | 2,295  | 8.2                    | 39    | ^     | ^     | ^                                | ^     | 0.0                          | -     |
| Myeloma                             | 6.2                              | 538    | 6.1                   | 501    | 6.7                    | 21    | ^     | ^     | ^                                | ^     | ^                            | ^     |
| Non-Hodgkin Lymphoma                | 18.9                             | 1,638  | 18.9                  | 1,522  | 16.4                   | 73    | ^     | ^     | ^                                | ^     | 10.9                         | 11    |
| Oral Cavity and Pharynx             | 11.9                             | 1,069  | 12.1                  | 996    | 9.0                    | 35    | 0.0   | -     | ^                                | ^     | ^                            | ^     |
| Ovary                               | 11.2                             | 511    | 11.4                  | 476    | 8.8                    | 23    | ^     | ^     | ^                                | ^     | ^                            | ^     |
| Pancreas                            | 13.0                             | 1,160  | 13.1                  | 1,093  | 10.8                   | 40    | ^     | ^     | ^                                | ^     | 14.9                         | 14    |
| Prostate                            | 112.2                            | 5,021  | 108.7                 | 4,535  | 78.5                   | 144   | 106.4 | 24    | 70.5                             | 40    | 52.6                         | 24    |
| Stomach                             | 5.1                              | 443    | 4.9                   | 403    | 4.7                    | 22    | ^     | ^     | ^                                | ^     | ^                            | ^     |
| Testis                              | 7.0                              | 263    | 7.4                   | 227    | 4.9                    | 29    | 0.0   | -     | ^                                | ^     | ^                            | ^     |
| Thyroid                             | 15.8                             | 1,275  | 16.1                  | 1,137  | 12.8                   | 89    | ^     | ^     | 13.1                             | 17    | 8.9                          | 12    |
| Pediatric Age 0 to 19               | 17.8                             | 420    | 18.8                  | 346    | 13.5                   | 56    | ^     | ^     | ^                                | ^     | ^                            | ^     |

## Notes:

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

Rates and case counts include all invasive and bladder in situ cases. Statistics for non-malignant brain and other CNS, and breast in situ categories are not included in the all sites totals

Rates and case counts for cancers of the breast, cervix, corpus uteri, and ovary are for females only, and rates and case counts for cancers of the prostate and testis are for males only.

Statistics for Black, American Indian/Alaska Native, and Asian or Pacific Islander include non-Hispanic and Hispanic ethnicity. All races category includes unknown race.

^ Statistic not displayed due to fewer than 10 cases.



## **SECTION IX**

### **CANCER SURVIVAL 2008-2014**

**Actual (Crude) Measures of Cancer Prognosis at 5 Years After Diagnosis  
Idaho Cases Diagnosed 2008-2014 Followed Through December 31, 2015**

| Primary Site                   | Single or First Primary Cancers Only |                      |             |          |                         |             |          | All Primaries |                         |             |          |
|--------------------------------|--------------------------------------|----------------------|-------------|----------|-------------------------|-------------|----------|---------------|-------------------------|-------------|----------|
|                                | N                                    | Using Cause of Death |             |          | Using Expected Survival |             |          | N             | Using Expected Survival |             |          |
|                                |                                      | Cancer Death         | Other Death | Survival | Cancer Death            | Other Death | Survival |               | Cancer Death            | Other Death | Survival |
| All Sites                      | 41,164                               | 31.1                 | 8.4         | 60.5     | 29.3                    | 8.7         | 62.0     | 47,875        | 30.9                    | 9.3         | 59.8     |
| Brain & Other Nervous System   | 594                                  | 74.2                 | 2.7         | 23.1     | 73.3                    | 1.6         | 25.1     | 673           | 75.3                    | 1.8         | 22.9     |
| Breast                         | 5,872                                | 12.2                 | 6.0         | 81.8     | 7.8                     | 8.6         | 83.6     | 7,024         | 8.5                     | 9.4         | 82.1     |
| Cervix Uteri                   | 308                                  | 33.3                 | 3.2         | 63.5     | 32.5                    | 2.3         | 65.2     | 322           | 32.5                    | 2.4         | 65.1     |
| Colon & Rectum                 | 3,440                                | 35.8                 | 9.6         | 54.6     | 32.4                    | 10.8        | 56.8     | 4,133         | 33.8                    | 11.4        | 54.8     |
| Corpus & Uterus, NOS           | 1,328                                | 21.0                 | 4.8         | 74.2     | 18.5                    | 5.9         | 75.6     | 1,511         | 19.8                    | 6.4         | 73.8     |
| Esophagus                      | 428                                  | 77.0                 | 9.0         | 14.0     | 80.0                    | 4.0         | 16.0     | 530           | 80.5                    | 4.4         | 15.1     |
| Hodgkin Lymphoma               | 259                                  | 9.4                  | 1.2         | 89.4     | 8.2                     | 1.9         | 89.9     | 281           | 10.9                    | 2.3         | 86.8     |
| Kidney & Renal Pelvis          | 1,385                                | 25.3                 | 9.6         | 65.1     | 25.5                    | 8.1         | 66.4     | 1,734         | 27.3                    | 9.0         | 63.7     |
| Larynx                         | 233                                  | 32.0                 | 10.9        | 57.1     | 33.9                    | 8.3         | 57.8     | 286           | 35.8                    | 8.8         | 55.4     |
| Leukemia                       | 1,261                                | 33.0                 | 9.4         | 57.6     | 31.6                    | 9.2         | 59.2     | 1,630         | 35.4                    | 9.7         | 54.9     |
| Liver & Intrahepatic Bile Duct | 556                                  | 79.5                 | 10.5        | 10.0     | 86.5                    | 2.4         | 11.1     | 673           | 85.8                    | 2.7         | 11.5     |
| Lung & Bronchus                | 4,375                                | 75.9                 | 9.7         | 14.4     | 79.4                    | 4.8         | 15.8     | 5,683         | 79.1                    | 5.3         | 15.6     |
| Melanoma of the Skin           | 2,293                                | 12.2                 | 6.3         | 81.5     | 8.2                     | 9.2         | 82.6     | 2,826         | 9.8                     | 10.6        | 79.6     |
| Mesothelioma                   | 87                                   | 90.6                 | 4.6         | 4.8      | 88.5                    | 4.4         | 7.1      | 126           | 87.1                    | 6.0         | 6.9      |
| Myeloma                        | 536                                  | 44.3                 | 14.0        | 41.7     | 45.0                    | 9.1         | 45.9     | 686           | 48.8                    | 9.8         | 41.4     |
| Non-Hodgkin Lymphoma           | 1,652                                | 29.1                 | 8.9         | 62.0     | 26.9                    | 9.4         | 63.7     | 2,109         | 29.3                    | 10.5        | 60.2     |
| Oral Cavity & Pharynx          | 1,118                                | 27.2                 | 10.4        | 62.4     | 27.3                    | 8.8         | 63.9     | 1,394         | 29.7                    | 9.9         | 60.4     |
| Ovary                          | 577                                  | 60.3                 | 3.6         | 36.1     | 55.1                    | 4.6         | 40.3     | 678           | 55.6                    | 5.0         | 39.4     |
| Pancreas                       | 1,067                                | 91.5                 | 2.7         | 5.8      | 90.8                    | 2.3         | 6.9      | 1,343         | 90.8                    | 2.6         | 6.6      |
| Prostate                       | 6,761                                | 7.7                  | 8.7         | 83.6     | 2.6                     | 13.1        | 84.3     | 7,482         | 3.4                     | 13.7        | 82.9     |
| Stomach                        | 450                                  | 68.9                 | 8.7         | 22.4     | 69.9                    | 5.5         | 24.6     | 555           | 69.2                    | 6.0         | 24.8     |
| Testis                         | 323                                  | 3.4                  | 1.3         | 95.3     | 4.3                     | 0.6         | 95.1     | 334           | 4.1                     | 1.4         | 94.5     |
| Thyroid                        | 1,562                                | 3.0                  | 2.4         | 94.6     | 2.0                     | 3.5         | 94.5     | 1,764         | 2.5                     | 4.2         | 93.3     |
| Urinary Bladder                | 1,836                                | 17.6                 | 16.0        | 66.4     | 16.7                    | 15.7        | 67.6     | 2,513         | 19.8                    | 16.8        | 63.4     |

Notes:

Actual (crude) measures of cancer survival include competing causes of death. Analysis includes all invasive and bladder in situ cases diagnosed among persons aged 15-99. See Technical Notes for more details.

N: Number of cases included in analysis.

^ Statistic not able to be calculated.

**Net Measures of Cancer Survival at 5 Years After Diagnosis**  
**Idaho Cases Diagnosed 2008-2014 Followed Through December 31, 2015**

| Primary Site                   | Single or First Primary Cancers Only |                                  |                     |                                  | All Primaries |                                  |
|--------------------------------|--------------------------------------|----------------------------------|---------------------|----------------------------------|---------------|----------------------------------|
|                                | N                                    | Cause Specific Survival (95% CI) |                     | Relative Survival Ratio (95% CI) | N             | Relative Survival Ratio (95% CI) |
| All Sites                      | 41,164                               | 65.9                             | (65.4, 66.4)        | 68.4 (67.8, 69.1)                | 47,875        | 67.3 (66.7, 67.9)                |
| Brain & Other Nervous System   | 594                                  | 26.7                             | (23.0, 30.4)        | 28.0 (24.4, 31.8)                | 673           | 27.5 (24.0, 31.2)                |
| Breast                         | 5,872                                | 86.4                             | (85.1, 87.5)        | 92.2 (90.6, 93.5)                | 7,024         | 91.2 (89.7, 92.4)                |
| Cervix Uteri                   | 308                                  | 57.7                             | (50.8, 64.0)        | 56.8 (49.9, 63.0)                | 322           | 57.8 (51.0, 64.0)                |
| Colon & Rectum                 | 3,440                                | 62.2                             | (60.3, 64.1)        | 65.9 (63.6, 68.1)                | 4,133         | 64.9 (62.8, 67.0)                |
| Corpus & Uterus, NOS           | 1,328                                | 72.9                             | (69.3, 76.1)        | 75.3 (71.3, 78.8)                | 1,511         | 74.5 (70.8, 77.8)                |
| Esophagus                      | 428                                  | <b>17.9</b>                      | <b>(13.9, 22.4)</b> | <b>18.0 (13.8, 22.7)</b>         | 530           | <b>17.3 (13.5, 21.4)</b>         |
| Hodgkin Lymphoma               | 259                                  | 87.8                             | (82.8, 91.4)        | 89.5 (83.8, 93.3)                | 281           | 87.8 (82.6, 91.5)                |
| Kidney & Renal Pelvis          | 1,385                                | 70.5                             | (67.3, 73.3)        | 70.3 (66.2, 74.0)                | 1,734         | 69.8 (66.4, 73.0)                |
| Larynx                         | 233                                  | 65.7                             | (57.6, 72.6)        | 62.6 (53.4, 70.5)                | 286           | 61.2 (52.5, 68.9)                |
| Leukemia                       | 1,261                                | 64.9                             | (61.9, 67.7)        | 66.1 (62.3, 69.5)                | 1,630         | 63.4 (60.2, 66.5)                |
| Liver & Intrahepatic Bile Duct | 556                                  | <b>13.6</b>                      | <b>(10.0, 17.7)</b> | <b>12.0 (8.6, 15.9)</b>          | 673           | 11.0 (7.8, 14.7)                 |
| Lung & Bronchus                | 4,375                                | 20.2                             | (18.6, 21.9)        | 19.5 (17.8, 21.2)                | 5,683         | 19.8 (18.3, 21.4)                |
| Melanoma of the Skin           | 2,293                                | 87.7                             | (85.9, 89.2)        | 91.0 (89.1, 92.6)                | 2,826         | 89.6 (87.9, 91.1)                |
| Mesothelioma                   | 87                                   | <b>5.1</b>                       | <b>(1.1, 13.7)</b>  | <b>8.0 (1.9, 19.9)</b>           | 126           | <b>8.6 (2.4, 20.1)</b>           |
| Myeloma                        | 536                                  | 53.9                             | (48.8, 58.7)        | 54.5 (48.7, 59.9)                | 686           | 52.2 (47.2, 57.1)                |
| Non-Hodgkin Lymphoma           | 1,652                                | 68.8                             | (66.2, 71.2)        | 70.9 (67.7, 73.8)                | 2,109         | 70.0 (67.3, 72.6)                |
| Oral Cavity & Pharynx          | 1,118                                | 68.6                             | (65.2, 71.9)        | 69.3 (64.7, 73.3)                | 1,394         | 67.5 (63.7, 71.0)                |
| Ovary                          | 577                                  | 33.9                             | (29.7, 38.2)        | 38.3 (33.4, 43.2)                | 678           | 38.7 (34.2, 43.2)                |
| Pancreas                       | 1,067                                | 7.8                              | (5.9, 10.1)         | 8.7 (6.6, 11.1)                  | 1,343         | 8.8 (6.8, 11.1)                  |
| Prostate                       | 6,761                                | 90.7                             | (89.8, 91.5)        | 96.2 (94.7, 97.3)                | 7,482         | 95.2 (94.0, 96.2)                |
| Stomach                        | 450                                  | 28.7                             | (24.0, 33.6)        | 28.3 (23.3, 33.4)                | 555           | 29.6 (25.0, 34.4)                |
| Testis                         | 323                                  | <b>96.6</b>                      | <b>(93.7, 98.2)</b> | <b>95.7 (92.4, 97.6)</b>         | 334           | <b>95.9 (91.9, 97.9)</b>         |
| Thyroid                        | 1,562                                | 94.4                             | (92.4, 95.9)        | 95.0 (92.1, 96.8)                | 1,764         | 95.3 (92.7, 97.0)                |
| Urinary Bladder                | 1,836                                | 82.4                             | (80.3, 84.3)        | 82.9 (79.7, 85.6)                | 2,513         | 80.6 (77.9, 83.0)                |

Notes:

Net measures of cancer survival exclude competing causes of death. Analysis includes all invasive and bladder in situ cases diagnosed among persons aged 15-99. Age standardized to the International Cancer Survival Standards. Statistics in bold italics could not be age standardized; unstandardized measure shown instead. See Technical Notes for more details.

N: Number of cases included in analysis; CI: Confidence Interval.

^ Statistic not able to be calculated.



# REFERENCES

1. Fritz A, Percy C, Jack A, Shanmugaratnam K, Sobin L, Parkin D, Whelan S. *International Classification of Diseases for Oncology*. 3rd ed. Geneva, Switzerland: World Health Organization; 2000.
2. Young JL Jr., Roffers SD, Reis LAG, Fritz AG, Hurlbut AA (eds). *SEER Summary Staging Manual – 2000: Codes and Coding Instructions*. National Cancer Institute, NIH Pub. No. 01-4969, Bethesda, MD, 2001.
3. Edge SB, Byrd DR, Compton CC, Fritz AG, Greene FL, Trotti A (eds). *AJCC Cancer Staging Manual, 7th Edition*. American Joint Committee on Cancer, Chicago IL. Springer: 2010.
4. Collaborative Stage Work Group of the American Joint Committee on Cancer. *Collaborative Stage Data Collection System Coding Instructions, version 02.05*, released October 2013. Available at: <https://cancerstaging.org/cstage/software/Pages/Version-02.05.aspx>.
5. Thornton ML, (ed). *Standards for Cancer Registries Volume II: Data Standards and Data Dictionary, Record Layout Version 15, 19th ed*. Springfield, Ill.: North American Association of Central Cancer Registries, October 2014, revised February 2015. Available at: <https://www.naaccr.org/data-standards-data-dictionary/>.
6. Adamo MB, Dickie LA, Ruhl JL, (eds). *SEER Program Coding and Staging Manual 2015*. National Cancer Institute; Bethesda, MD. NIH Pub. No. 15-5581 Available at: [https://seer.cancer.gov/archive/manuals/2015/SPCSM\\_2015\\_maindoc.pdf](https://seer.cancer.gov/archive/manuals/2015/SPCSM_2015_maindoc.pdf).
7. Commission on Cancer. *Facility Oncology Registry Data Standards (FORDS): Revised for 2015*. Chicago, IL: American College of Surgeons Commission on Cancer. Available at: <https://www.facs.org/~media/files/quality%20programs/cancer/coc/fords/fords%202015.ashx>.
8. Johnson CH, Peace S, Adamo P, Fritz A, Percy-Laurry A, Edwards BK. *The 2007 Multiple Primary and Histology Coding Rules*. National Cancer Institute, Surveillance, Epidemiology and End Results Program. Bethesda, MD, 2007. Available at: <https://seer.cancer.gov/tools/mphrules>.
9. Ruhl J, Adamo M, Dickie L. (January 2015). *Hematopoietic and Lymphoid Neoplasm Coding Manual*. National Cancer Institute, Bethesda, MD. Available at: [https://seer.cancer.gov/tools/heme/Hematopoietic\\_Instructions\\_and\\_Rules.pdf](https://seer.cancer.gov/tools/heme/Hematopoietic_Instructions_and_Rules.pdf).
10. Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov)) SEER\*Stat Database: National Program of Cancer Registries (NPCR) and SEER Incidence Public Use Data, 2001-2014, released June 2017. These data were provided by central cancer registries participating in the NPCR and SEER Programs and submitted in November 2016.
11. *Cancer in North America: 2010-2014, Volume Two: Registry-Specific Cancer Incidence in the United States and Canada*. Springfield, Ill.: North American Association of Central Cancer Registries, June 2017, pp 151-160. Available at: <https://www.naaccr.org/cancer-in-north-america-cina-volumes/#Vol2>.
12. National Center for Health Statistics. Vintage 2016 postcensal estimates of the resident population of the United States (April 1, 2010, July 1, 2010-July 1, 2016), by year, county, single-year of age (0, 1, 2,... 85 years and over), bridged race, Hispanic origin, and sex. Prepared under a collaborative arrangement with the U.S. Census Bureau. Available from: [http://www.cdc.gov/nchs/nvss/bridged\\_race.htm](http://www.cdc.gov/nchs/nvss/bridged_race.htm) as of June 26, 2017, following release by the U.S. Census Bureau of the unbridged Vintage 2016 postcensal estimates by 5-year age group on June 22, 2017.
13. Schottenfeld D, Fraumeni JF Jr. (Eds). *Cancer Epidemiology and Prevention*. New York: Oxford University Press; 1996.
14. Lenhard RE, Osteen RT, Gansler T (Eds). *Clinical Oncology*. The American Cancer Society, Inc.: Atlanta; 2001.
15. *Report on Carcinogens, Eleventh Edition*; U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program; 2005.
16. Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov)) SEER\*Stat Database: Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2016 Sub (2000-2014) <Katrina/Rita Population Adjustment> - Linked To County Attributes - Total U.S., 1969-2015 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, released April 2017, based on the November 2016 submission.
17. DevCan: Probability of Developing or Dying of Cancer Software, Version 6.7.3; Statistical Research and Applications Branch, National Cancer Institute, 2005. Available at: <https://surveillance.cancer.gov/devcan>.
18. Joinpoint Regression Program, Version 4.2.0.2. June 2015; Statistical Research and Applications Branch, National Cancer Institute. Available at: <https://surveillance.cancer.gov/joinpoint>.
19. Final 2015 mortality data, Bureau of Vital Records and Health Statistics, Idaho Department of Health and Welfare; October 2016.

20. Cronin KA, Feuer EJ. Cumulative cause-specific mortality for cancer patients in the presence of other causes: a crude analogue of relative survival. *Stat Med* 2000 Jul 15;19(13):1729-40.
21. Ellison LF. Adjusting relative survival estimates for cancer mortality in the general population. Statistics Canada, Catalogue no. 82-003-X, *Health Reports*, Vol. 25, no. 11, pp. 3-9, November 2014.
22. Howlader N, Ries LA, Mariotto AB, Reichman ME, Ruhl J, Cronin KA. Improved Estimates of Cancer-Specific Survival Rates From Population-Based Data. *J Natl Cancer Inst* 2010 Oct 20;102(20):1584-98. Epub 2010 Oct 11.
23. Ederer F, Heise H (1959). Instructions to IBM 650 programmers in processing survival computations, methodological note 10. End Results Evaluation Section, National Cancer Institute.
24. Mariotto AB, Zou J, Johnson CJ, Weir HK, Scoppa S, Huang B. Geographical, racial and socio-economic variation in life expectancy in the US and their impact on cancer relative survival. Submitted 2017.
25. Corazziari I, Quinn M, Capocaccia R. Standard cancer patient population for age standardising survival ratios. *Eur J Cancer*. 2004 Oct;40(15):2307-16.

## **APPENDICES**

## APPENDIX A

### 2000 U.S. STANDARD POPULATION

| Age Group | 2000 US Standard<br>Population<br>(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, 2017.<sup>16</sup>



## APPENDIX B

### 2015 POPULATION BY HEALTH DISTRICT, GENDER, AND AGE GROUP

|                | HD 1           | HD 2           | HD 3           | HD 4           | HD 5           | HD 6           | HD 7           | STATE            |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| <b>Males</b>   |                |                |                |                |                |                |                |                  |
| < 5            | 6,631          | 3,031          | 11,178         | 14,758         | 7,477          | 6,600          | 9,065          | 57,892           |
| 5 to 9         | 7,168          | 3,084          | 12,044         | 17,157         | 8,208          | 7,153          | 9,171          | 63,283           |
| 10 to 14       | 7,482          | 3,031          | 11,791         | 17,681         | 7,697          | 7,099          | 8,756          | 63,043           |
| 15 to 19       | 7,167          | 4,023          | 12,130         | 16,468         | 6,937          | 6,665          | 8,075          | 59,834           |
| 20 to 24       | 6,362          | 6,018          | 12,725         | 15,923         | 6,056          | 5,585          | 9,666          | 58,371           |
| 25 to 29       | 6,284          | 3,703          | 10,034         | 17,552         | 5,916          | 5,640          | 7,582          | 54,823           |
| 30 to 34       | 6,596          | 3,241          | 9,911          | 17,766         | 6,332          | 5,709          | 7,052          | 55,190           |
| 35 to 39       | 6,389          | 2,900          | 9,416          | 16,903         | 6,288          | 5,409          | 6,771          | 53,052           |
| 40 to 44       | 6,455          | 2,772          | 9,065          | 16,261         | 5,457          | 4,554          | 5,693          | 49,394           |
| 45 to 49       | 6,717          | 2,853          | 8,698          | 15,792         | 5,293          | 4,306          | 5,297          | 48,193           |
| 50 to 54       | 7,485          | 3,288          | 8,914          | 15,565         | 5,812          | 4,750          | 5,789          | 50,716           |
| 55 to 59       | 8,161          | 3,662          | 9,107          | 14,879         | 6,023          | 5,214          | 5,880          | 51,671           |
| 60 to 64       | 8,102          | 3,622          | 8,408          | 13,472         | 5,453          | 4,891          | 5,287          | 47,999           |
| 65 to 69       | 7,620          | 3,271          | 7,519          | 11,551         | 4,565          | 3,962          | 4,344          | 41,842           |
| 70 to 74       | 5,454          | 2,379          | 5,608          | 7,443          | 3,474          | 2,824          | 3,100          | 29,732           |
| 75 to 79       | 3,719          | 1,715          | 3,742          | 4,736          | 2,424          | 1,942          | 2,157          | 20,083           |
| 80 to 84       | 2,258          | 1,143          | 2,342          | 2,953          | 1,590          | 1,307          | 1,376          | 12,647           |
| 85+            | 1,621          | 974            | 1,973          | 2,760          | 1,310          | 1,098          | 1,132          | 10,512           |
| <b>Total</b>   | <b>111,671</b> | <b>54,710</b>  | <b>154,605</b> | <b>239,620</b> | <b>96,312</b>  | <b>84,708</b>  | <b>106,193</b> | <b>828,277</b>   |
|                |                |                |                |                |                |                |                |                  |
|                | HD 1           | HD 2           | HD 3           | HD 4           | HD 5           | HD 6           | HD 7           | STATE            |
| <b>Females</b> |                |                |                |                |                |                |                |                  |
| < 5            | 6,458          | 2,928          | 10,877         | 14,157         | 7,105          | 6,367          | 8,874          | 55,833           |
| 5 to 9         | 6,677          | 2,869          | 11,421         | 16,259         | 7,827          | 6,806          | 8,715          | 59,940           |
| 10 to 14       | 7,191          | 2,749          | 11,207         | 16,885         | 7,527          | 6,714          | 8,512          | 60,450           |
| 15 to 19       | 6,701          | 3,780          | 11,441         | 15,355         | 6,366          | 6,028          | 8,780          | 56,841           |
| 20 to 24       | 5,747          | 5,029          | 11,651         | 13,902         | 5,725          | 5,255          | 8,593          | 52,645           |
| 25 to 29       | 6,577          | 3,318          | 10,312         | 16,695         | 5,881          | 5,781          | 7,240          | 54,092           |
| 30 to 34       | 6,533          | 2,968          | 9,846          | 16,625         | 6,220          | 5,555          | 6,852          | 53,365           |
| 35 to 39       | 6,457          | 2,652          | 9,402          | 16,175         | 5,795          | 5,352          | 6,400          | 51,513           |
| 40 to 44       | 6,350          | 2,560          | 8,961          | 15,430         | 5,411          | 4,564          | 5,605          | 48,177           |
| 45 to 49       | 6,850          | 2,873          | 8,672          | 15,188         | 5,094          | 4,427          | 5,200          | 47,475           |
| 50 to 54       | 7,996          | 3,395          | 9,337          | 15,820         | 5,748          | 4,852          | 5,711          | 51,939           |
| 55 to 59       | 8,784          | 3,768          | 9,485          | 15,652         | 6,121          | 5,295          | 5,859          | 53,730           |
| 60 to 64       | 8,716          | 3,595          | 8,770          | 14,304         | 5,532          | 4,923          | 5,328          | 49,935           |
| 65 to 69       | 7,754          | 3,119          | 7,811          | 11,800         | 4,760          | 3,947          | 4,343          | 42,651           |
| 70 to 74       | 5,471          | 2,450          | 6,000          | 8,320          | 3,647          | 2,962          | 3,300          | 31,560           |
| 75 to 79       | 3,721          | 1,750          | 3,992          | 5,460          | 2,712          | 2,186          | 2,334          | 21,733           |
| 80 to 84       | 2,537          | 1,261          | 2,770          | 3,940          | 1,936          | 1,657          | 1,611          | 15,325           |
| 85+            | 2,793          | 1,625          | 3,285          | 4,765          | 2,103          | 1,617          | 1,884          | 17,347           |
| <b>Total</b>   | <b>113,313</b> | <b>52,689</b>  | <b>155,240</b> | <b>236,732</b> | <b>95,510</b>  | <b>84,288</b>  | <b>105,141</b> | <b>824,551</b>   |
|                |                |                |                |                |                |                |                |                  |
| <b>Total</b>   | <b>224,984</b> | <b>107,399</b> | <b>309,845</b> | <b>476,352</b> | <b>191,822</b> | <b>168,996</b> | <b>211,334</b> | <b>1,652,828</b> |

Source: National Center for Health Statistics, 2017.