

THE MAINE 2016 ANNUAL REPORT OF CANCER



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The Maine 2016 Annual Report of Cancer is based on 2013 cancer incidence and mortality.

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INTRODUCTION

The purpose of this report is to summarize data on newly diagnosed cases of cancer (cancer incidence) and deaths with cancer as an underlying cause (cancer mortality) among Maine residents. This report provides information on the most frequently diagnosed cancer types in Maine. Data are presented at the county and public health district levels for all cancer types combined, the top four cancers in Maine (female breast, prostate, lung and bronchus, and colon and rectum cancers) plus the following: tobacco-related cancers (excluding lung and bronchus cancer), urinary bladder cancer, and brain and other nervous system cancer.

The information contained in this report may be used to determine cancer burden and to guide programs and policies targeted at reducing the occurrence and impact of cancer.

The Maine CDC Cancer Registry collects information on all cancer cases diagnosed in Maine according to State Law Title 22, Chapter 255. The Registry also receives data on Maine residents who have been diagnosed in other states from other state registries.

Cancer data in Maine are available approximately three years after the reporting period. The 2016 annual report is based on new cancer cases diagnosed in 2013 (cancer incidence) and cancer deaths occurring in 2013 (cancer mortality). This time-lag is consistent with reporting standards used throughout the U.S. to ensure high quality data. Reasons for this delay include the time it takes for a state cancer registry to:

- receive cancer cases from reporting sources including hospitals and pathology labs,
- follow up to ensure important information about the cancer is correct,
- consolidate state data, and
- carry out data quality checks.

Additional information and publications about cancer in Maine can be found at the websites of the Maine CDC Cancer Registry¹ and the Maine CDC Comprehensive Cancer Control Program².

¹ Maine CDC Cancer Registry - List of Publications <http://www.maine.gov/dhhs/mecdc/public-health-systems/data-research/vital-records/mcr/reports/index.htm>

² Maine CDC Comprehensive Cancer Control Program <http://www.maine.gov/dhhs/mecdc/population-health/ccc/index.shtml>

SUMMARY OF FEATURES

This report contains the following data:

- Rates of new cancers and deaths in Maine residents by site (part of the body), sex and county.
- U.S. data by site and gender (for comparisons with Maine data).
- Age-specific incidence data for all sites combined, the most common cancer sites, and urinary bladder cancer.
- Malignant and non-malignant incident cases of brain and other nervous system tumors.
- Rates for groups of cancers that are obesity-related and HPV-associated.
- Rates for summary grouping of tobacco-related cancers (the definition has been updated to include colon and rectum and liver cancer).
- Trends in incidence and mortality for all sites combined and selected cancers (see pages 26-30, 41-42).

TECHNICAL NOTES

Rates:

Incidence and mortality rates are calculated per 100,000 population. The year 2000 U.S. standard population was used for age adjustment.

Confidence Intervals and Statistical Significance:

Ninety-five percent confidence intervals are provided for all rates. If the 95 percent confidence intervals for two rates overlapped, the incidence rates were considered similar. If the confidence intervals did not overlap, the rates were considered to be significantly different. Maine rates that are significantly higher than national rate and county/district rates that are significantly higher than the Maine rate are shaded orange (■).

Data Analysis:

Counts and rates presented in this report were produced using the Surveillance, Epidemiology, and End Results (SEER) Program, Surveillance Research Program, National Cancer Institute, SEER*Stat 8.3.2 software.

Data Sources:

Maine incidence data are obtained from the Maine CDC Cancer Registry. Mortality data for Maine and the U.S. are provided by the National Center for Health Statistics and accessed through SEER*Stat. The Maine mortality data is collected by Maine CDC's Data, Research, and Vital Statistics and provided to NCHS through cooperative agreement. National data are used for comparisons to Maine rates. Incidence data for U.S. and U.S. White rates were provided by the North American Association of Central Cancer Registries (NAACCR). The datafile, NAACCR Cancer in North America (CINA) Plus Standard File, includes incidence data from registries that met NAACCR criteria for high quality data and consented to inclusion. A separate analytic file, 2016 SEER*Stat Database: National Program of Cancer Registries (NPCR) and SEER Incidence – Analytic file - 1998-2013, was used for U.S. comparison data for obesity-related and HPV-associated cancers.

National Comparisons:

All statistical comparisons in this report involving national estimates are based on rates for U.S. whites due to the predominantly white population in Maine,

although CINA or SEER incidence rates and national mortality rates for both whites and all races have been provided. These rates appear under the headings “CINA Whites” and “CINA All races” or “U.S. Whites” and “U.S. All races.”

CASE DEFINITIONS

Incidence Case Definitions:

Case definitions for single cancers and “all sites” are included in Appendix 1. Cancer groupings used in this report (HPV-associated, obesity-related, tobacco-related) are described below and definitions are included in Appendix 2.

Mortality Case Definitions:

Case definitions of underlying cause of death using ICD-10 codes are included in Appendix 3.

Tobacco-related Cancers:

Tobacco-related cancers excluding lung and bronchus cancer are included in this report due to their clinical and epidemiologic significance. Tobacco-related cancers are those that are defined by the U.S. Surgeon General as having direct causal relationships to tobacco use (Surveillance for Cancers Associated with Tobacco Use — United States, 1999–2004). In 2014, based on *The Health Consequences of Smoking: 50 Years of Progress. A Report of the Surgeon General*, the list was expanded to include the following cancers: liver, colon and rectum in addition to laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical and acute myeloid leukemia.

Obesity-related Cancers:

According to the 2007 expert report published by the World Cancer Research Fund and American Institute of Cancer Research, there is convincing evidence that greater body fat is a cause of adenocarcinoma of the esophagus, as well as cancers of the pancreas, colon, rectum, kidney, renal pelvis, endometrium and breast (postmenopausal).

HPV-associated Cancers:

A separate set of tables presenting cancers that are associated with Human Papillomavirus (HPV) infection are included in this report. Rectum cancer

has been added to this grouping this year. There is variability in the degree of association; for example, nearly 100 percent of cervical cancers, 90 percent of anal cancers and 35 percent of oropharyngeal cancers are associated with HPV. The proportion of HPV association for oral and oropharyngeal cancer sites is increasing, with HPV infection overtaking tobacco and alcohol in the causation of these cancers.

GEOGRAPHY

Maine Public Health Districts:

Maine has eight geographically defined public health districts and one public health district based on tribal affiliation (Wabanaki). Cancer rates have been calculated for the eight geographical districts including the counties within each district. Cancer rates were not calculated for the Tribal district because of small numbers. The table below shows the counties in each district.

Public Health District	Counties
Aroostook District	Aroostook County
Central District	Kennebec County, Somerset County
Cumberland District	Cumberland County
Downeast District	Hancock County, Washington County
Midcoast District	Lincoln County, Knox County, Sagadahoc County, Waldo County
Penquis District	Penobscot County, Piscataquis County
Western District	Androscoggin County, Franklin County, Oxford County
York District	York County

Rates by County/District:

The number of new cancer cases reported in a county or district varies from year to year, and some of this variation is due to chance. County or district level

cancer rates are more likely to vary on an annual basis than state level rates. In addition, counties/districts with smaller populations tend to have greater variation between time periods. In general, when there are less than 30 cancer cases per year in a geographic entity, it can be difficult to distinguish between normal variation and meaningful changes in cancer rates.

In this report, multiple years of data are combined when producing the county or district rates. Although combining years can make the rates more reliable, caution must still be used when interpreting county and district rates because of small populations.

TRENDS

Figures:

This report includes figures describing trends in cancer incidence and mortality in Maine. The incidence trends figures show rates for all cancer sites combined from 1995 to 2013 and selected cancers from 2000 to 2013.

The mortality figures show trends in mortality rates for all sites combined and selected cancers from 1969 to 2013. Separate cancer mortality trend figures were prepared for males and females.

CANCER INCIDENCE

INCIDENCE: STATE AND NATIONAL COMPARISONS

Age-adjusted Cancer Incidence Rates by Site, Maine, 2013

	Maine		U.S.	
	AA Rate (95% CI)	Count	CINA Whites	CINA All races
All Cancer Sites	463.8 (453.5 - 474.2)	8,366	439.9 (439.1 - 440.7)	439.2 (438.5 - 439.9)
<i>Leading Cancer Sites</i>				
Tobacco-related, Excluding Lung and Bronchus	128.2 (122.9 - 133.6)	2,365	127.0 (126.6 - 127.4)	127.7 (127.3 - 128.1)
Lung and Bronchus	74.8 (70.8 - 78.9)	1,389	60.4 (60.1 - 60.6)	59.5 (59.3 - 59.8)
Colon and Rectum	37.4 (34.6 - 40.4)	686	37.6 (37.3 - 37.8)	38.5 (38.2 - 38.7)
Female Breast	126.0 (118.5 - 133.9)	1,159	124.5 (123.9 - 125.1)	123.8 (123.3 - 124.3)
Male Prostate	80.7 (74.9 - 86.9)	752	92.5 (92.0 - 93.0)	101.7 (101.2 - 102.2)
<i>Other Cancer Sites</i>				
Melanoma of the Skin	24.7 (22.3 - 27.3)	422	23.4 (23.2 - 23.6)	20.6 (20.4 - 20.8)
Urinary Bladder	24.6 (22.3 - 27.0)	459	21.4 (21.2 - 21.5)	20.1 (19.9 - 20.2)
Non-Hodgkin Lymphoma	19.5 (17.4 - 21.8)	347	19.0 (18.8 - 19.2)	18.5 (18.3 - 18.6)
Thyroid	16.3 (14.2 - 18.6)	243	15.1 (15.0 - 15.3)	14.6 (14.4 - 14.7)
Kidney and Renal Pelvis	15.5 (13.7 - 17.6)	277	16.1 (16.0 - 16.3)	16.0 (15.9 - 16.2)
Leukemia	14.1 (12.4 - 16.1)	250	13.6 (13.4 - 13.7)	13.1 (13.0 - 13.3)
Pancreas	12.7 (11.2 - 14.5)	242	12.2 (12.0 - 12.3)	12.4 (12.3 - 12.5)
Oral Cavity and Pharynx	11.6 (10.0 - 13.3)	213	11.8 (11.7 - 12.0)	11.5 (11.4 - 11.6)
Brain and Other Nervous System	6.9 (5.6 - 8.3)	114	7.0 (6.9 - 7.1)	6.5 (6.4 - 6.6)
Esophagus	6.2 (5.1 - 7.5)	121	4.7 (4.6 - 4.7)	4.5 (4.4 - 4.6)
Myeloma	6.1 (5.0 - 7.3)	116	5.6 (5.5 - 5.7)	6.3 (6.2 - 6.4)
Liver and Intrahepatic Bile Duct	5.3 (4.3 - 6.5)	101	7.2 (7.1 - 7.3)	7.9 (7.8 - 8.0)
Stomach	4.9 (3.9 - 6.1)	87	5.8 (5.8 - 5.9)	6.6 (6.5 - 6.7)
Larynx	3.7 (2.9 - 4.7)	70	3.4 (3.3 - 3.5)	3.4 (3.3 - 3.4)
Hodgkin Lymphoma	3.3 (2.3 - 4.4)	44	2.6 (2.6 - 2.7)	2.6 (2.5 - 2.6)
Mesothelioma	1.3 (0.8 - 2.1)	23	1.0 (1.0 - 1.0)	0.9 (0.9 - 1.0)
<i>Other Gender Specific Sites</i>				
Uterus (Corpus Uteri and Uterus, NOS)	29.5 (26.1 - 33.3)	296	26.2 (25.9 - 26.4)	25.8 (25.6 - 26.1)
Ovary	10.2 (8.2 - 12.7)	95	11.5 (11.3 - 11.6)	11.2 (11.0 - 11.3)
Cervix Uteri	5.9 (4.2 - 8.0)	44	7.0 (6.9 - 7.2)	7.3 (7.1 - 7.4)
Testis	7.3 (5.2 - 9.9)	41	6.4 (6.3 - 6.5)	5.5 (5.4 - 5.6)

Notes:

- A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- Tobacco-related cancers excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, bladder, cervical, colon and rectum, liver and acute myeloid leukemia. Most of these cancers also appear separately in the table.
- Cancer sites are ordered by descending Maine incidence rates.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Subgroup counts might not sum to Maine total due to rounding.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; CINA = NAACCR Cancer in North America (CINA) Plus Standard File.


Data Sources:

- Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission
- National Incidence: NAACCR Cancer in North America (CINA) Plus Standard File.

Age-adjusted Cancer Incidence Rates among Males by Site, Maine, 2013

	Male			
	Maine		U.S.	
	AA Rate (95% CI)	Count	CINA Whites	CINA All races
All Cancer Sites	487.1 (471.9 - 502.7)	4,144	474.6 (473.4 - 475.8)	479.3 (478.2 - 480.4)
Tobacco-related, Excluding Lung and Bronchus	168.3 (159.5 - 177.5)	1,448	171.0 (170.2 - 171.7)	171.5 (170.8 - 172.1)
Lung and Bronchus	88.8 (82.4 - 95.6)	749	69.8 (69.3 - 70.3)	70.1 (69.6 - 70.5)
Prostate	80.7 (74.9 - 86.9)	752	92.5 (92.0 - 93.0)	101.7 (101.2 - 102.2)
Colon and Rectum	41.8 (37.5 - 46.6)	356	43.0 (42.7 - 43.4)	44.2 (43.9 - 44.6)
Urinary Bladder	39.7 (35.4 - 44.3)	334	37.1 (36.8 - 37.4)	35.0 (34.7 - 35.3)
Melanoma of the Skin	28.0 (24.4 - 32.0)	235	29.7 (29.4 - 30.0)	26.6 (26.3 - 26.8)
Non-Hodgkin Lymphoma	23.9 (20.5 - 27.6)	196	22.9 (22.6 - 23.2)	22.4 (22.1 - 22.6)
Kidney and Renal Pelvis	19.0 (16.1 - 22.3)	164	21.7 (21.5 - 22.0)	21.8 (21.5 - 22.0)
Leukemia	18.4 (15.5 - 21.7)	151	17.3 (17.1 - 17.5)	16.8 (16.6 - 17.0)
Oral Cavity and Pharynx	16.8 (14.2 - 19.9)	147	18.0 (17.7 - 18.2)	17.4 (17.2 - 17.7)
Pancreas	14.2 (11.8 - 17.1)	123	14.0 (13.8 - 14.2)	14.2 (14.0 - 14.4)
Esophagus	11.2 (9.0 - 13.7)	100	8.1 (8.0 - 8.3)	7.8 (7.7 - 8.0)
Liver and Intrahepatic Bile Duct	9.0 (7.1 - 11.4)	81	10.9 (10.7 - 11.1)	12.1 (11.9 - 12.2)
Brain and Other Nervous System	8.7 (6.7 - 11.1)	69	8.1 (8.0 - 8.3)	7.6 (7.4 - 7.7)
Thyroid	7.6 (5.7 - 9.9)	60	7.8 (7.6 - 7.9)	7.3 (7.2 - 7.5)
Myeloma	7.4 (5.6 - 9.5)	64	7.1 (6.9 - 7.2)	7.8 (7.7 - 8.0)
Stomach	7.3 (5.5 - 9.5)	59	8.2 (8.0 - 8.3)	9.1 (8.9 - 9.2)
Testis	7.3 (5.2 - 9.9)	41	6.4 (6.3 - 6.5)	5.5 (5.4 - 5.6)
Larynx	5.6 (4.1 - 7.5)	50	5.8 (5.7 - 5.9)	5.9 (5.8 - 6.0)
Hodgkin Lymphoma	4.0 (2.6 - 5.9)	27	2.9 (2.8 - 3.0)	2.9 (2.8 - 3.0)
Mesothelioma	2.1 (1.2 - 3.5)	16	1.8 (1.7 - 1.8)	1.6 (1.6 - 1.7)

Notes:

-  A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- Tobacco-related cancers excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia. Most of these cancers are also reported separately in the table.
- Cancer sites are ordered by descending incidence rates.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Subgroup counts might not sum to Maine total due to rounding.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; CINA = NAACCR Cancer in North America (CINA) Plus Standard File.

Data Sources:

- Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission
- National Incidence: NAACCR Cancer in North America (CINA) Plus Standard File

Age-adjusted Cancer Incidence Rates among Females by Site, Maine, 2013

	Female			
	Maine		U.S.	
	AA Rate (95% CI)	Count	CINA Whites	CINA All races
All Cancer Sites	449.4 (435.3 - 463.9)	4,222	418.0 (416.9 - 419.0)	412.6 (411.7 - 413.6)
Breast	126.0 (118.5 - 133.9)	1,159	124.5 (123.9 - 125.1)	123.8 (123.3 - 124.3)
Tobacco-related, Excluding Lung and Bronchus	94.1 (87.9 - 100.7)	917	90.8 (90.3 - 91.2)	92.3 (91.8 - 92.7)
Lung and Bronchus	63.7 (58.7 - 68.9)	640	53.2 (52.8 - 53.6)	51.6 (51.3 - 51.9)
Colon and Rectum	33.4 (29.8 - 37.5)	330	32.9 (32.6 - 33.2)	33.6 (33.4 - 33.9)
Uterus (Corpus Uteri and Uterus, NOS)	29.5 (26.1 - 33.3)	296	26.2 (25.9 - 26.4)	25.8 (25.6 - 26.1)
Thyroid	24.5 (20.9 - 28.6)	183	22.5 (22.3 - 22.8)	21.6 (21.3 - 21.8)
Melanoma of the Skin	22.6 (19.3 - 26.3)	187	18.7 (18.5 - 19.0)	16.2 (16.0 - 16.4)
Non-Hodgkin Lymphoma	16.0 (13.5 - 18.9)	151	15.8 (15.6 - 16.0)	15.3 (15.2 - 15.5)
Kidney and Renal Pelvis	12.2 (10.0 - 14.9)	113	11.3 (11.1 - 11.5)	11.2 (11.0 - 11.3)
Urinary Bladder	12.1 (10.1 - 14.6)	125	9.0 (8.9 - 9.2)	8.6 (8.5 - 8.7)
Pancreas	11.3 (9.3 - 13.7)	119	10.6 (10.5 - 10.8)	10.9 (10.7 - 11.0)
Leukemia	10.4 (8.4 - 12.9)	99	10.5 (10.4 - 10.7)	10.2 (10.1 - 10.4)
Ovary	10.2 (8.2 - 12.7)	95	11.5 (11.3 - 11.6)	11.2 (11.0 - 11.3)
Oral Cavity and Pharynx	7.0 (5.4 - 9.1)	66	6.4 (6.2 - 6.5)	6.3 (6.2 - 6.4)
Cervix Uteri	5.9 (4.2 - 8.0)	44	7.0 (6.9 - 7.2)	7.3 (7.1 - 7.4)
Brain and Other Nervous System	5.3 (3.8 - 7.3)	45	5.9 (5.8 - 6.1)	5.5 (5.4 - 5.6)
Myeloma	5.0 (3.7 - 6.6)	52	4.3 (4.2 - 4.5)	5.1 (5.0 - 5.2)
Stomach	2.9 (1.9 - 4.3)	28	3.9 (3.8 - 4.0)	4.6 (4.5 - 4.7)
Hodgkin Lymphoma	2.5 (1.4 - 4.1)	17	2.4 (2.3 - 2.4)	2.3 (2.2 - 2.3)
Liver and Intrahepatic Bile Duct	2.1 (1.3 - 3.3)	20	3.9 (3.8 - 4.0)	4.2 (4.1 - 4.3)
Larynx	2.1 (1.3 - 3.4)	20	1.3 (1.3 - 1.4)	1.3 (1.2 - 1.3)
Esophagus	1.9 (1.2 - 3.1)	21	1.7 (1.7 - 1.8)	1.8 (1.7 - 1.8)
Mesothelioma	~	~	0.4 (0.4 - 0.5)	0.4 (0.4 - 0.4)

Notes:

- A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- Tobacco-related cancers excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia. Most of these cancers are also reported separately in the table.
- Cancer sites are ordered by descending incidence rates.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Subgroup counts might not sum to Maine total due to rounding.
- ~ Rates and counts are suppressed when count is less than 10 cases.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; CINA = NAACCR Cancer in North America (CINA) Plus Standard File.

Data Sources:

- Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission
- National Incidence: NAACCR Cancer in North America (CINA) Plus Standard File

All Cancers: Incidence by Age, Maine 2011-2013

	Total		Male		Female	
	Crude Rate (95% CI)	Count /Yr	Crude Rate (95% CI)	Count /Yr	Crude Rate (95% CI)	Count /Yr
0-14 years	17.1 (14.1 - 20.6)	37	18.9 (14.6 - 24.2)	21	15.2 (11.2 - 20.2)	16
15-19 years	25.6 (19.7 - 32.6)	22	27.4 (19.2 - 38.0)	12	23.6 (15.8 - 33.9)	10
20-24 years	43.5 (35.6 - 52.7)	35	43.6 (32.7 - 57.0)	18	43.5 (32.4 - 57.1)	17
25-29 years	79.2 (68.0 - 91.8)	59	69.7 (55.1 - 87.0)	26	88.7 (72.2 - 107.9)	33
30-34 years	101.9 (89.0 - 116.1)	75	73.3 (58.1 - 91.2)	27	130.0 (109.7 - 152.9)	48
35-39 years	153.2 (137.3 - 170.4)	113	94.2 (76.8 - 114.4)	34	209.9 (184.0 - 238.5)	79
40-44 years	228.0 (210.2 - 247.0)	201	148.6 (128.4 - 171.1)	64	304.9 (276.1 - 336.0)	136
45-49 years	365.2 (343.9 - 387.6)	364	275.4 (249.2 - 303.7)	135	451.7 (418.6 - 486.7)	229
50-54 years	589.4 (563.5 - 616.1)	652	582.1 (545.5 - 620.4)	315	596.4 (560.2 - 634.3)	337
55-59 years	853.1 (821.4 - 885.8)	907	877.2 (831.2 - 925.1)	453	830.4 (786.9 - 875.7)	454
60-64 years	1,195.4 (1,155.7 - 1,236.1)	1,143	1,329.4 (1,269.6 - 1,391.3)	619	1,068.2 (1,016.0 - 1,122.3)	524
65-69 years	1,710.0 (1,655.8 - 1,765.5)	1,255	1,942.2 (1,859.8 - 2,027.3)	696	1,488.3 (1,417.9 - 1,561.3)	559
70-74 years	2,119.8 (2,048.1 - 2,193.5)	1,098	2,457.9 (2,345.5 - 2,574.3)	598	1,820.6 (1,729.6 - 1,915.1)	500
75-79 years	2,432.1 (2,344.0 - 2,522.6)	959	2,910.0 (2,767.3 - 3,058.2)	519	2,036.6 (1,928.1 - 2,149.6)	439
80-84 years	2,514.3 (2,412.8 - 2,618.9)	771	3,059.0 (2,885.2 - 3,240.6)	385	2,134.5 (2,013.3 - 2,261.1)	386
85+ years	2,314.6 (2,216.9 - 2,415.4)	704	2,996.3 (2,804.7 - 3,197.5)	303	1,974.7 (1,864.7 - 2,089.5)	401
All Ages*	631.9 (624.1 - 639.8)	8,394	649.9 (638.7 - 661.3)	4,225	614.6 (603.9 - 625.5)	4,169

Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008.
- Age-specific (crude) rates are calculated per 100,000 population.
- *Crude (not age-adjusted) rate displayed for "All ages."
- Subgroup counts might not sum to Maine total due to rounding.
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

All Cancers: Incidence by County of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count /Yr	AA Rate (95% CI)	Count /Yr	AA Rate (95% CI)	Count /Yr
Androscoggin	457.1 (435.8 - 479.3)	594	511.2 (477.7 - 546.5)	303	420.2 (392.1 - 449.9)	291
Aroostook	487.8 (462.6 - 514.1)	510	549.4 (511.1 - 590.1)	273	438.9 (405.2 - 474.9)	237
Cumberland	474.2 (460.8 - 487.9)	1,669	513.4 (492.6 - 535.0)	810	450.2 (432.4 - 468.7)	859
Franklin	405.0 (369.4 - 443.5)	171	427.0 (375.1 - 484.8)	88	391.3 (342.0 - 446.5)	83
Hancock	490.6 (461.8 - 520.9)	399	540.5 (497.3 - 586.8)	211	453.0 (413.9 - 495.2)	188
Kennebec	464.3 (444.6 - 484.7)	739	508.8 (478.8 - 540.3)	379	430.6 (404.4 - 458.3)	359
Knox	464.9 (432.5 - 499.3)	281	500.2 (452.0 - 552.7)	141	439.2 (395.3 - 487.3)	140
Lincoln	423.0 (390.1 - 458.5)	233	446.4 (399.4 - 498.3)	120	406.7 (360.4 - 458.1)	113
Oxford	482.7 (454.3 - 512.6)	387	529.1 (486.8 - 574.5)	207	445.9 (407.4 - 487.3)	180
Penobscot	492.4 (473.9 - 511.4)	938	515.1 (487.5 - 543.9)	459	481.6 (456.2 - 508.2)	479
Piscataquis	487.9 (438.2 - 542.7)	134	466.3 (400.2 - 542.4)	66	508.0 (435.2 - 591.1)	68
Sagadahoc	471.8 (436.1 - 509.8)	230	504.3 (450.6 - 563.2)	114	445.6 (398.2 - 497.8)	116
Somerset	461.9 (432.4 - 493.0)	324	506.7 (462.2 - 554.6)	172	420.0 (381.1 - 462.2)	153
Waldo	499.2 (463.7 - 537.0)	267	546.9 (493.0 - 605.6)	139	460.4 (413.4 - 511.8)	128
Washington	510.0 (472.4 - 550.2)	250	593.0 (535.0 - 656.4)	137	444.4 (395.0 - 498.9)	113
York	484.5 (468.7 - 500.7)	1,265	504.9 (481.2 - 529.4)	605	474.2 (452.8 - 496.5)	659
Maine	475.2 (469.2 - 481.3)	8,394	513.2 (504.0 - 522.5)	4,225	448.9 (440.8 - 457.2)	4,169

All Cancers: Incidence by Public Health District of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count /Yr	AA Rate (95% CI)	Count /Yr	AA Rate (95% CI)	Count /Yr
Aroostook	487.8 (462.6 - 514.1)	510	549.4 (511.1 - 590.1)	273	438.9 (405.2 - 474.9)	237
Central	463.4 (447.0 - 480.3)	1,063	508.0 (483.0 - 534.1)	551	427.4 (405.5 - 450.2)	512
Cumberland	474.2 (460.8 - 487.9)	1,669	513.4 (492.6 - 535.0)	810	450.2 (432.4 - 468.7)	859
Downeast	498.3 (475.3 - 522.3)	649	561.4 (526.4 - 598.3)	348	449.6 (418.8 - 482.4)	301
Midcoast	462.8 (445.7 - 480.4)	1,012	497.6 (472.1 - 524.2)	514	435.8 (412.6 - 460.0)	498
Penquis	492.0 (474.6 - 509.8)	1,071	510.2 (484.6 - 536.8)	524	484.5 (460.5 - 509.6)	547
Western	455.7 (440.3 - 471.6)	1,153	502.0 (478.3 - 526.5)	598	422.5 (401.8 - 444.1)	554
York	484.5 (468.7 - 500.7)	1,265	504.9 (481.2 - 529.4)	605	474.2 (452.8 - 496.5)	659
Maine	475.2 (469.2 - 481.3)	8,394	513.2 (504.0 - 522.5)	4,225	448.9 (440.8 - 457.2)	4,169

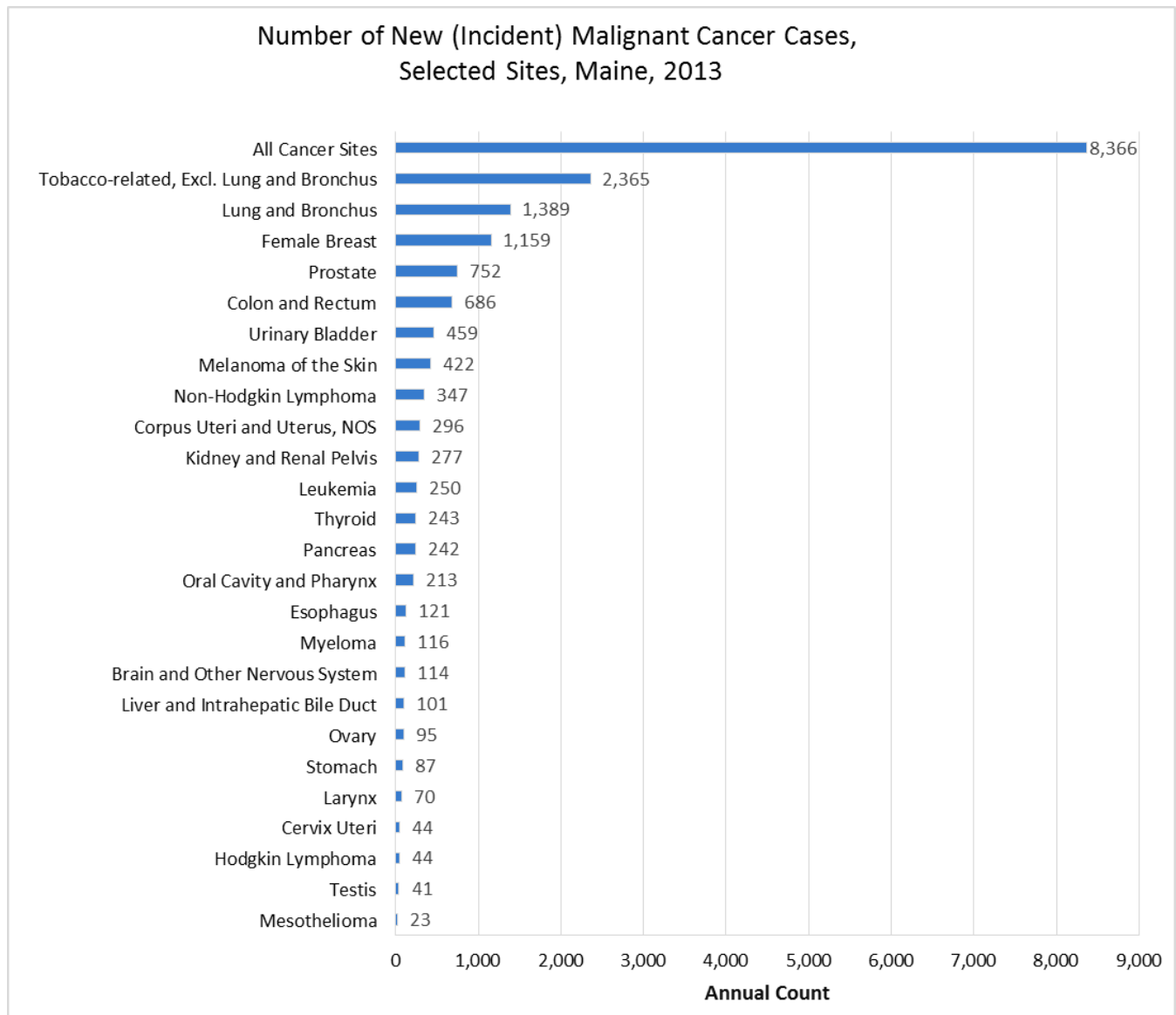
Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. Standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Maine total includes 3 cases with unknown county of residence.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Count of New Malignant Cancers, Maine 2013



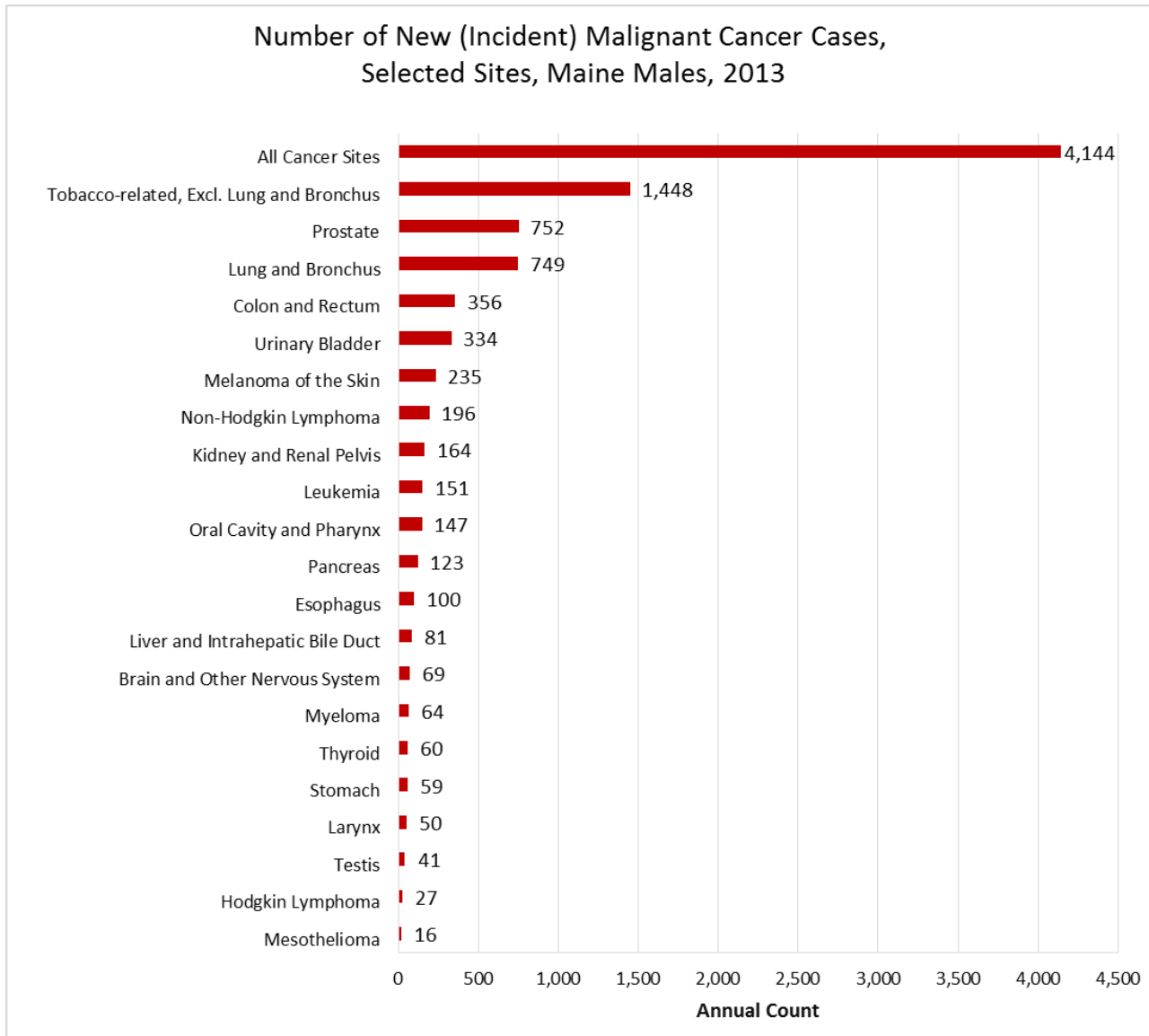
Notes:

- Tobacco-related cancers excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia. These cancers are also reported separately in the figure.
- Abbreviations: Excl. = Excluding.

Data Source:

- Data Source: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Count of New Malignant Cancers, Maine Males, 2013



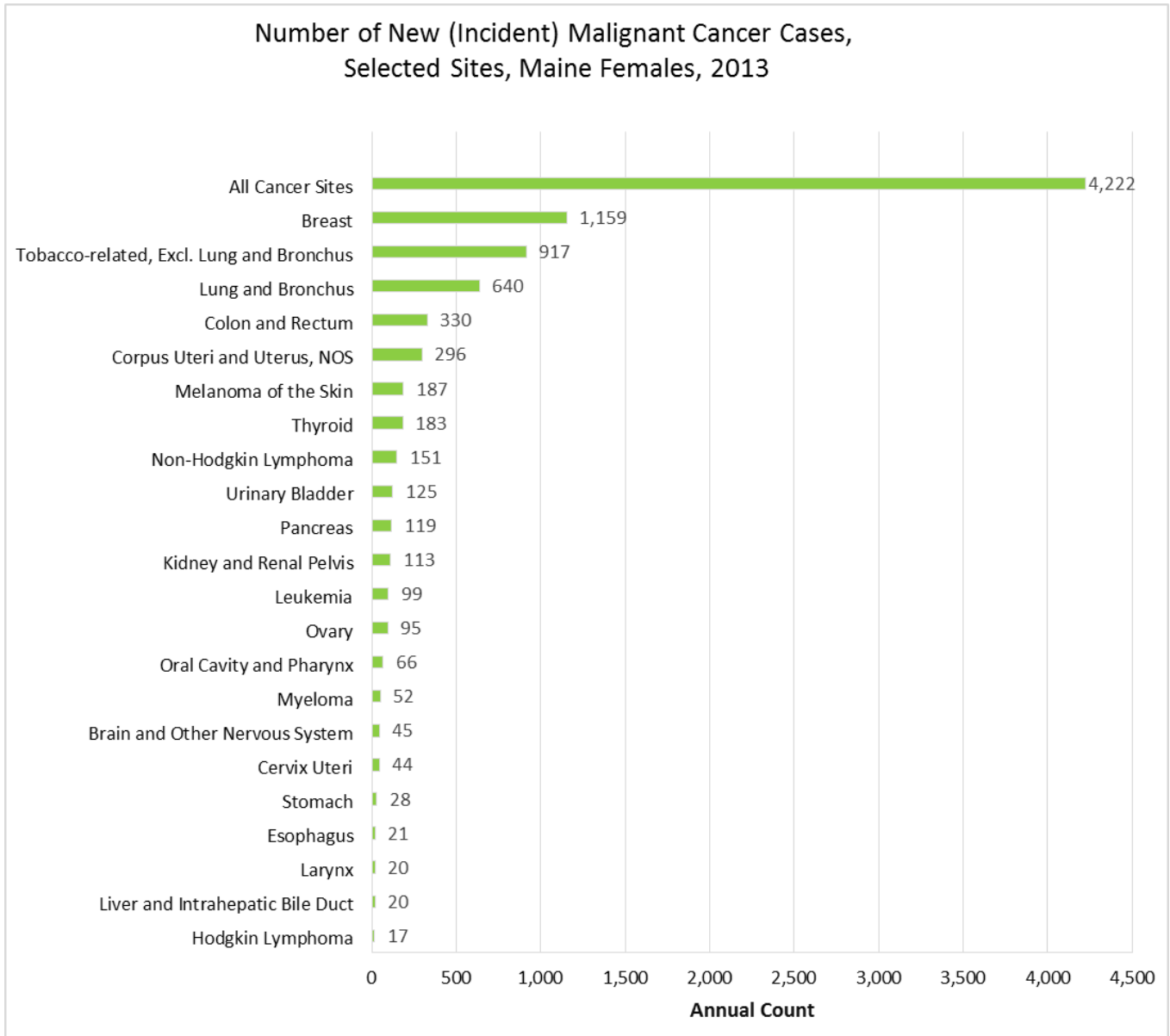
Notes:

- Tobacco-related cancers excl. lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, colon and rectum, liver and acute myeloid leukemia. These cancers are also reported separately in the figure.
- Abbreviations: Excl. = Excluding.

Data Source:

- Data Source: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Count of New Malignant Cancers, Maine Females 2013



Notes:

- Tobacco-related cancers excl. lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia. These cancers are also reported separately in the figure.
- Abbreviations: Excl. = Excluding.

Data Source:

- Data Source: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Lung and Bronchus Cancer: Incidence by Age, Maine 2011-2013

	Total		Male		Female	
	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr
40-44 years	11.7 (8.0 - 16.7)	10	10.8 (5.9 - 18.1)	5	12.7 (7.4 - 20.3)	6
45-49 years	36.5 (29.9 - 44.0)	36	39.5 (30.0 - 51.1)	19	33.5 (24.9 - 44.0)	17
50-54 years	68.4 (59.8 - 77.9)	76	74.6 (61.9 - 89.1)	40	62.5 (51.1 - 75.5)	35
55-59 years	119.2 (107.5 - 131.8)	127	135.0 (117.3 - 154.6)	70	104.3 (89.2 - 121.1)	57
60-64 years	169.4 (154.7 - 185.1)	162	181.7 (160.1 - 205.5)	85	157.6 (138.0 - 179.3)	77
65-69 years	302.5 (279.9 - 326.4)	222	324.5 (291.3 - 360.4)	116	281.5 (251.4 - 314.2)	106
70-74 years	442.0 (409.5 - 476.3)	229	489.1 (439.7 - 542.6)	119	400.3 (358.2 - 445.9)	110
75-79 years	496.4 (457.0 - 538.2)	196	590.2 (526.9 - 659.0)	105	418.8 (370.4 - 471.7)	90
80-84 years	514.2 (468.9 - 562.7)	158	651.0 (572.2 - 737.6)	82	418.8 (366.1 - 476.9)	76
85+ years	357.1 (319.4 - 398.0)	109	510.4 (433.2 - 597.3)	52	280.7 (240.2 - 326.1)	57
Maine All Ages*	100.0 (96.9 - 103.1)	1,328	106.9 (102.4 - 111.6)	695	93.4 (89.2 - 97.7)	633

Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Age-specific (crude) rates are calculated per 100,000 population.
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count.
- "Maine All Ages" includes cases where age is less than 40 years.
- *Crude (not age-adjusted) rate displayed for "All ages."
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Lung and Bronchus Cancer: Incidence by County of Residence, Maine 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	75.7 (67.2 - 84.9)	100	87.7 (74.2 - 102.9)	53	66.1 (55.5 - 78.2)	47
Aroostook	84.9 (75.1 - 95.8)	93	92.2 (77.2 - 109.8)	46	80.3 (67.4 - 95.5)	47
Cumberland	66.9 (62.0 - 72.1)	237	76.0 (68.1 - 84.7)	116	61.0 (54.7 - 67.8)	122
Franklin	52.7 (40.7 - 67.7)	22	50.1 (33.7 - 72.7)	10	53.5 (37.1 - 75.7)	12
Hancock	69.5 (59.4 - 81.1)	59	84.3 (68.3 - 103.6)	34	57.3 (44.7 - 72.9)	25
Kennebec	67.8 (60.5 - 75.7)	111	83.0 (71.2 - 96.3)	62	55.8 (47.0 - 66.1)	48
Knox	74.8 (62.6 - 89.0)	47	88.3 (68.9 - 112.1)	25	64.5 (49.4 - 83.8)	22
Lincoln	51.7 (41.2 - 64.6)	30	58.2 (42.2 - 79.4)	15	47.0 (33.7 - 65.5)	15
Oxford	84.0 (72.9 - 96.6)	71	101.8 (84.3 - 122.4)	41	68.6 (54.7 - 85.5)	29
Penobscot	82.9 (75.6 - 90.8)	161	99.0 (87.1 - 112.0)	87	70.9 (61.7 - 81.2)	74
Piscataquis	85.2 (66.0 - 109.4)	24	104.6 (74.0 - 145.9)	13	68.5 (45.9 - 101.5)	10
Sagadahoc	68.7 (55.9 - 84.0)	34	72.7 (53.4 - 97.3)	16	65.3 (48.8 - 86.7)	18
Somerset	89.0 (76.6 - 103.0)	64	113.9 (93.6 - 137.7)	39	65.7 (51.5 - 83.1)	25
Waldo	79.9 (66.3 - 95.9)	43	101.7 (78.9 - 129.4)	24	64.0 (47.6 - 84.9)	18
Washington	85.1 (70.9 - 101.7)	44	92.9 (71.2 - 120.1)	22	78.6 (60.7 - 101.5)	22
York	70.1 (64.4 - 76.3)	187	74.7 (65.9 - 84.5)	90	66.8 (59.2 - 75.2)	97
Maine	73.2 (70.9 - 75.5)	1,328	84.5 (80.8 - 88.3)	695	64.5 (61.6 - 67.5)	633

Lung and Bronchus Cancer: Incidence by Public Health District of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	84.9 (75.1 - 95.8)	93	92.2 (77.2 - 109.8)	46	80.3 (67.4 - 95.5)	47
Central	74.2 (67.9 - 81.0)	175	92.6 (82.2 - 104.0)	101	58.7 (51.1 - 67.2)	73
Cumberland	66.9 (62.0 - 72.1)	237	76.0 (68.1 - 84.7)	116	61.0 (54.7 - 67.8)	122
Downeast	75.5 (67.2 - 84.8)	103	87.8 (74.6 - 103.0)	56	65.3 (54.8 - 77.7)	47
Midcoast	68.2 (61.9 - 75.0)	154	79.1 (69.3 - 90.2)	81	60.0 (52.0 - 69.0)	73
Penquis	82.9 (76.0 - 90.2)	185	99.2 (88.1 - 111.3)	101	70.6 (62.0 - 80.2)	84
Western	74.1 (68.1 - 80.5)	193	85.6 (76.2 - 96.0)	104	64.3 (56.7 - 72.7)	89
York	70.1 (64.4 - 76.3)	187	74.7 (65.9 - 84.5)	90	66.8 (59.2 - 75.2)	97
Maine	73.2 (70.9 - 75.5)	1,328	84.5 (80.8 - 88.3)	695	64.5 (61.6 - 67.5)	633

Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Tobacco-related Cancers, Excluding Lung and Bronchus: Incidence by Age, Maine 2011-2013

	Total		Male		Female	
	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr
25-29 years	8.5 (5.1 - 13.2)	6	6.3 (2.5 - 12.9)	2	10.6 (5.5 - 18.6)	4
30-34 years	21.7 (16.0 - 28.8)	16	17.4 (10.5 - 27.2)	6	26.0 (17.4 - 37.3)	10
35-39 years	39.4 (31.6 - 48.6)	29	38.8 (28.0 - 52.4)	14	40.0 (29.2 - 53.6)	15
40-44 years	49.6 (41.5 - 58.9)	44	57.0 (44.7 - 71.5)	25	42.5 (32.2 - 55.1)	19
45-49 years	89.3 (78.9 - 100.7)	89	111.8 (95.4 - 130.3)	55	67.6 (55.2 - 82.0)	34
50-54 years	173.3 (159.4 - 188.0)	192	239.2 (216.0 - 264.3)	129	110.2 (95.0 - 127.2)	62
55-59 years	229.0 (212.7 - 246.2)	243	312.6 (285.4 - 341.8)	161	150.0 (131.8 - 169.9)	82
60-64 years	308.4 (288.5 - 329.4)	295	425.0 (391.5 - 460.6)	198	197.7 (175.7 - 221.8)	97
65-69 years	464.6 (436.6 - 494.0)	341	642.4 (595.4 - 692.2)	230	294.8 (263.9 - 328.3)	111
70-74 years	612.5 (574.2 - 652.6)	317	853.6 (787.8 - 923.3)	208	399.0 (357.1 - 444.6)	110
75-79 years	750.9 (702.3 - 802.0)	296	1,027.3 (943.2 - 1,116.8)	183	522.3 (468.1 - 581.0)	113
80-84 years	819.6 (762.1 - 880.3)	251	1,156.4 (1,050.5 - 1,270.1)	146	584.8 (522.2 - 652.9)	106
85+ years	839.1 (780.7 - 900.7)	255	1,155.7 (1,038.0 - 1,283.2)	117	681.2 (617.2 - 750.0)	138
Maine All Ages*	179.5 (175.4 - 183.7)	2,385	227.2 (220.6 - 234.0)	1,477	133.8 (128.8 - 138.9)	907

Notes:

- Tobacco-related cancers excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Age-specific (crude) rates are calculated per 100,000 population.
- * Crude (not age-adjusted) rate displayed for "All ages."
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.
- "Maine All Ages" includes cases where age is less than 25 years.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission


Tobacco-related Cancers, Excluding Lung and Bronchus: Incidence by County of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	126.9 (115.8 - 138.8)	166	172.8 (153.4 - 193.9)	102	89.6 (77.1 - 103.6)	64
Aroostook	135.8 (122.8 - 150.0)	144	186.3 (164.2 - 210.9)	91	93.4 (78.5 - 110.7)	52
Cumberland	136.2 (129.1 - 143.6)	482	188.5 (175.9 - 201.9)	292	95.2 (87.2 - 103.7)	190
Franklin	115.4 (97.0 - 136.8)	49	171.5 (139.3 - 209.8)	35	67.6 (47.8 - 93.6)	14
Hancock	132.8 (118.2 - 149.0)	109	171.2 (147.3 - 198.4)	66	99.6 (82.1 - 120.3)	42
Kennebec	135.5 (125.0 - 146.8)	216	171.6 (154.4 - 190.2)	130	104.1 (91.4 - 118.3)	87
Knox	119.8 (104.1 - 137.6)	75	171.3 (144.0 - 203.0)	49	75.6 (58.6 - 96.9)	26
Lincoln	120.3 (103.0 - 140.2)	66	154.6 (127.4 - 186.8)	41	91.1 (69.3 - 118.5)	25
Oxford	147.6 (132.3 - 164.4)	120	189.4 (164.5 - 217.4)	74	111.2 (92.7 - 132.8)	46
Penobscot	131.3 (122.0 - 141.3)	251	173.3 (157.4 - 190.5)	152	97.4 (86.4 - 109.6)	99
Piscataquis	122.8 (100.0 - 150.4)	37	158.3 (122.7 - 203.9)	24	85.8 (59.3 - 122.8)	13
Sagadahoc	126.5 (108.0 - 147.4)	60	157.4 (127.7 - 192.5)	35	99.1 (76.9 - 126.3)	25
Somerset	136.5 (120.9 - 153.7)	98	185.6 (159.3 - 215.4)	63	91.9 (74.6 - 112.4)	35
Waldo	128.8 (111.2 - 148.5)	70	166.5 (137.4 - 200.3)	42	94.6 (74.7 - 118.9)	28
Washington	169.9 (148.8 - 193.6)	85	243.2 (207.0 - 284.8)	57	104.8 (82.0 - 132.9)	27
York	135.9 (127.7 - 144.5)	358	185.2 (171.0 - 200.2)	224	95.2 (85.9 - 105.4)	135
Maine	133.9 (130.7 - 137.1)	2,385	180.1 (174.6 - 185.6)	1,477	95.2 (91.5 - 99.0)	907

Tobacco-related Cancers, Excluding Lung and Bronchus: Incidence by Public Health District of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	135.8 (122.8 - 150.0)	144	186.3 (164.2 - 210.9)	91	93.4 (78.5 - 110.7)	52
Central	136.0 (127.3 - 145.3)	314	176.3 (161.7 - 191.8)	193	100.6 (90.1 - 112.0)	121
Cumberland	136.2 (129.1 - 143.6)	482	188.5 (175.9 - 201.9)	292	95.2 (87.2 - 103.7)	190
Downeast	146.8 (134.6 - 160.0)	193	198.9 (178.4 - 221.4)	124	101.3 (87.3 - 117.3)	70
Midcoast	123.5 (114.8 - 132.8)	271	162.9 (148.5 - 178.5)	167	88.8 (78.6 - 100.2)	103
Penquis	130.8 (122.1 - 140.1)	288	172.6 (157.8 - 188.4)	176	96.3 (86.0 - 107.6)	112
Western	131.3 (123.1 - 139.9)	335	177.8 (163.8 - 192.7)	211	92.3 (82.9 - 102.5)	124
York	135.9 (127.7 - 144.5)	358	185.2 (171.0 - 200.2)	224	95.2 (85.9 - 105.4)	135
Maine	133.9 (130.7 - 137.1)	2,385	180.1 (174.6 - 185.6)	1,477	95.2 (91.5 - 99.0)	907

Notes:

-  A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Tobacco-related cancers excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: Excl. = Excluding; AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Prostate Cancer: Incidence by Age, Maine 2011-2013

	Male	
	Crude Rate (95% CI)	Count/Yr
40-44 years	6.2 (2.7 - 12.1)	3
45-49 years	19.8 (13.2 - 28.4)	10
50-54 years	101.7 (86.8 - 118.5)	55
55-59 years	225.4 (202.4 - 250.4)	116
60-64 years	402.1 (369.6 - 436.8)	187
65-69 years	543.9 (500.7 - 589.8)	195
70-74 years	571.3 (517.8 - 628.9)	139
75-79 years	524.9 (465.3 - 589.9)	94
80-84 years	367.8 (309.2 - 434.3)	46
85+ years	332.6 (270.9 - 404.1)	34
Maine All Ages*	135.2 (130.1 - 140.5)	879

Prostate Cancer: Incidence by Public Health District of Residence, Maine, 2011-2013

	Male	
	AA Rate (95% CI)	Count/Yr
Aroostook	121.8 (105.4 - 140.5)	68
Central	89.3 (79.4 - 100.2)	104
Cumberland	94.3 (85.9 - 103.3)	165
Downeast	121.0 (105.8 - 138.1)	81
Midcoast	107.4 (96.5 - 119.5)	123
Penquis	88.5 (78.6 - 99.5)	100
Western	94.8 (85.1 - 105.3)	123
York	88.5 (79.2 - 98.8)	115
Maine	97.6 (93.8 - 101.5)	879

Prostate Cancer: Incidence by County of Residence, Maine, 2011-2013

	Male	
	AA Rate (95% CI)	Count/Yr
Androscoggin	100.4 (86.3 - 116.2)	64
Aroostook	121.8 (105.4 - 140.5)	68
Cumberland	94.3 (85.9 - 103.3)	165
Franklin	85.7 (65.1 - 111.9)	20
Hancock	131.4 (111.3 - 154.6)	54
Kennebec	94.5 (82.3 - 108.2)	75
Knox	87.0 (68.8 - 109.3)	28
Lincoln	89.4 (70.7 - 112.9)	27
Oxford	90.8 (74.7 - 110.0)	39
Penobscot	89.1 (78.4 - 101.0)	87
Piscataquis	84.9 (59.0 - 121.4)	12
Sagadahoc	132.8 (107.2 - 163.4)	33
Somerset	78.2 (62.1 - 97.8)	29
Waldo	124.2 (100.9 - 152.0)	36
Washington	104.0 (81.8 - 131.5)	26
York	88.5 (79.2 - 98.8)	115
Maine	97.6 (93.8 - 101.5)	879

Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008.
- Age-adjusted rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Age-specific (crude) rates are calculated per 100,000 population.
- *Crude (not age-adjusted) rate displayed for "All ages."
- "Maine All Ages" includes cases where age is less than 40 years.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.


Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Female Breast Cancer: Incidence by Age, Maine, 2011-2013

	Female	
	Crude Rate (95% CI)	Count/Yr
25-29 years	10.6 (5.5 - 18.6)	4
30-34 years	32.3 (22.6 - 44.7)	12
35-39 years	61.4 (47.8 - 77.7)	23
40-44 years	128.2 (109.8 - 148.9)	57
45-49 years	189.7 (168.5 - 212.9)	96
50-54 years	205.7 (184.6 - 228.4)	116
55-59 years	247.5 (224.0 - 272.8)	135
60-64 years	318.0 (289.8 - 348.2)	156
65-69 years	431.6 (394.0 - 471.7)	162
70-74 years	457.3 (412.3 - 505.8)	126
75-79 years	482.1 (430.1 - 538.7)	104
80-84 years	448.3 (393.7 - 508.4)	81
85+ years	313.5 (270.6 - 361.3)	64
Maine All Ages*	167.7 (162.1 - 173.5)	1,138

Notes:

-  A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Age-adjusted rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Age-specific (crude) rates are calculated per 100,000 population.
- * Crude (not age-adjusted) rate displayed for "All ages."
- "Maine All Ages" includes cases where age is less than 25 years.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Female Breast Cancer: Incidence by County of Residence, Maine, 2011-2013

	Female	
	AA Rate (95% CI)	Count/Yr
Androscoggin	105.7 (91.8 - 121.3)	72
Aroostook	102.9 (86.3 - 122.0)	51
Cumberland	134.5 (124.8 - 144.8)	252
Franklin	109.6 (84.1 - 141.1)	23
Hancock	111.7 (93.1 - 133.4)	48
Kennebec	120.2 (106.4 - 135.3)	99
Knox	131.3 (107.6 - 159.4)	40
Lincoln	107.3 (84.2 - 135.7)	30
Oxford	111.1 (92.4 - 132.9)	45
Penobscot	133.4 (120.0 - 147.9)	130
Piscataquis	159.2 (118.7 - 210.7)	20
Sagadahoc	133.9 (108.5 - 164.3)	35
Somerset	103.4 (84.5 - 125.7)	37
Waldo	127.0 (102.4 - 156.2)	34
Washington	112.7 (88.6 - 142.3)	28
York	140.1 (128.4 - 152.6)	192
Maine	124.7 (120.4 - 129.2)	1,138

Female Breast Cancer: Incidence by Public Health District of Residence, Maine, 2011-2013

	Female	
	AA Rate (95% CI)	Count/Yr
Aroostook	102.9 (86.3 - 122.0)	51
Central	115.2 (103.9 - 127.4)	136
Cumberland	134.5 (124.8 - 144.8)	252
Downeast	112.6 (97.6 - 129.6)	77
Midcoast	125.2 (112.8 - 138.8)	139
Penquis	135.9 (123.2 - 149.7)	150
Western	108.2 (97.8 - 119.5)	140
York	140.1 (128.4 - 152.6)	192
Maine	124.7 (120.4 - 129.2)	1,138

Colon and Rectum Cancer: Incidence by Age, Maine, 2011-2013

	Total		Male		Female	
	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr
35-39 years	15.9 (11.0 - 22.1)	12	17.6 (10.6 - 27.4)	6	14.2 (8.1 - 23.1)	5
40-44 years	19.3 (14.4 - 25.4)	17	19.2 (12.5 - 28.4)	8	19.4 (12.7 - 28.4)	9
45-49 years	23.1 (18.0 - 29.2)	23	23.2 (16.1 - 32.4)	11	23.0 (16.0 - 32.0)	12
50-54 years	58.8 (50.8 - 67.6)	65	76.5 (63.6 - 91.2)	41	41.8 (32.7 - 52.8)	24
55-59 years	51.4 (43.9 - 59.9)	55	60.1 (48.5 - 73.6)	31	43.3 (33.8 - 54.6)	24
60-64 years	66.9 (57.8 - 77.1)	64	81.6 (67.3 - 98.0)	38	53.0 (41.9 - 66.1)	26
65-69 years	118.5 (104.6 - 133.8)	87	145.0 (123.2 - 169.7)	52	93.2 (76.3 - 112.9)	35
70-74 years	162.8 (143.3 - 184.1)	84	176.7 (147.6 - 210.0)	43	150.4 (125.1 - 179.3)	41
75-79 years	203.8 (178.9 - 231.2)	80	205.5 (168.9 - 247.6)	37	202.4 (169.2 - 240.2)	44
80-84 years	266.3 (234.0 - 301.8)	82	299.0 (246.4 - 359.5)	38	243.5 (203.8 - 288.8)	44
85+ years	305.6 (270.8 - 343.7)	93	329.3 (267.9 - 400.5)	33	293.8 (252.4 - 340.2)	60
Maine All Ages*	50.3 (48.1 - 52.6)	668	52.8 (49.6 - 56.1)	343	47.9 (45.0 - 51.0)	325

Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Age-specific (crude) rates are calculated per 100,000 population.
- *Crude (not age-adjusted) rate displayed for "All ages."
- "Maine All Ages" includes cases where age is less than 35 years.
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Colon and Rectum: Incidence by County of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	36.3 (30.4 - 43.0)	47	40.2 (31.2 - 51.1)	24	33.0 (25.5 - 42.1)	23
Aroostook	40.3 (33.3 - 48.5)	42	43.9 (33.3 - 57.1)	21	36.4 (27.7 - 47.5)	21
Cumberland	36.9 (33.3 - 40.9)	130	44.9 (38.8 - 51.7)	68	31.1 (26.7 - 36.2)	63
Franklin	32.0 (22.7 - 44.4)	14	34.6 (20.9 - 54.8)	7	32.1 (19.1 - 51.4)	7
Hancock	45.5 (36.9 - 55.7)	36	50.3 (37.5 - 66.6)	19	41.3 (30.2 - 55.7)	17
Kennebec	36.0 (30.7 - 42.0)	58	39.0 (31.1 - 48.5)	29	33.3 (26.3 - 41.7)	28
Knox	35.3 (27.0 - 45.8)	22	45.1 (31.5 - 63.3)	13	25.5 (16.6 - 38.9)	9
Lincoln	37.1 (27.7 - 49.2)	20	46.1 (31.3 - 66.5)	12	29.1 (17.9 - 45.9)	9
Oxford	39.8 (32.0 - 49.1)	32	36.6 (25.9 - 50.6)	14	42.7 (31.9 - 56.5)	18
Penobscot	37.8 (32.7 - 43.4)	70	35.5 (28.5 - 43.9)	31	39.2 (32.3 - 47.3)	39
Piscataquis	38.8 (26.0 - 56.9)	11	46.2 (27.1 - 76.7)	6	29.8 (15.1 - 56.0)	4
Sagadahoc	30.7 (22.0 - 42.0)	15	34.6 (20.8 - 54.5)	7	25.7 (16.1 - 40.1)	8
Somerset	41.3 (32.9 - 51.5)	29	44.8 (32.3 - 61.0)	15	38.4 (27.5 - 52.9)	14
Waldo	41.6 (32.2 - 53.3)	23	39.1 (26.1 - 57.0)	10	43.5 (30.7 - 60.8)	13
Washington	55.8 (43.8 - 70.5)	27	68.0 (49.0 - 92.7)	15	44.6 (30.3 - 64.4)	12
York	36.1 (31.9 - 40.7)	93	44.7 (37.9 - 52.5)	53	28.3 (23.3 - 34.2)	40
Maine	38.1 (36.4 - 39.9)	668	42.9 (40.3 - 45.7)	343	33.9 (31.8 - 36.2)	325

Colon and Rectum: Incidence by Public Health District of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	40.3 (33.3 - 48.5)	42	43.9 (33.3 - 57.1)	21	36.4 (27.7 - 47.5)	21
Central	37.8 (33.2 - 42.9)	87	41.0 (34.2 - 49.0)	44	34.9 (28.9 - 41.9)	42
Cumberland	36.9 (33.3 - 40.9)	130	44.9 (38.8 - 51.7)	68	31.1 (26.7 - 36.2)	63
Downeast	49.6 (42.4 - 57.7)	63	57.3 (46.2 - 70.4)	34	42.6 (33.6 - 53.7)	29
Midcoast	36.0 (31.4 - 41.1)	80	41.4 (34.2 - 49.8)	42	30.5 (25.0 - 37.1)	39
Penquis	37.9 (33.2 - 43.2)	81	37.2 (30.4 - 45.0)	37	38.1 (31.7 - 45.6)	44
Western	36.6 (32.3 - 41.3)	92	37.9 (31.5 - 45.2)	44	35.9 (30.1 - 42.5)	48
York	36.1 (31.9 - 40.7)	93	44.7 (37.9 - 52.5)	53	28.3 (23.3 - 34.2)	40
Maine	38.1 (36.4 - 39.9)	668	42.9 (40.3 - 45.7)	343	33.9 (31.8 - 36.2)	325

Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Urinary Bladder Cancer: Incidence by Age, Maine, 2011-2013

	Total		Male		Female	
	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr	Crude Rate (95% CI)	Count/Yr
35-39 years	1.8 (0.5 - 4.6)	1	3.7 (1.0 - 9.5)	1	0.0 (0.0 - 3.3)	0
40-44 years	3.0 (1.3 - 6.0)	3	4.6 (1.7 - 10.1)	2	1.5 (0.2 - 5.4)	1
45-49 years	13.4 (9.6 - 18.2)	13	20.5 (13.8 - 29.2)	10	6.6 (3.1 - 12.1)	3
50-54 years	19.9 (15.4 - 25.3)	22	31.4 (23.4 - 41.3)	17	8.8 (4.9 - 14.6)	5
55-59 years	33.6 (27.5 - 40.6)	36	46.5 (36.4 - 58.6)	24	21.3 (14.9 - 29.7)	12
60-64 years	59.6 (51.0 - 69.2)	57	96.6 (81.0 - 114.3)	45	24.5 (17.1 - 33.9)	12
65-69 years	99.9 (87.2 - 114.0)	73	156.2 (133.5 - 181.7)	56	46.2 (34.5 - 60.6)	17
70-74 years	143.5 (125.3 - 163.6)	74	249.4 (214.4 - 288.3)	61	49.7 (35.7 - 67.5)	14
75-79 years	209.7 (184.4 - 237.5)	83	345.5 (297.5 - 399.1)	62	97.3 (74.8 - 124.6)	21
80-84 years	220.7 (191.4 - 253.2)	68	399.6 (338.4 - 468.6)	50	95.9 (71.6 - 125.8)	17
85+ years	200.5 (172.5 - 231.7)	61	414.9 (345.6 - 494.0)	42	93.6 (70.9 - 121.2)	19
Maine All Ages*	37.0 (35.2 - 39.0)	492	57.1 (53.8 - 60.5)	371	17.8 (16.1 - 19.8)	121

Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Age-specific (crude) rates are calculated per 100,000 population.
- *Crude (not age-adjusted) rate displayed for "All ages."
- "Maine All Ages" includes cases where age is less than 35 years.
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission


Urinary Bladder Cancer: Incidence by County of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	29.9 (24.7 - 36.0)	39	55.0 (44.2 - 67.7)	31	11.0 (7.1 - 16.6)	8
Aroostook	26.2 (20.9 - 32.7)	29	42.7 (32.6 - 55.3)	21	13.2 (8.3 - 20.5)	8
Cumberland	27.5 (24.3 - 31.0)	95	46.9 (40.5 - 53.9)	69	13.0 (10.2 - 16.4)	26
Franklin	31.8 (22.8 - 43.7)	14	56.6 (39.0 - 80.4)	12	9.4 (3.7 - 21.5)	2
Hancock	32.1 (25.5 - 40.3)	28	49.4 (37.1 - 65.1)	19	18.1 (11.6 - 27.7)	9
Kennebec	24.9 (20.5 - 30.0)	39	41.2 (32.9 - 51.2)	29	11.4 (7.6 - 16.7)	10
Knox	21.4 (15.5 - 29.5)	15	40.6 (28.4 - 57.2)	12	6.5 (2.6 - 15.5)	2
Lincoln	19.1 (12.9 - 27.8)	11	27.5 (17.2 - 43.2)	8	11.6 (5.3 - 23.9)	3
Oxford	26.5 (20.4 - 34.2)	22	43.8 (32.2 - 58.6)	17	12.4 (7.0 - 21.0)	5
Penobscot	26.9 (22.8 - 31.6)	51	46.9 (38.7 - 56.5)	39	11.7 (8.2 - 16.4)	12
Piscataquis	21.6 (12.9 - 35.7)	6	37.5 (21.0 - 65.2)	5	7.0 (1.4 - 26.0)	1
Sagadahoc	31.3 (22.9 - 42.3)	16	55.2 (38.5 - 77.5)	12	11.5 (5.4 - 23.0)	3
Somerset	30.4 (23.3 - 39.1)	22	52.4 (39.0 - 69.5)	18	10.3 (5.2 - 18.9)	4
Waldo	22.1 (15.3 - 31.2)	12	35.7 (23.0 - 53.6)	9	10.5 (4.9 - 21.0)	3
Washington	31.6 (23.1 - 42.8)	16	56.9 (40.3 - 79.0)	14	10.7 (4.2 - 23.5)	3
York	28.9 (25.2 - 33.0)	77	47.9 (40.8 - 55.9)	56	13.8 (10.5 - 17.9)	20
Maine	27.3 (25.9 - 28.8)	492	46.5 (43.7 - 49.4)	371	12.1 (10.9 - 13.4)	121

Urinary Bladder Cancer: Incidence by Public Health District of Residence, Maine, 2011-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	26.2 (20.9 - 32.7)	29	42.7 (32.6 - 55.3)	21	13.2 (8.3 - 20.5)	8
Central	26.6 (22.9 - 31.0)	61	45.0 (37.7 - 53.3)	47	11.1 (7.9 - 15.3)	14
Cumberland	27.5 (24.3 - 31.0)	95	46.9 (40.5 - 53.9)	69	13.0 (10.2 - 16.4)	26
Downeast	31.9 (26.6 - 38.2)	44	52.3 (42.1 - 64.4)	33	15.2 (10.4 - 22.1)	11
Midcoast	23.1 (19.6 - 27.1)	53	39.4 (32.6 - 47.3)	41	9.6 (6.7 - 13.7)	12
Penquis	26.3 (22.5 - 30.7)	58	45.9 (38.3 - 54.6)	44	11.1 (7.9 - 15.4)	13
Western	29.1 (25.3 - 33.2)	75	51.4 (44.0 - 59.8)	59	11.2 (8.2 - 15.0)	16
York	28.9 (25.2 - 33.0)	77	47.9 (40.8 - 55.9)	56	13.8 (10.5 - 17.9)	20
Maine	27.3 (25.9 - 28.8)	492	46.5 (43.7 - 49.4)	371	12.1 (10.9 - 13.4)	121

Notes:

-  A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Brain and Other Nervous System Tumors: Incidence by County of Residence, Maine, 2009-2013

	All Behaviors		Malignant		Non-Malignant	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	17.0 (13.8 - 20.7)	21	7.5 (5.4 - 10.1)	9	9.5 (7.2 - 12.4)	12
Aroostook	13.2 (9.8 - 17.3)	12	6.9 (4.5 - 10.3)	6	6.2 (4.1 - 9.2)	6
Cumberland	15.2 (13.3 - 17.3)	49	8.0 (6.6 - 9.6)	26	7.2 (5.9 - 8.7)	24
Franklin	10.4 (6.0 - 17.0)	4	6.6 (3.1 - 12.2)	2	3.8 (1.5 - 8.4)	1
Hancock	15.8 (11.6 - 21.0)	11	8.0 (5.1 - 12.0)	6	7.8 (5.0 - 11.8)	5
Kennebec	18.9 (15.8 - 22.6)	27	8.1 (6.0 - 10.6)	11	10.9 (8.5 - 13.6)	16
Knox	19.5 (14.2 - 26.3)	10	9.0 (5.5 - 14.1)	5	10.5 (6.7 - 15.7)	6
Lincoln	16.0 (10.5 - 23.4)	7	6.7 (3.4 - 12.1)	3	9.2 (5.2 - 15.2)	4
Oxford	18.8 (14.4 - 24.3)	13	7.9 (5.1 - 11.9)	5	10.9 (7.6 - 15.1)	8
Penobscot	14.5 (12.0 - 17.3)	25	7.5 (5.7 - 9.6)	13	7.0 (5.3 - 9.1)	12
Piscataquis	18.9 (11.3 - 30.2)	5	9.9 (5.2 - 18.1)	3	9.0 (3.6 - 18.6)	2
Sagadahoc	12.8 (8.5 - 18.8)	6	9.0 (5.4 - 14.3)	4	3.8 (1.7 - 7.6)	2
Somerset	17.2 (12.7 - 22.9)	11	6.4 (3.7 - 10.3)	4	10.8 (7.3 - 15.4)	7
Waldo	17.4 (12.2 - 24.2)	8	8.3 (4.8 - 13.4)	4	9.1 (5.5 - 14.3)	4
Washington	8.4 (4.8 - 13.9)	4	5.7 (2.8 - 10.6)	2	2.7 (0.9 - 6.5)	1
York	16.8 (14.5 - 19.5)	39	7.0 (5.5 - 8.8)	16	9.8 (8.1 - 11.9)	23
Maine	15.8 (14.9 - 16.8)	251	7.6 (7.0 - 8.3)	118	8.3 (7.6 - 8.9)	133

Brain and Other Nervous System Tumors: Incidence by Public Health District of Residence, Maine, 2009-2013

	All Behaviors		Malignant		Non-Malignant	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	13.2 (9.8 - 17.3)	12	6.9 (4.5 - 10.3)	6	6.2 (4.1 - 9.2)	6
Central	18.3 (15.7 - 21.3)	38	7.5 (5.9 - 9.6)	15	10.8 (8.8 - 13.1)	23
Cumberland	15.2 (13.3 - 17.3)	49	8.0 (6.6 - 9.6)	26	7.2 (5.9 - 8.7)	24
Downeast	13.0 (10.0 - 16.7)	15	7.2 (5.0 - 10.1)	8	5.8 (3.9 - 8.5)	6
Midcoast	16.4 (13.8 - 19.5)	31	8.2 (6.3 - 10.4)	15	8.2 (6.4 - 10.5)	16
Penquis	14.9 (12.5 - 17.6)	30	7.9 (6.2 - 9.9)	16	7.0 (5.4 - 9.0)	14
Western	16.5 (14.1 - 19.1)	38	7.4 (5.9 - 9.3)	17	9.0 (7.4 - 11.0)	21
York	16.8 (14.5 - 19.5)	39	7.0 (5.5 - 8.8)	16	9.8 (8.1 - 11.9)	23
Maine	15.8 (14.9 - 16.8)	251	7.6 (7.0 - 8.3)	118	8.3 (7.6 - 8.9)	133

Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.


Data Source:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Age-adjusted Obesity-related Cancers: Incidence by Anatomic Site, Maine and U.S., 2013

	MAINE		U.S.	
	AA Rate (95% CI)	Count	U.S. Whites	U.S. All races
Both Sexes				
Colon and Rectum	37.4 (34.6 - 40.4)	686	38.1 (37.9 - 38.3)	38.5 (38.3 - 38.7)
Esophagus, Adenocarcinoma	4.7 (3.8 - 5.9)	93	3.3 (3.2 - 3.3)	2.8 (2.8 - 2.9)
Kidney and Renal Pelvis	15.5 (13.7 - 17.6)	277	16.2 (16.1 - 16.4)	15.9 (15.8 - 16.1)
Pancreas	12.7 (11.2 - 14.5)	242	12.2 (12.1 - 12.4)	12.3 (12.2 - 12.4)
Male				
Colon and Rectum	41.8 (37.5 - 46.6)	356	43.7 (43.3 - 44.1)	44.3 (43.9 - 44.6)
Esophagus, Adenocarcinoma	9.0 (7.1 - 11.3)	81	6.1 (5.9 - 6.2)	5.4 (5.2 - 5.5)
Kidney and Renal Pelvis	19.0 (16.1 - 22.3)	164	21.8 (21.6 - 22.1)	21.6 (21.4 - 21.8)
Pancreas	14.2 (11.8 - 17.1)	123	14.1 (13.9 - 14.3)	14.1 (13.9 - 14.3)
Female				
Colon and Rectum	33.4 (29.8 - 37.5)	330	33.3 (33.1 - 33.6)	33.6 (33.3 - 33.9)
Esophagus, Adenocarcinoma	1.1 (0.6 - 2.1)	12	0.9 (0.8 - 0.9)	0.8 (0.7 - 0.8)
Kidney and Renal Pelvis	12.2 (10.0 - 14.9)	113	11.3 (11.2 - 11.5)	11.1 (10.9 - 11.2)
Pancreas	11.3 (9.3 - 13.7)	119	10.7 (10.5 - 10.8)	10.8 (10.7 - 11.0)
Breast, post-menopausal	333.4 (312.3 - 355.4)	961	341.7 (340.0 - 343.4)	333.7 (332.2 - 335.2)
Uterus (Corpus Uteri and Uterus, NOS)	29.5 (26.1 - 33.3)	296	26.6 (26.3 - 26.8)	25.9 (25.6 - 26.1)

Notes:

-  A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- Obesity-related cancers defined as cancers of colon and rectum, esophagus (adenocarcinoma), kidney and renal pelvis, pancreas, corpus uteri, and breast (post-menopausal). Post-menopausal breast cancer cases include malignant breast cancer cases diagnosed among females age 50 years or greater. Further detail provided in Appendix 2.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Count = Average Annual Count.
- Cancer sites are ordered by sex-specific cancers and then alphabetically.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission
- SEER*Stat Database: NPCR and SEER Incidence – Analytic file - 1998-2013 - jbk 051916.

Age-adjusted Human Papillomavirus (HPV)-associated Cancers: Incidence by Anatomic Site, Maine and U.S., 2013

	MAINE		U.S.	
	AA Rate (95% CI)	Count	U.S. Whites	U.S. All races
Both Sexes				
Anus	1.4 (0.9 - 2.0)	26	1.6 (1.6 - 1.7)	1.5 (1.5 - 1.6)
Oral Cavity and Oropharynx (limited sites including base of tongue, tonsils and other oropharynx)	5.1 (4.1 - 6.3)	96	4.9 (4.8 - 5.0)	4.5 (4.4 - 4.6)
Rectum	7.6 (6.4 - 9.0)	144	8.2 (8.1 - 8.3)	8.3 (8.2 - 8.4)
Male				
Penis	1.5 (0.8 - 2.7)	13	0.8 (0.8 - 0.9)	0.8 (0.8 - 0.9)
Anus	0.9 (0.3 - 1.9)	6	1.1 (1.1 - 1.2)	1.2 (1.1 - 1.2)
Oral Cavity and Oropharynx (limited sites including base of tongue, tonsils and other oropharynx)	8.5 (6.7 - 10.7)	78	8.3 (8.2 - 8.5)	7.7 (7.6 - 7.9)
Rectum	10.8 (8.7 - 13.2)	98	10.4 (10.3 - 10.6)	8.3 (8.2 - 8.4)
Female				
Cervix	5.9 (4.2 - 8.0)	44	7.2 (7.0 - 7.3)	7.3 (7.2 - 7.4)
Vagina	0.6 (0.2 - 1.4)	6	0.4 (0.4 - 0.5)	0.4 (0.4 - 0.5)
Vulva	3.6 (2.5 - 5.1)	35	2.2 (2.1 - 2.2)	2.0 (2.0 - 2.1)
Anus	1.9 (1.1 - 3.0)	20	2.1 (2.0 - 2.1)	1.9 (1.8 - 1.9)
Oral Cavity and Oropharynx (limited sites including base of tongue, tonsils and other oropharynx)	2.0 (1.2 - 3.3)	18	1.7 (1.6 - 1.7)	1.6 (1.5 - 1.6)
Rectum	4.6 (3.3 - 6.3)	46	6.3 (6.2 - 6.4)	6.4 (6.3 - 6.5)

Notes:

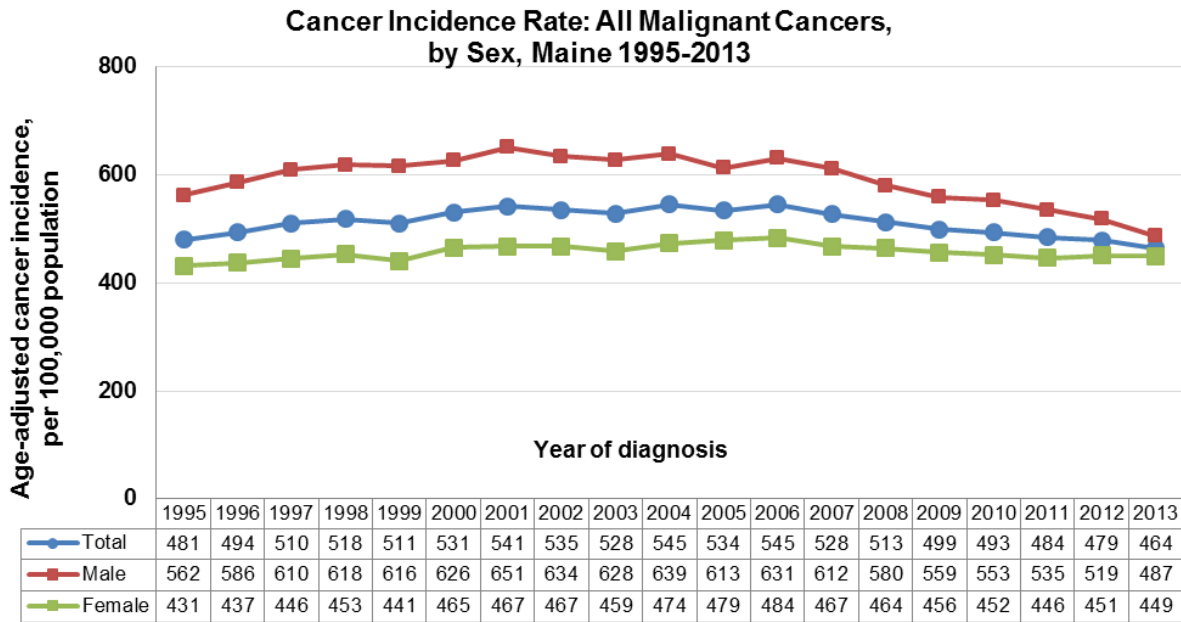
- A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- HPV-associated Cancers defined as all carcinomas of the Cervix, and squamous cell carcinomas for vagina, vulva, penis, anus, rectum and oropharynx. Oral cavity and oropharyngeal cancers are limited to the subsites specified in Appendix 2.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008.
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Count = Annual Count.
- Cancer sites are ordered by sex-specific cancers and then alphabetically.
- Subgroup counts might not sum to Maine total due to rounding.

Data Sources:

- Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission
- SEER*Stat Database: NPCR and SEER Incidence – Analytic file - 1998-2013 - jbk 051916.

CANCER INCIDENCE TRENDS

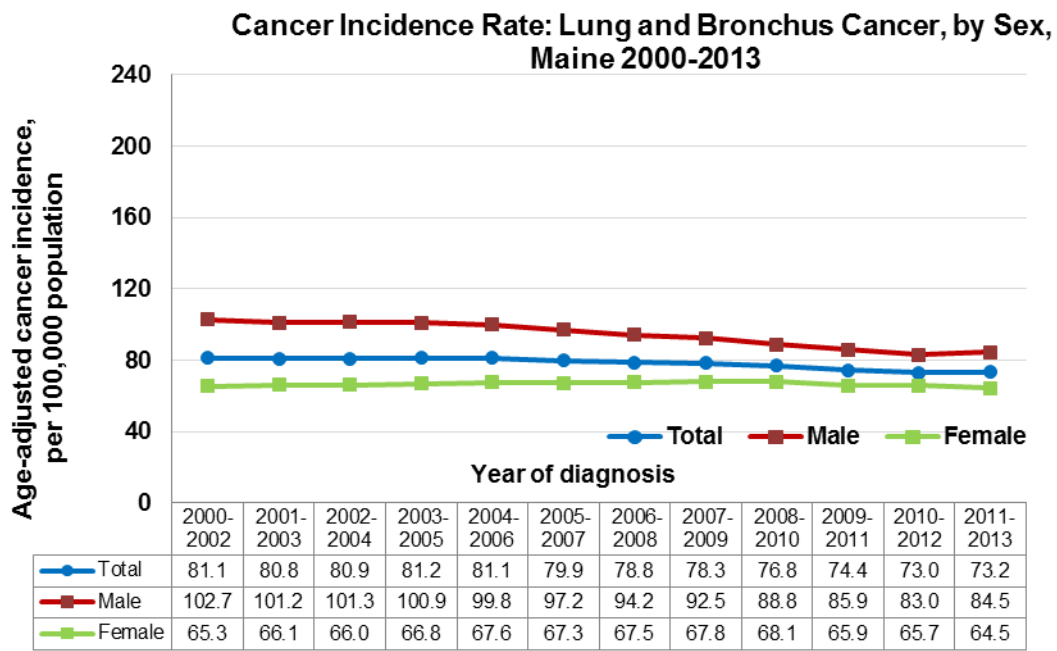
Age-adjusted Incidence of all Malignant Cancers, Maine 1995-2013



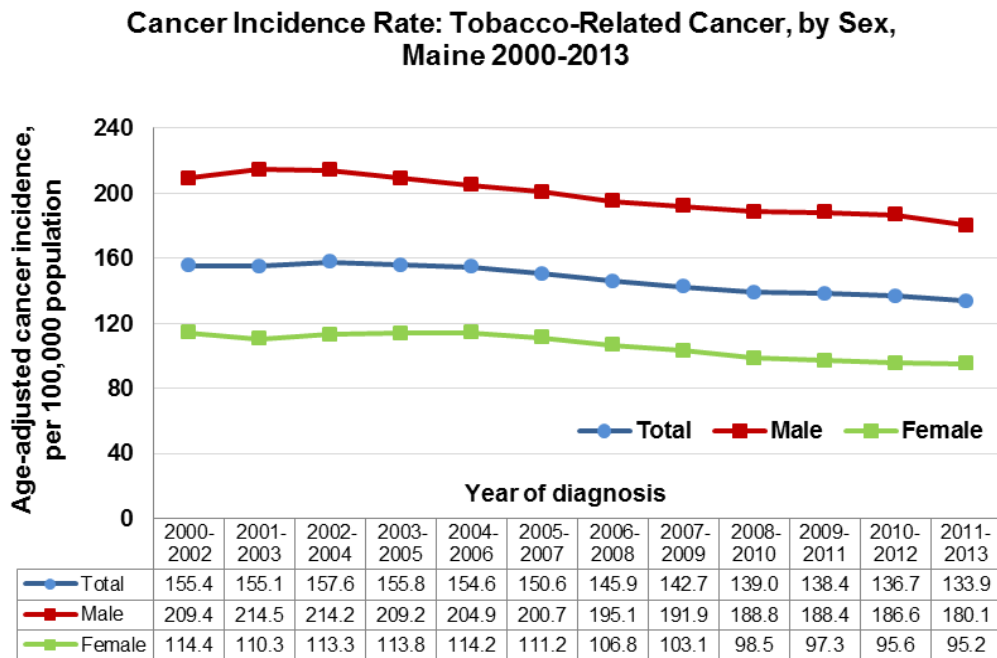
	Total		Male		Female	
	AA Rate (95% CI)	Count	AA Rate (95% CI)	Count	AA Rate (95% CI)	Count
1995	480.5 (468.7 - 492.5)	6,325	562.4 (542.8 - 582.6)	3,202	431.1 (415.9 - 446.7)	3,123
1996	494.0 (482.1 - 506.1)	6,591	585.5 (565.6 - 605.9)	3,370	437.4 (422.2 - 453.0)	3,221
1997	510.2 (498.2 - 522.4)	6,925	609.6 (589.5 - 630.3)	3,568	445.5 (430.4 - 461.0)	3,357
1998	517.8 (505.8 - 530.0)	7,117	618.2 (598.1 - 638.8)	3,679	453.2 (438.1 - 468.8)	3,438
1999	510.6 (498.8 - 522.5)	7,164	616.4 (596.6 - 636.7)	3,753	441.0 (426.2 - 456.2)	3,411
2000	530.6 (518.7 - 542.7)	7,582	625.9 (606.2 - 646.0)	3,921	464.8 (449.7 - 480.3)	3,661
2001	541.4 (529.4 - 553.5)	7,852	650.8 (630.9 - 671.2)	4,140	467.3 (452.2 - 482.7)	3,712
2002	534.6 (522.9 - 546.6)	7,894	633.9 (614.5 - 653.8)	4,130	467.1 (452.2 - 482.5)	3,764
2003	528.4 (516.8 - 540.3)	7,933	627.8 (608.7 - 647.4)	4,181	458.5 (443.8 - 473.6)	3,752
2004	544.7 (533.0 - 556.6)	8,347	639.1 (620.1 - 658.6)	4,400	473.5 (458.6 - 488.7)	3,947
2005	534.0 (522.5 - 545.7)	8,305	612.9 (594.3 - 631.8)	4,268	479.3 (464.4 - 494.6)	4,037
2006	544.8 (533.2 - 556.5)	8,628	630.8 (612.2 - 649.9)	4,498	483.5 (468.6 - 498.8)	4,130
2007	527.8 (516.5 - 539.3)	8,542	611.9 (593.8 - 630.5)	4,486	467.2 (452.6 - 482.1)	4,056
2008	512.8 (501.7 - 524.0)	8,472	579.6 (562.2 - 597.4)	4,370	464.4 (450.0 - 479.2)	4,102
2009	499.1 (488.2 - 510.1)	8,356	558.6 (541.6 - 576.0)	4,277	456.2 (441.9 - 470.8)	4,079
2010	493.4 (482.6 - 504.3)	8,385	553.1 (536.4 - 570.3)	4,335	451.5 (437.3 - 466.1)	4,050
2011	484.0 (473.4 - 494.8)	8,336	535.4 (519.0 - 552.2)	4,261	446.4 (432.3 - 460.9)	4,075
2012	478.7 (468.2 - 489.3)	8,481	518.7 (502.8 - 535.1)	4,271	451.1 (437.0 - 465.6)	4,210
2013	463.8 (453.5 - 474.2)	8,366	487.1 (471.9 - 502.7)	4,144	449.4 (435.3 - 463.9)	4,222

Notes: Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
Data Source: Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Age-adjusted Incidence of Lung and Bronchus Cancer, Maine 2000-2013



Age-adjusted Incidence of Tobacco-Related Cancers, Excluding Lung and Bronchus, Maine 2000-2013



Notes:

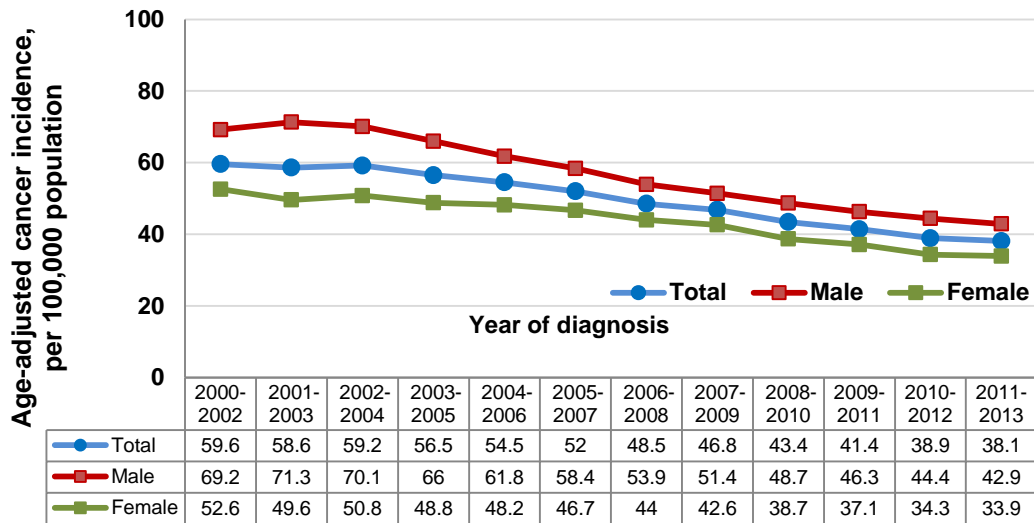
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Tobacco-related cancers excl. lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia.

Data Source:

- Data Source: Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

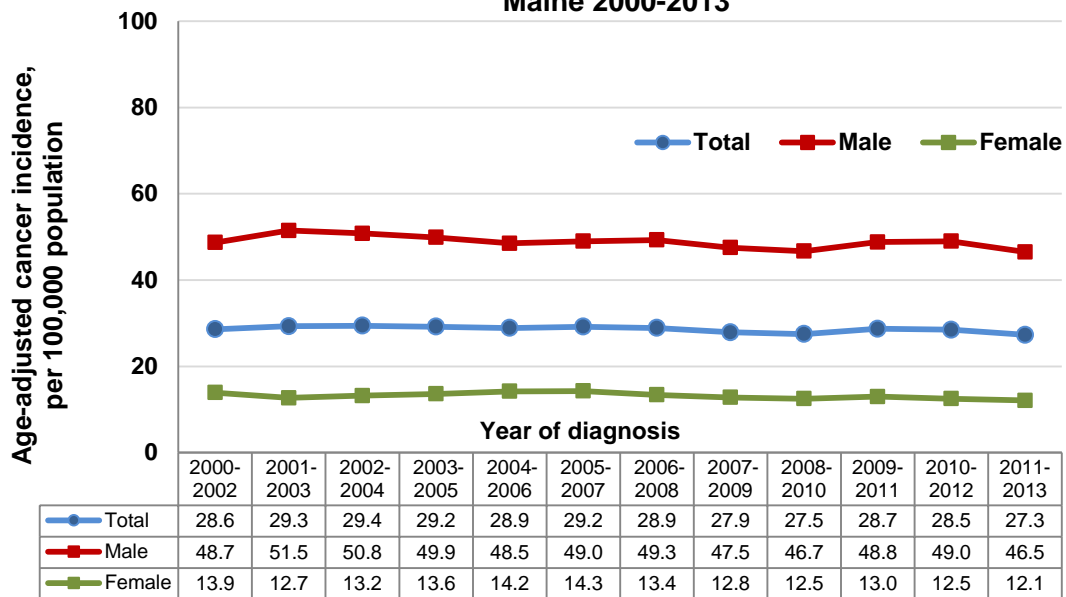
Age-adjusted Incidence of Colon and Rectum Cancer, Maine 2000-2013

Cancer Incidence Rate: Colon and Rectum Cancer, by Sex, Maine 2000-2013



Age-adjusted Incidence of Urinary Bladder Cancer, Maine 2000-2013

Cancer Incidence Rate: Urinary Bladder Cancer, by Sex, Maine 2000-2013



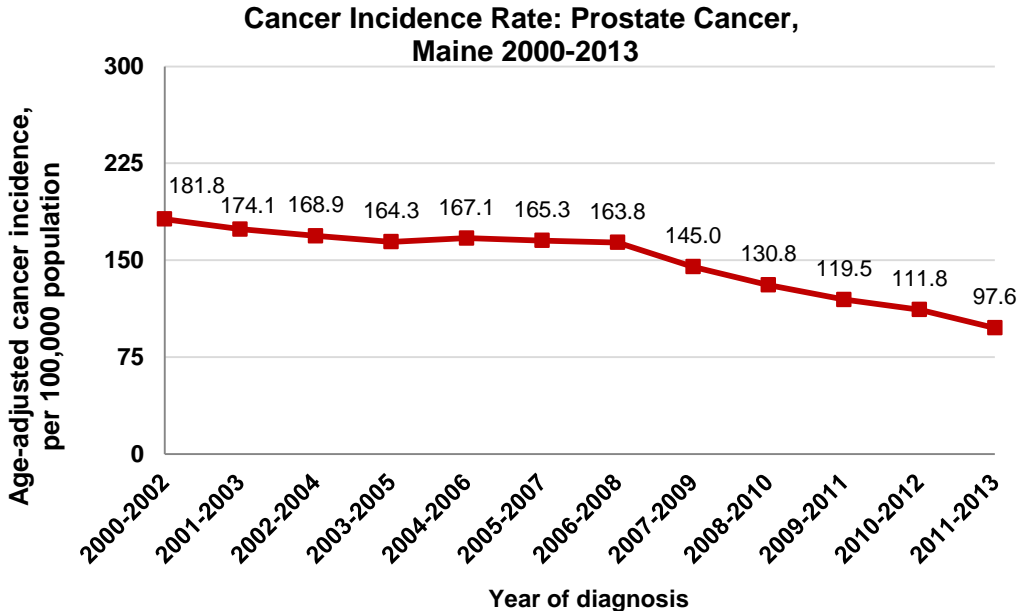
Notes:

- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.

Data Source:

- Data Source: Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

Age-adjusted Incidence of Prostate Cancer, Maine 2000-2013



Notes:

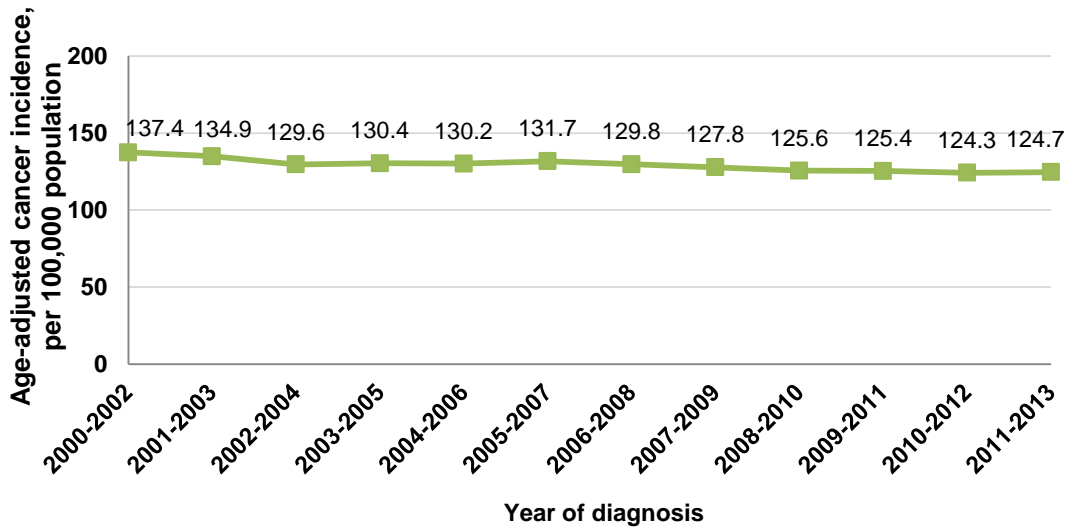
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.

Data Source:

- Data Source: Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission

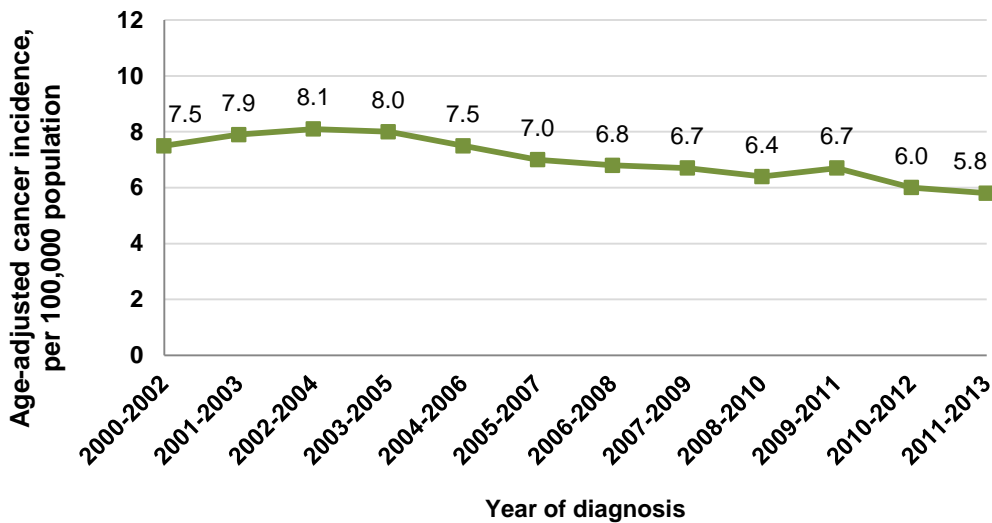
Age-adjusted Incidence of Female Breast Cancer, Maine 2000-2013

Cancer Incidence Rate: Female Breast Cancer, Maine 2000-2013



Age-adjusted Incidence of Cervical Cancer, Maine 2000-2013

Cancer Incidence Rate: Cervical Cancer, Maine 2000-2013



Notes:

- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.

Data Source:

- Data Source: Maine Incidence: Maine CDC Cancer Registry, based on November 2015 NPCR-CSS data submission


CANCER RELATED MORTALITY

MORTALITY: STATE AND NATIONAL COMPARISONS

Age-adjusted Cancer Mortality Rate by Site, Maine 2013

	Total			
	Maine		U.S.	
	AA Rate (95% CI)	Count	U.S. Whites	U.S. All Races
All Malignant Cancers	174.8 (168.7 - 181.1)	3,227	163.3 (162.9 - 163.8)	163.0 (162.6 - 163.4)
Lung and Bronchus	55.1 (51.7 - 58.7)	1,025	44.1 (43.9 - 44.3)	43.4 (43.2 - 43.6)
Tobacco-related, Excluding Lung and Bronchus	50.6 (47.4 - 54.1)	940	52.4 (52.1 - 52.6)	53.0 (52.8 - 53.3)
Colon and rectum	12.5 (10.9 - 14.3)	230	14.1 (14.0 - 14.3)	14.5 (14.3 - 14.6)
Female Breast	See page 34 for sex specific rates			
Prostate	See page 33 for sex specific rates			
Pancreas	10.9 (9.4 - 12.5)	204	10.7 (10.6 - 10.8)	10.8 (10.7 - 10.9)
Non-Hodgkin Lymphoma	6.4 (5.2 - 7.7)	115	5.9 (5.9 - 6.0)	5.7 (5.6 - 5.8)
Leukemia	6.2 (5.1 - 7.5)	114	7.0 (6.9 - 7.1)	6.7 (6.7 - 6.8)
Esophagus	5.4 (4.4 - 6.6)	101	4.2 (4.1 - 4.3)	4.0 (4.0 - 4.1)
Urinary Bladder	5.1 (4.1 - 6.3)	95	4.7 (4.6 - 4.7)	4.4 (4.4 - 4.5)
Liver and Intrahepatic Bile Duct	5.1 (4.1 - 6.3)	93	6.0 (5.9 - 6.1)	6.5 (6.4 - 6.5)
Brain and Other Nervous System	4.4 (3.5 - 5.6)	80	4.7 (4.7 - 4.8)	4.3 (4.3 - 4.4)
Kidney and Renal Pelvis	4.1 (3.2 - 5.2)	78	4.0 (3.9 - 4.1)	3.9 (3.8 - 3.9)
Melanoma of the Skin	3.2 (2.4 - 4.1)	59	3.1 (3.0 - 3.2)	2.7 (2.6 - 2.7)
Oral Cavity and Pharynx	2.9 (2.1 - 3.8)	51	2.4 (2.3 - 2.4)	2.4 (2.4 - 2.5)
Myeloma	2.7 (2.0 - 3.6)	50	3.1 (3.0 - 3.1)	3.3 (3.3 - 3.4)
Acute Myeloid Leukemia	2.6 (1.9 - 3.5)	46	2.9 (2.8 - 3.0)	2.8 (2.7 - 2.8)
Stomach	1.7 (1.1 - 2.5)	31	2.8 (2.7 - 2.9)	3.2 (3.1 - 3.2)
Larynx	1.4 (1.0 - 2.1)	29	1.0 (0.9 - 1.0)	1.0 (1.0 - 1.0)
Thyroid	~	~	0.5 (0.5 - 0.5)	0.5 (0.5 - 0.5)
Ovary	See page 34 for sex specific rates			
Corpus Uteri	See page 34 for sex specific rates			
Cervix Uteri	See page 34 for sex specific rates			
Testis	See page 33 for sex specific rates			

Notes:

-  A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval.
- Tobacco-related cancers, excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia.
- ~ Rates and counts are suppressed for privacy due to fewer than 10 cases.


Data Sources:

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2013)

Age-adjusted Cancer Mortality Rates among Males by Site, Maine 2013

	Male			
	Maine		U.S.	
	AA Rate (95% CI)	Count	U.S. Whites	U.S. All Races
All Malignant Cancers	213.4 (203.3 - 224.0)	1,732	195.7 (194.9 - 196.5)	196.2 (195.5 - 196.9)
Tobacco-related, Excluding Lung and Bronchus	68.6 (62.9 - 74.7)	566	70.6 (70.2 - 71.1)	71.4 (71.0 - 71.8)
Lung and Bronchus	67.7 (62.1 - 73.7)	563	53.8 (53.5 - 54.2)	53.9 (53.5 - 54.2)
Prostate	23.2 (19.8 - 27.0)	173	18.0 (17.7 - 18.2)	19.2 (19.0 - 19.5)
Colon and rectum	14.3 (11.7 - 17.3)	113	16.9 (16.6 - 17.1)	17.3 (17.1 - 17.5)
Pancreas	11.0 (8.8 - 13.6)	94	12.4 (12.2 - 12.6)	12.4 (12.2 - 12.6)
Esophagus	10.2 (8.1 - 12.7)	86	7.5 (7.4 - 7.7)	7.1 (7.0 - 7.3)
Leukemia	8.3 (6.4 - 10.7)	66	9.4 (9.2 - 9.6)	9.1 (8.9 - 9.2)
Urinary Bladder	8.1 (6.2 - 10.4)	64	8.1 (8.0 - 8.3)	7.7 (7.5 - 7.8)
Non-Hodgkin Lymphoma	7.9 (6.0 - 10.3)	59	7.7 (7.5 - 7.8)	7.4 (7.2 - 7.5)
Liver and Intrahepatic Bile Duct	7.9 (6.1 - 10.2)	66	8.8 (8.6 - 8.9)	9.5 (9.4 - 9.7)
Kidney and Renal Pelvis	6.3 (4.7 - 8.4)	54	5.8 (5.6 - 5.9)	5.6 (5.5 - 5.7)
Brain and Other Nervous System	5.4 (3.9 - 7.3)	46	5.6 (5.5 - 5.8)	5.2 (5.1 - 5.3)
Oral Cavity and Pharynx	5.1 (3.6 - 7.0)	41	3.7 (3.6 - 3.8)	3.7 (3.6 - 3.8)
Melanoma of the Skin	4.3 (3.0 - 6.1)	36	4.6 (4.5 - 4.7)	4.0 (3.9 - 4.1)
Myeloma	3.2 (2.1 - 4.8)	25	4.0 (3.9 - 4.1)	4.2 (4.1 - 4.3)
Acute Myeloid Leukemia	2.9 (1.8 - 4.4)	23	3.8 (3.7 - 3.9)	3.7 (3.6 - 3.8)
Stomach	2.4 (1.4 - 3.8)	19	3.8 (3.7 - 3.9)	4.3 (4.2 - 4.4)
Larynx	2.3 (1.4 - 3.6)	22	1.7 (1.7 - 1.8)	1.8 (1.8 - 1.9)
Thyroid	~	~	0.5 (0.5 - 0.6)	0.5 (0.5 - 0.6)
Testis	~	~	0.3 (0.3 - 0.3)	0.2 (0.2 - 0.3)
Breast	~	~	0.3 (0.3 - 0.3)	0.3 (0.3 - 0.3)

Notes:

-  A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval.
- Tobacco-related cancers, excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia.
- ~ Rates and counts are suppressed for privacy due to fewer than 10 cases.


Data Sources:

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2013)

Age-adjusted Cancer Mortality Rates among Females by Site, Maine 2013

	Female			
	Maine		U.S.	
	AA Rate (95% CI)	Count	U.S. Whites	U.S. All Races
All Malignant Cancers	146.3 (138.8 - 154.2)	1,495	139.7 (139.1 - 140.3)	139.1 (138.5 - 139.6)
Lung and Bronchus	45.7 (41.5 - 50.2)	462	36.6 (36.3 - 36.9)	35.4 (35.2 - 35.7)
Tobacco-related, Excluding Lung and Bronchus	36.0 (32.3 - 40.0)	374	37.6 (37.3 - 37.9)	38.5 (38.2 - 38.8)
Breast	18.7 (16.0 - 21.7)	186	20.3 (20.0 - 20.5)	20.7 (20.5 - 20.9)
Colon and rectum	11.1 (9.1 - 13.4)	117	11.9 (11.7 - 12.0)	12.1 (12.0 - 12.3)
Pancreas	10.6 (8.7 - 12.9)	110	9.3 (9.1 - 9.4)	9.4 (9.3 - 9.6)
Non-Hodgkin Lymphoma	5.1 (3.9 - 6.8)	56	4.6 (4.5 - 4.7)	4.4 (4.3 - 4.5)
Ovary	5.1 (3.8 - 6.8)	53	7.5 (7.4 - 7.6)	7.2 (7.1 - 7.3)
Leukemia	4.5 (3.3 - 6.2)	48	5.2 (5.1 - 5.3)	5.0 (4.9 - 5.1)
Corpus Uteri, Uterus NOS	4.2 (3.0 - 5.7)	44	4.3 (4.2 - 4.4)	4.6 (4.5 - 4.7)
Brain and Other Nervous System	3.7 (2.5 - 5.3)	34	4.0 (3.9 - 4.1)	3.6 (3.5 - 3.7)
Urinary Bladder	2.9 (2.0 - 4.3)	31	2.2 (2.1 - 2.2)	2.1 (2.1 - 2.2)
Liver and Intrahepatic Bile Duct	2.7 (1.8 - 4.1)	27	3.6 (3.5 - 3.7)	3.8 (3.8 - 3.9)
Kidney and Renal Pelvis	2.3 (1.4 - 3.5)	24	2.5 (2.5 - 2.6)	2.5 (2.4 - 2.5)
Melanoma of the Skin	2.3 (1.5 - 3.7)	23	1.9 (1.8 - 2.0)	1.6 (1.6 - 1.7)
Myeloma	2.3 (1.5 - 3.5)	25	2.4 (2.3 - 2.5)	2.7 (2.6 - 2.7)
Acute Myeloid Leukemia	2.2 (1.4 - 3.5)	23	2.2 (2.2 - 2.3)	2.1 (2.1 - 2.2)
Esophagus	1.4 (0.8 - 2.4)	15	1.5 (1.4 - 1.5)	1.5 (1.4 - 1.5)
Cervix Uteri	1.3 (0.6 - 2.5)	11	2.2 (2.1 - 2.2)	2.3 (2.3 - 2.4)
Stomach	1.2 (0.6 - 2.3)	12	2.0 (1.9 - 2.1)	2.3 (2.2 - 2.3)
Oral Cavity and Pharynx	0.9 (0.4 - 1.9)	10	1.3 (1.2 - 1.3)	1.3 (1.2 - 1.4)
Larynx	~	~	0.4 (0.3 - 0.4)	0.4 (0.3 - 0.4)
Thyroid	~	~	0.5 (0.4 - 0.5)	0.5 (0.5 - 0.5)

Notes:

-  A shaded cell indicates that the Maine rate is significantly higher than the U.S. White rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; NOS = Not otherwise specified
- Tobacco-related cancers, excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia.
- ~ Rates and counts are suppressed for privacy due to fewer than 10 cases.

Data Sources:

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2013)

All Cancers: Mortality by County of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	188.0 (177.4 - 199.1)	242	231.5 (213.7 - 250.5)	130	156.5 (143.6 - 170.4)	112
Aroostook	188.2 (176.5 - 200.7)	200	229.2 (209.9 - 250.0)	109	158.7 (143.8 - 174.9)	92
Cumberland	173.3 (167.1 - 179.7)	607	208.7 (198.1 - 219.8)	304	150.4 (142.7 - 158.5)	303
Franklin	167.5 (149.8 - 186.8)	69	192.4 (164.5 - 224.1)	36	145.5 (123.6 - 170.8)	32
Hancock	165.4 (152.9 - 178.8)	136	197.8 (177.4 - 220.2)	73	142.3 (126.6 - 159.7)	63
Kennebec	193.2 (183.5 - 203.3)	308	238.2 (221.9 - 255.3)	167	160.1 (148.2 - 172.8)	140
Knox	169.4 (155.1 - 184.9)	108	215.6 (191.6 - 242.2)	61	133.9 (116.6 - 153.5)	47
Lincoln	170.6 (155.4 - 187.2)	99	200.6 (176.6 - 227.5)	53	150.2 (130.2 - 172.9)	46
Oxford	189.0 (175.6 - 203.2)	154	233.2 (211.1 - 257.1)	86	156.7 (140.1 - 175.0)	68
Penobscot	187.5 (178.8 - 196.6)	355	231.0 (216.2 - 246.4)	191	156.3 (145.6 - 167.7)	164
Piscataquis	194.0 (170.8 - 220.1)	53	228.6 (191.6 - 271.8)	29	162.4 (134.2 - 196.2)	24
Sagadahoc	173.6 (156.8 - 191.8)	82	196.8 (170.1 - 226.9)	41	156.5 (135.3 - 180.6)	41
Somerset	200.2 (185.4 - 216.0)	139	243.0 (218.5 - 269.6)	76	165.0 (147.1 - 184.8)	63
Waldo	180.1 (163.7 - 197.8)	93	213.3 (186.5 - 243.2)	49	156.2 (135.7 - 179.2)	45
Washington	216.7 (198.6 - 236.2)	110	273.1 (242.7 - 306.8)	61	173.0 (151.4 - 197.5)	49
York	173.7 (166.5 - 181.2)	451	211.1 (199.0 - 223.8)	238	146.6 (137.7 - 155.9)	213
Maine	181.4 (178.5 - 184.3)	3,207	220.6 (215.8 - 225.4)	1,703	153.0 (149.5 - 156.6)	1,504

All Cancers: Mortality by Public Health District of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	188.2 (176.5 - 200.7)	200	229.2 (209.9 - 250.0)	109	158.7 (143.8 - 174.9)	92
Central	195.2 (187.1 - 203.6)	447	239.5 (225.9 - 253.7)	244	161.6 (151.6 - 172.1)	203
Cumberland	173.3 (167.1 - 179.7)	607	208.7 (198.1 - 219.8)	304	150.4 (142.7 - 158.5)	303
Downeast	184.9 (174.5 - 195.8)	246	227.1 (209.7 - 245.6)	134	153.3 (140.6 - 167.2)	112
Midcoast	173.0 (165.2 - 181.2)	383	206.7 (193.9 - 220.2)	203	148.2 (138.3 - 158.7)	179
Penquis	188.4 (180.2 - 196.9)	408	230.3 (216.6 - 244.6)	220	157.3 (147.2 - 167.9)	188
Western	184.8 (177.3 - 192.6)	464	225.2 (212.6 - 238.3)	252	154.9 (145.6 - 164.8)	213
York	173.7 (166.5 - 181.2)	451	211.1 (199.0 - 223.8)	238	146.6 (137.7 - 155.9)	213
Maine	181.4 (178.5 - 184.3)	3,207	220.6 (215.8 - 225.4)	1,703	153.0 (149.5 - 156.6)	1,504

Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2013)

Lung and Bronchus Cancer: Mortality by County of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	60.8 (54.9 - 67.2)	80	75.1 (65.3 - 85.9)	44	48.9 (41.8 - 56.9)	35
Aroostook	62.2 (55.6 - 69.4)	68	78.5 (67.6 - 90.9)	39	49.9 (41.9 - 59.2)	29
Cumberland	48.9 (45.6 - 52.4)	169	60.3 (54.6 - 66.3)	88	40.9 (36.9 - 45.3)	81
Franklin	48.3 (39.0 - 59.3)	20	53.3 (39.2 - 71.3)	10	43.9 (32.2 - 59.1)	10
Hancock	47.1 (40.6 - 54.6)	39	55.5 (45.1 - 67.8)	21	40.8 (32.6 - 50.9)	18
Kennebec	57.3 (52.1 - 62.9)	91	69.9 (61.3 - 79.4)	50	47.5 (41.1 - 54.6)	41
Knox	49.2 (41.6 - 58.1)	31	63.9 (51.2 - 79.2)	18	38.5 (29.4 - 50.2)	13
Lincoln	43.8 (36.4 - 52.6)	26	48.2 (37.0 - 62.5)	13	41.8 (31.9 - 54.7)	13
Oxford	60.9 (53.4 - 69.2)	50	73.5 (61.6 - 87.3)	28	50.9 (41.6 - 61.9)	22
Penobscot	60.4 (55.5 - 65.7)	116	76.6 (68.3 - 85.5)	65	48.3 (42.5 - 54.9)	50
Piscataquis	56.3 (44.1 - 71.5)	15	72.7 (53.0 - 98.7)	9	41.1 (27.1 - 61.4)	6
Sagadahoc	49.3 (40.5 - 59.5)	23	56.3 (42.6 - 73.4)	12	44.0 (33.0 - 58.0)	11
Somerset	57.9 (50.1 - 66.7)	41	79.6 (66.1 - 95.4)	26	39.8 (31.2 - 50.2)	15
Waldo	56.5 (47.5 - 67.0)	29	65.5 (51.1 - 82.8)	15	49.9 (38.5 - 64.0)	14
Washington	61.1 (51.6 - 72.0)	31	72.0 (57.3 - 90.0)	17	51.9 (40.0 - 66.7)	14
York	48.3 (44.5 - 52.3)	127	56.2 (50.2 - 62.9)	66	42.1 (37.5 - 47.3)	61
Maine	53.7 (52.2 - 55.3)	954	65.8 (63.2 - 68.4)	522	44.5 (42.6 - 46.5)	433

Lung and Bronchus Cancer: Mortality by Public Health District of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	62.2 (55.6 - 69.4)	68	78.5 (67.6 - 90.9)	39	49.9 (41.9 - 59.2)	29
Central	57.4 (53.1 - 62.1)	132	72.8 (65.4 - 80.7)	76	45.2 (40.0 - 50.9)	56
Cumberland	48.9 (45.6 - 52.4)	169	60.3 (54.6 - 66.3)	88	40.9 (36.9 - 45.3)	81
Downeast	52.6 (47.1 - 58.6)	70	61.9 (53.2 - 71.8)	38	45.1 (38.1 - 53.1)	32
Midcoast	49.5 (45.3 - 54.0)	109	58.5 (51.8 - 65.9)	58	43.2 (37.9 - 49.2)	51
Penquis	59.7 (55.2 - 64.5)	131	75.7 (68.1 - 84.0)	75	47.3 (41.9 - 53.4)	56
Western	58.5 (54.3 - 63.0)	149	70.6 (63.8 - 77.9)	82	48.6 (43.4 - 54.2)	67
York	48.3 (44.5 - 52.3)	127	56.2 (50.2 - 62.9)	66	42.1 (37.5 - 47.3)	61
Maine	53.7 (52.2 - 55.3)	954	65.8 (63.2 - 68.4)	522	44.5 (42.6 - 46.5)	433

Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2013)

Tobacco-related Cancers, Excluding Lung and Bronchus: Mortality by County of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	57.5 (51.7 - 63.8)	74	82.0 (71.5 - 93.7)	46	38.7 (32.4 - 45.9)	28
Aroostook	57.8 (51.4 - 64.9)	62	77.1 (66.2 - 89.6)	37	41.6 (34.3 - 50.3)	25
Cumberland	54.0 (50.6 - 57.7)	190	75.3 (69.0 - 82.0)	111	38.9 (35.1 - 43.2)	79
Franklin	51.7 (42.3 - 62.9)	22	67.6 (51.8 - 87.1)	13	37.0 (26.6 - 50.9)	9
Hancock	42.9 (36.7 - 50.1)	35	57.0 (46.4 - 69.6)	22	30.8 (23.7 - 39.6)	14
Kennebec	59.7 (54.4 - 65.4)	96	79.4 (70.3 - 89.5)	58	43.9 (37.7 - 51.0)	38
Knox	53.5 (45.6 - 62.7)	34	82.7 (67.9 - 100.1)	23	28.7 (21.4 - 38.6)	11
Lincoln	49.6 (41.7 - 58.9)	29	67.2 (53.7 - 83.6)	18	35.2 (26.3 - 47.0)	11
Oxford	58.7 (51.4 - 66.8)	48	83.1 (70.3 - 97.9)	31	38.8 (30.9 - 48.4)	17
Penobscot	52.2 (47.6 - 57.2)	98	70.6 (62.5 - 79.4)	58	37.9 (32.7 - 43.8)	40
Piscataquis	58.9 (46.5 - 74.2)	17	79.9 (58.8 - 107.3)	11	38.8 (26.0 - 57.6)	6
Sagadahoc	46.6 (38.2 - 56.5)	22	49.1 (36.4 - 65.1)	11	43.4 (32.9 - 56.8)	12
Somerset	61.6 (53.5 - 70.7)	43	83.8 (69.8 - 100.0)	27	41.8 (33.1 - 52.6)	16
Waldo	52.0 (43.6 - 61.7)	28	76.7 (61.2 - 95.1)	18	32.6 (24.1 - 43.7)	10
Washington	65.9 (56.3 - 77.1)	34	87.8 (71.3 - 107.5)	21	46.2 (35.6 - 59.7)	14
York	55.2 (51.1 - 59.5)	143	74.8 (67.7 - 82.4)	86	39.3 (34.8 - 44.3)	57
Maine	55.0 (53.4 - 56.6)	975	75.1 (72.4 - 78.0)	589	38.8 (37.1 - 40.7)	386

Tobacco-related Cancers, Excluding Lung and Bronchus: Mortality by Public Health District of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	57.8 (51.4 - 64.9)	62	77.1 (66.2 - 89.6)	37	41.6 (34.3 - 50.3)	25
Central	60.3 (55.9 - 65.1)	139	81.0 (73.3 - 89.4)	85	43.3 (38.2 - 49.0)	54
Cumberland	54.0 (50.6 - 57.7)	190	75.3 (69.0 - 82.0)	111	38.9 (35.1 - 43.2)	79
Downeast	51.5 (46.1 - 57.4)	70	68.8 (59.6 - 79.3)	42	36.2 (30.2 - 43.2)	27
Midcoast	50.6 (46.5 - 55.1)	114	69.6 (62.3 - 77.6)	70	34.7 (30.2 - 39.8)	44
Penquis	53.3 (48.9 - 57.9)	114	72.0 (64.4 - 80.2)	69	38.2 (33.3 - 43.7)	46
Western	57.0 (52.9 - 61.4)	144	80.0 (72.6 - 88.0)	90	38.5 (34.0 - 43.6)	54
York	55.2 (51.1 - 59.5)	143	74.8 (67.7 - 82.4)	86	39.3 (34.8 - 44.3)	57
Maine	55.0 (53.4 - 56.6)	975	75.1 (72.4 - 78.0)	589	38.8 (37.1 - 40.7)	386

Notes:

- A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Tobacco-related cancers, excluding lung and bronchus defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia.
- Subgroup counts might not sum to Maine total due to rounding.

Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2013)


Prostate Cancer: Mortality by County of Residence, Maine 2009-2013

Prostate Cancer: Mortality by Public Health District of Residence, Maine 2009-2013

	Male	
	AA Rate (95% CI)	Count/Yr
Androscoggin	16.0 (11.4 - 21.8)	8
Aroostook	18.7 (13.3 - 25.8)	8
Cumberland	20.5 (17.2 - 24.3)	27
Franklin	11.5 (5.6 - 21.5)	2
Hancock	27.5 (19.9 - 37.3)	9
Kennebec	25.6 (20.4 - 31.9)	17
Knox	20.8 (13.9 - 30.4)	6
Lincoln	19.8 (12.7 - 30.0)	5
Oxford	16.5 (10.8 - 24.4)	5
Penobscot	*	*
Piscataquis	~	~
Sagadahoc	27.3 (17.5 - 40.7)	5
Somerset	23.1 (15.7 - 33.0)	6
Waldo	18.1 (10.7 - 28.8)	4
Washington	39.0 (27.8 - 53.6)	8
York	20.2 (16.4 - 24.6)	20
Maine	21.1 (19.6 - 22.7)	149

	Male	
	AA Rate (95% CI)	Count/Yr
Aroostook	18.7 (13.3 - 25.8)	8
Central	24.9 (20.5 - 30.0)	23
Cumberland	20.5 (17.2 - 24.3)	27
Downeast	31.9 (25.4 - 39.8)	17
Midcoast	21.5 (17.4 - 26.3)	20
Penquis	20.2 (16.1 - 25.0)	17
Western	15.4 (12.1 - 19.3)	16
York	20.2 (16.4 - 24.6)	20
Maine	21.1 (19.6 - 22.7)	149

Notes:

-  A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- ~ Rates and counts are suppressed for privacy due to fewer than 10 cases over five year period.
- * Rates and counts are suppressed due to complementary suppression privacy rules.
- Subgroup counts might not sum to Maine total due to rounding.

Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2013)


Female Breast Cancer: Mortality by County of Residence, Maine 2009-2013

	Female	
	AA Rate (95% CI)	Count/Yr
Androscoggin	17.1 (12.9 - 22.4)	12
Aroostook	17.2 (12.2 - 23.8)	9
Cumberland	22.1 (19.1 - 25.4)	43
Franklin	22.5 (14.1 - 34.6)	5
Hancock	19.1 (13.6 - 26.6)	8
Kennebec	19.0 (15.0 - 23.8)	17
Knox	17.2 (11.2 - 25.8)	6
Lincoln	16.0 (10.0 - 25.3)	5
Oxford	15.5 (10.7 - 22.2)	7
Penobscot	18.0 (14.5 - 22.3)	19
Piscataquis	22.1 (12.6 - 38.2)	3
Sagadahoc	18.6 (11.4 - 29.2)	4
Somerset	19.3 (13.5 - 27.1)	7
Waldo	17.1 (10.8 - 26.3)	5
Washington	23.1 (15.8 - 33.6)	7
York	16.9 (14.0 - 20.2)	25
Maine	18.8 (17.6 - 20.2)	181

Female Breast Cancer: Mortality by Public Health District of Residence, Maine 2009-2013

	Female	
	AA Rate (95% CI)	Count/Yr
Aroostook	17.2 (12.2 - 23.8)	9
Central	19.0 (15.7 - 22.9)	24
Cumberland	22.1 (19.1 - 25.4)	43
Downeast	20.5 (16.0 - 26.2)	15
Midcoast	17.3 (13.9 - 21.4)	20
Penquis	18.6 (15.2 - 22.5)	22
Western	17.5 (14.4 - 21.2)	23
York	16.9 (14.0 - 20.2)	25
Maine	18.8 (17.6 - 20.2)	181

Notes:

-  A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2013)


Colon and Rectum Cancer: Mortality by County of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	13.2 (10.5 - 16.5)	17	17.1 (12.4 - 22.9)	9	10.7 (7.4 - 15.0)	7
Aroostook	15.8 (12.5 - 19.8)	17	15.9 (11.2 - 22.2)	8	15.3 (10.9 - 21.1)	9
Cumberland	13.2 (11.5 - 15.0)	46	15.8 (13.0 - 19.1)	23	11.5 (9.5 - 14.0)	24
Franklin	18.8 (13.2 - 26.3)	8	21.3 (12.6 - 34.1)	4	16.7 (9.8 - 27.2)	4
Hancock	13.2 (9.9 - 17.5)	11	13.6 (8.7 - 20.7)	5	12.4 (8.2 - 18.5)	6
Kennebec	16.8 (14.0 - 20.0)	27	20.4 (15.8 - 25.9)	14	14.1 (10.7 - 18.3)	12
Knox	9.8 (6.7 - 14.1)	7	11.7 (6.7 - 19.4)	3	8.0 (4.5 - 14.3)	3
Lincoln	9.9 (6.6 - 14.7)	6	12.6 (7.3 - 21.2)	3	7.9 (4.1 - 15.0)	3
Oxford	14.5 (11.0 - 19.0)	12	18.4 (12.5 - 26.4)	6	11.0 (7.3 - 16.6)	5
Penobscot	14.4 (12.0 - 17.2)	27	16.0 (12.3 - 20.5)	13	13.2 (10.2 - 17.0)	14
Piscataquis	19.6 (12.7 - 29.7)	5	23.0 (12.3 - 40.7)	3	15.0 (7.6 - 28.9)	2
Sagadahoc	12.4 (8.3 - 17.9)	6	10.0 (4.8 - 18.7)	2	13.8 (8.3 - 22.2)	4
Somerset	13.6 (9.9 - 18.4)	9	13.2 (7.8 - 20.9)	4	13.8 (9.0 - 20.7)	5
Waldo	19.5 (14.5 - 25.9)	10	27.0 (18.0 - 39.1)	6	13.8 (8.6 - 21.8)	4
Washington	18.2 (13.2 - 24.7)	9	22.8 (14.6 - 34.5)	5	14.1 (8.6 - 22.8)	4
York	14.7 (12.7 - 17.1)	38	17.9 (14.5 - 22.0)	20	12.2 (9.8 - 15.2)	18
Maine	14.4 (13.6 - 15.3)	254	17.0 (15.7 - 18.4)	129	12.5 (11.5 - 13.5)	125

Colon and Rectum Cancer: Mortality by Public Health District of Residence, Maine 2009-2013

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	15.8 (12.5 - 19.8)	17	15.9 (11.2 - 22.2)	8	15.3 (10.9 - 21.1)	9
Central	15.8 (13.5 - 18.3)	36	18.2 (14.5 - 22.5)	18	14.0 (11.1 - 17.4)	17
Cumberland	13.2 (11.5 - 15.0)	46	15.8 (13.0 - 19.1)	23	11.5 (9.5 - 14.0)	24
Downeast	15.1 (12.2 - 18.6)	20	17.3 (12.7 - 23.1)	10	13.0 (9.6 - 17.5)	10
Midcoast	12.6 (10.6 - 14.9)	29	15.0 (11.7 - 18.9)	15	10.6 (8.2 - 13.6)	14
Penquis	15.1 (12.8 - 17.7)	32	17.0 (13.4 - 21.3)	16	13.4 (10.6 - 16.9)	16
Western	14.5 (12.5 - 16.9)	36	18.2 (14.7 - 22.3)	19	11.8 (9.3 - 14.8)	17
York	14.7 (12.7 - 17.1)	38	17.9 (14.5 - 22.0)	20	12.2 (9.8 - 15.2)	18
Maine	14.4 (13.6 - 15.3)	254	17.0 (15.7 - 18.4)	129	12.5 (11.5 - 13.5)	125

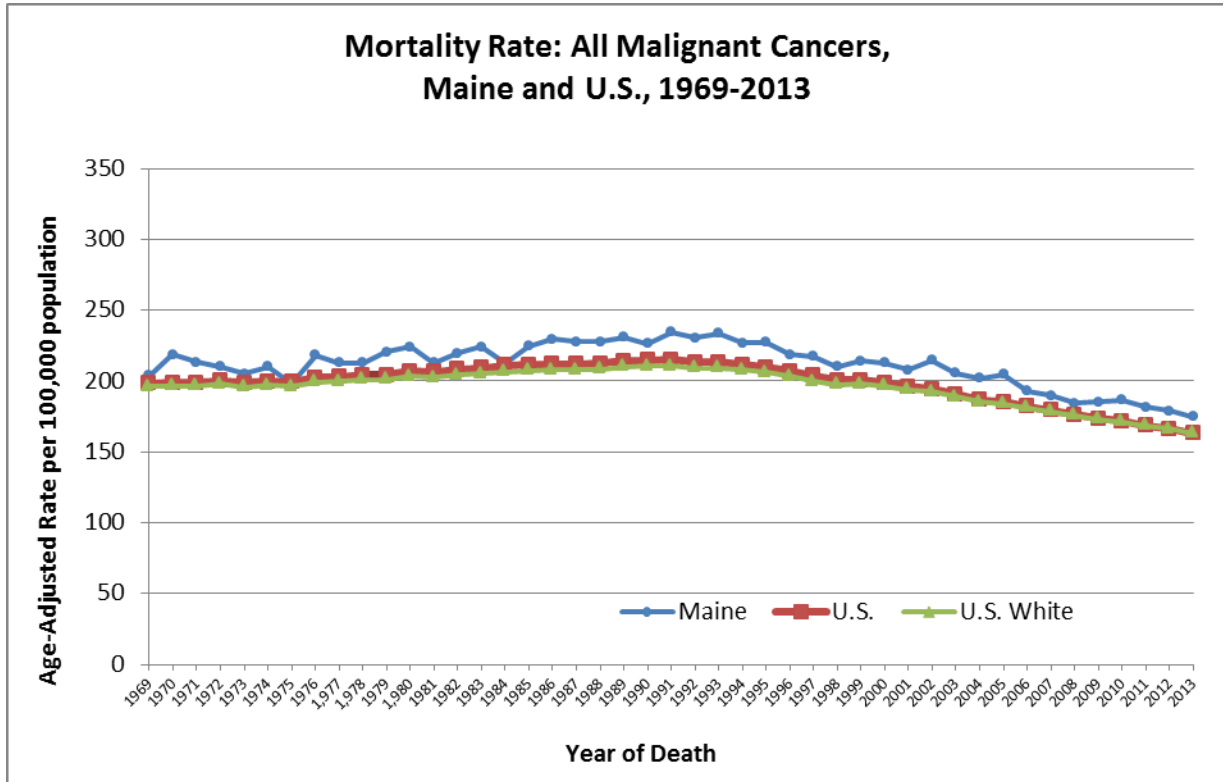
Notes:

-  A shaded cell indicates that the County/District rate is significantly higher than the Maine rate.
- Mortality case definitions are based on ICD-10 codes (See Appendix 3).
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count.
- Subgroup counts might not sum to Maine total due to rounding.

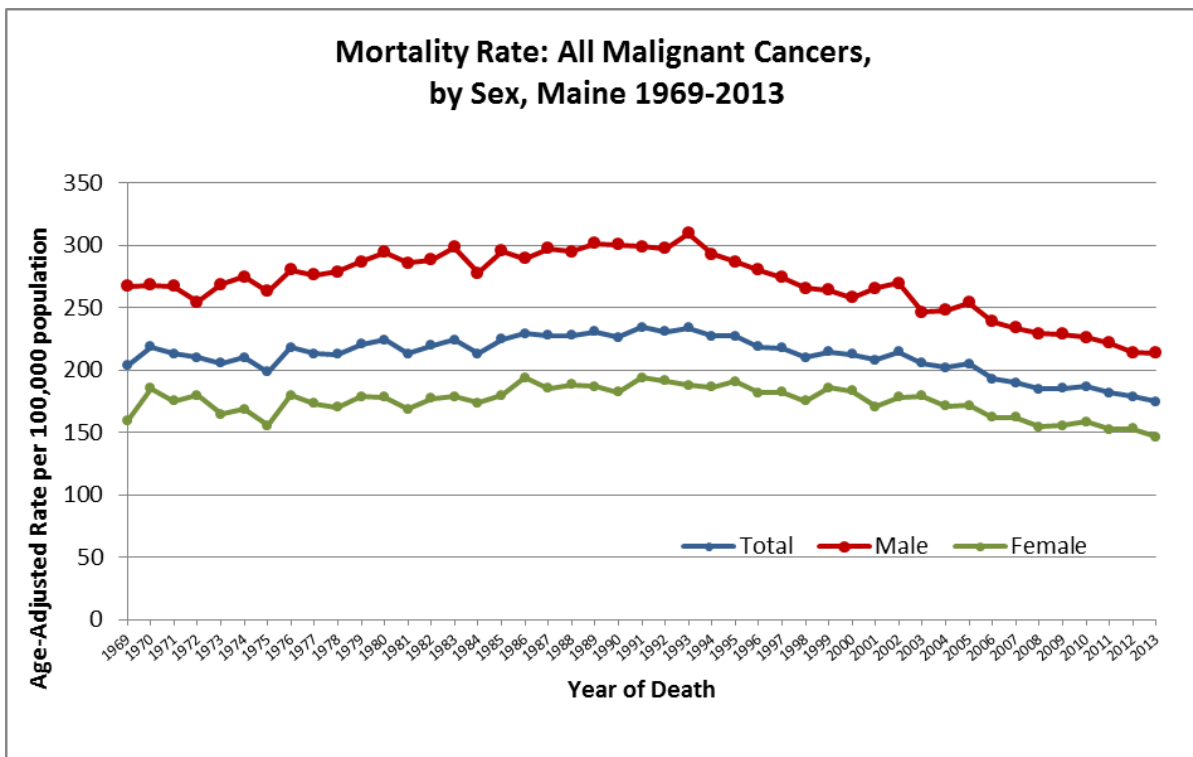
Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2013)

Age-adjusted Cancer Mortality Trend: All Malignant Cancers, U.S. and Maine 1969-2013



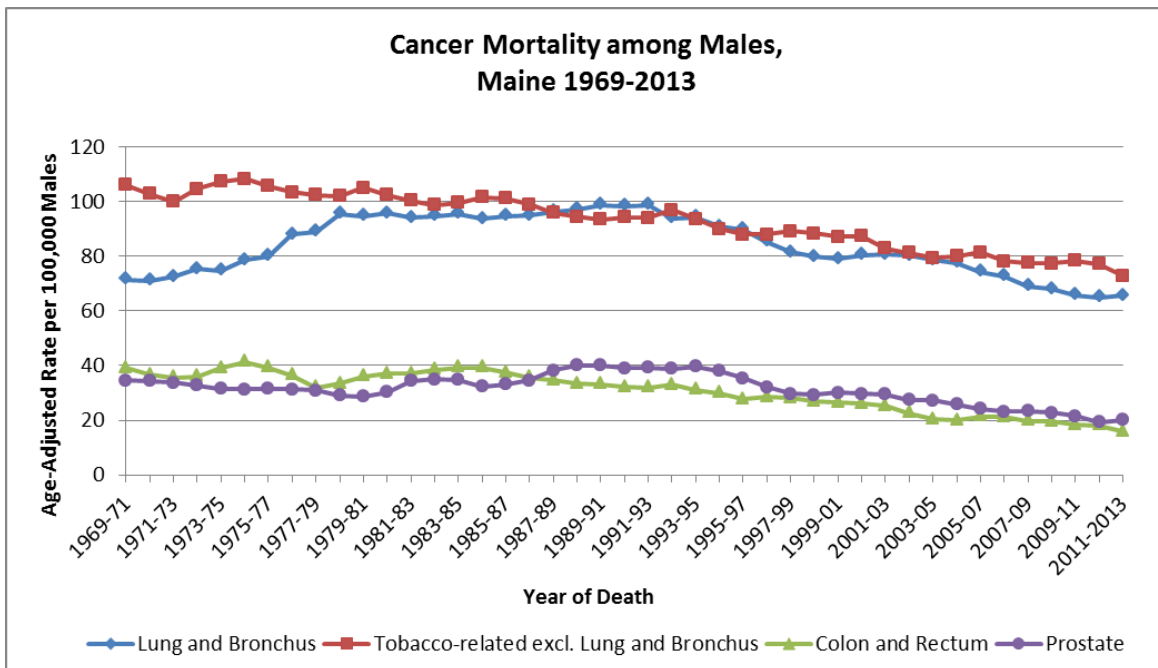
Age-adjusted Cancer Mortality Trend: All Malignant Cancers, Maine 1969-2013



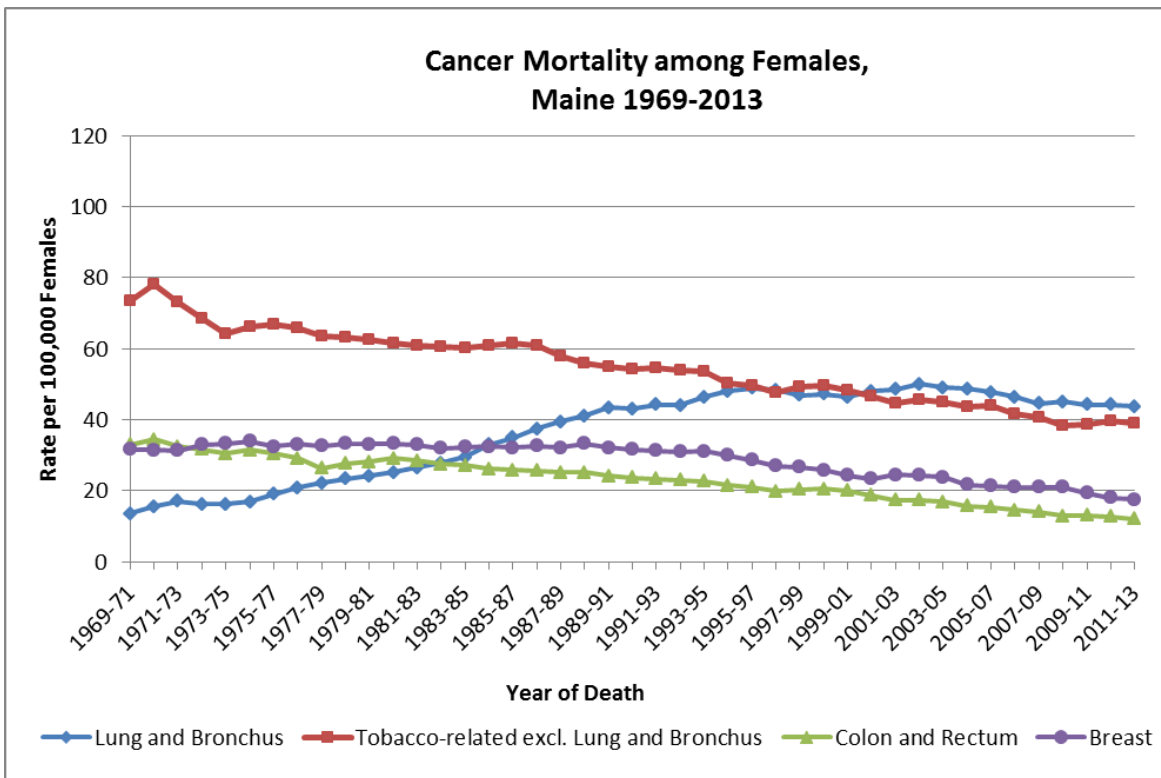
Data Source:

National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2013)

Age-adjusted Cancer Mortality Trend: Leading Causes among Males, Maine 1969-2013



Age-adjusted Cancer Mortality Trend: Leading Causes among Females, Maine 1969-2013



Notes:

Tobacco-related cancers, excl. lung defined as laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical, colon and rectum, liver and acute myeloid leukemia

Data Source:

National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2013)

APPENDIX 1

INCIDENCE CASE DEFINITIONS

Incidence data are based on SEER site recode ICD-O-3/WHO 2008 definitions, version 2008. Available at: http://www.seer.cancer.gov/siterecode/icdo3_dwhohome/index.html. The primary site reported is the site of origin and not the metastatic site. In general, the incidence rate does not include recurrences. The number of cancers may include multiple primary cancers occurring in one patient.

Site Recode ICD-O-3/WHO 2008 Definition*^

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
Oral Cavity and Pharynx			
Lip	C000-C009	excluding 9050-9055, 9140, 9590-9992	20010
Tongue	C019-C029		20020
Salivary Gland	C079-C089		20030
Floor of Mouth	C040-C049		20040
Gum and Other Mouth	C030-C039, C050-C059, C060-C069		20050
Nasopharynx	C110-C119		20060
Tonsil	C090-C099		20070
Oropharynx	C100-C109		20080
Hypopharynx	C129, C130-C139		20090
Other Oral Cavity and Pharynx	C140, C142-C148		20100
Digestive System			
Esophagus	C150-C159	excluding 9050-9055, 9140, 9590-9992	21010
Stomach	C160-C169		21020
Small Intestine	C170-C179		21030
Colon and Rectum			
Colon excluding Rectum			
Cecum	C180	excluding 9050-9055, 9140, 9590-9992	21041
Appendix	C181		21042
Ascending Colon	C182		21043
Hepatic Flexure	C183		21044
Transverse Colon	C184		21045
Splenic Flexure	C185		21046
Descending Colon	C186		21047
Sigmoid Colon	C187		21048
Large Intestine, NOS	C188-C189, C260		21049
Rectum and Rectosigmoid Junction			
Rectosigmoid Junction	C199	excluding 9050-9055, 9140, 9590-9992	21051
Rectum	C209		21052
Anus, Anal Canal and Anorectum	C210-C212, C218		21060
Liver and Intrahepatic Bile Duct			
Liver	C220	excluding 9050-9055, 9140, 9590-9992	21071
Intrahepatic Bile Duct	C221		21072
Gallbladder	C239		21080
Other Biliary	C240-C249		21090
Pancreas	C250-C259		21100
Retroperitoneum	C480		21110
Peritoneum, Omentum and Mesentery	C481-C482		21120
Other Digestive Organs	C268-C269, C488		21130

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Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
Respiratory System			
Nose, Nasal Cavity and Middle Ear	C300-C301, C310-C319	excluding 9050-9055, 9140, 9590-9992	22010
Larynx	C320-C329		22020
Lung and Bronchus	C340-C349		22030
Pleura	C384		22050
Trachea, Mediastinum and Other Respiratory Organs	C339, C381-C383, C388, C390, C398, C399		22060
Bones and Joints	C400-C419	excluding 9050-9055, 9140, 9590-9992	23000
Soft Tissue including Heart	C380, C470-C479, C490-C499	excluding 9050-9055, 9140, 9590-9992	24000
Skin excluding Basal and Squamous			
Melanoma of the Skin	C440-C449	8720-8790	25010
Other Non-Epithelial Skin	C440-C449	excluding 8000-8005, 8010-8046, 8050-8084, 8090-8110, 8720-8790, 9050-9055, 9140, 9590-9992	25020
Breast	C500-C509	excluding 9050-9055, 9140, 9590-9992	26000
Female Genital System			
Cervix Uteri	C530-C539	excluding 9050-9055, 9140, 9590-9992	27010
Corpus Uteri and Uterus, NOS			
Corpus Uteri	C540-C549	excluding 9050-9055, 9140, 9590-9992	27020
Uterus, NOS	C559		27030
Ovary	C569		27040
Vagina	C529		27050
Vulva	C510-C519		27060
Other Female Genital Organs	C570-C589		27070
Male Genital System			
Prostate	C619	excluding 9050-9055, 9140, 9590-9992	28010
Testis	C620-C629		28020
Penis	C600-C609		28030
Other Male Genital Organs	C630-C639		28040
Urinary System			
Urinary Bladder	C670-C679	excluding 9050-9055, 9140, 9590-9992	29010
Kidney and Renal Pelvis	C649, C659		29020
Ureter	C669		29030
Other Urinary Organs	C680-C689		29040
Eye and Orbit	C690-C699	excluding 9050-9055, 9140, 9590-9992	30000
Brain and Other Nervous System			
Brain	C710-C719	excluding 9050-9055, 9140, 9530-9539, 9590-9992	31010
Cranial Nerves Other Nervous System	C710-C719	9530-9539	31040
	C700-C709, C720-C729	excluding 9050-9055, 9140, 9590-9992	
Endocrine System			
Thyroid	C739	excluding 9050-9055, 9140, 9590-9992	32010
Other Endocrine including Thymus	C379, C740-C749, C750-C759		32020
Lymphoma			
Hodgkin Lymphoma			
Hodgkin - Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9650-9667	33011
Hodgkin - Extranodal	All other sites		33012
Non-Hodgkin Lymphoma			
NHL - Nodal	C024, C098, C099, C111, C142, C379, C422, C770-C779	9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9735, 9737-9738, 9811-9818, 9823, 9827, 9837	33041
NHL - Extranodal	All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9735, 9737-9738	33042

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
	All sites except C024, C098-C099, C111, C142, C379, C420-C422, C424, C770-C779	9811-9818, 9823, 9827, 9837	
Myeloma		9731-9732, 9734	34000
Leukemia			
Lymphocytic Leukemia			
Acute Lymphocytic Leukemia		9826, 9835-9836	35011
	C420, C421, C424	9811-9818, 9837	
Chronic Lymphocytic Leukemia	C420, C421, C424	9823	35012
Other Lymphocytic Leukemia		9820, 9832-9834, 9940	35013
Myeloid and Monocytic Leukemia			
Acute Myeloid Leukemia		9840, 9861, 9865-9867, 9869, 9871-9874, 9895-9897, 9898, 9910-9911, 9920	35021
Acute Monocytic Leukemia		9891	35031
Chronic Myeloid Leukemia		9863, 9875-9876, 9945-9946	35022
Other Myeloid/Monocytic Leukemia		9860, 9930	35023
Other Leukemia			
Other Acute Leukemia		9801, 9805-9809, 9931	35041
Aleukemic, subleukemic and NOS		9733, 9742, 9800, 9831, 9870, 9948, 9963-9964	35043
	C420, C421, C424	9827	
Mesothelioma		9050-9055	36010
Kaposi Sarcoma		9140	36020
Miscellaneous		9740-9741, 9750-9769, 9950, 9960-9962, 9965-9967, 9970-9971, 9975, 9980, 9982-9987, 9989, 9991-9992	37000
	C760-C768, C809	excluding 9050-9055, 9140, 9590-9992	
	C420-C424		
	C770-C779		
Invalid	Site or histology code not within valid range or site code not found in this table.		99999

* This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

^ Subject to change based on evolving ICD-O-3 coding rules.

APPENDIX 2

INCIDENCE CASE DEFINITIONS

Definitions of Groups of Cancers (HPV, Obesity, Tobacco)

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)
HPV-associated cancers*		
Cervix	C530, C531, C538, C539	All carcinomas (8010-8671, 8940-8941)
Vagina	C529	Squamous cell carcinomas (8050-8084, 8120-8131)
Vulva	C510, C511, C512, C518, C519	Squamous cell carcinomas (8050-8084, 8120-8131)
Anus (including rectum)	C210, C211, C212, C218, C209	Squamous cell carcinomas (8050-8084, 8120-8131)
Penis	C600, C601, C602, C608, C609	Squamous cell carcinomas (8050-8084, 8120-8131)
Oral Cavity and Oropharynx (including base of tongue, tonsils, and other oropharynx)	C019, C024, C090, C091, C098, C099, C142, C028, C102, C108, C109, C140, C148	Squamous cell carcinomas (8050-8084, 8120-8131)
*HPV-associated sites as defined in: Watson M, Saraiya M, Ahmed F, et al. Using population-based cancer registry data to assess the burden of HPV-associated cancers in the United States: overview of methods. <i>Cancer</i> . 2008;113:2841–54. Accessed from http://onlinelibrary.wiley.com/doi/10.1002/cncr.23758/pdf .		
Obesity-related cancers		
Colon and Rectum	C180, C181, C182, C183, C184, C185, C186, C187, C188-C189, C260, C199, C209	excluding 9050-9055, 9140, 9590-9992
Esophagus	C150-C159	Adenocarcinomas 8140-8149, 8160-8162, 8190-8221, 8260-8337, 8350-8551, 8570-8576, 8940-8941
Kidney and Renal Pelvis	C649, C659	excluding 9050-9055, 9140, 9590-9992
Pancreas,	C250-C259	excluding 9050-9055, 9140, 9590-9992
Corpus and uterus, NOS (not otherwise specified)	C540-C549, C559	excluding 9050-9055, 9140, 9590-9992
Breast (limited to post-menopausal and is defined as women age 50 years and older)	C500-C509	excluding 9050-9055, 9140, 9590-9992
Tobacco-related cancers (excl. lung and bronchus)		
Laryngeal	C320-C329	excluding 9050-9055, 9140, 9590-9992
Oral Cavity and Pharynx	C000-C009, C019-C029, C079-C089, C040-C049, C030-C039, C050-C059, C060-C069, C110-C119, C090-C099, C100-C109, C129, C130-C139, C140, C142-C148	excluding 9050-9055, 9140, 9590-9992
Esophagus	C150-C159	excluding 9050-9055, 9140, 9590-9992
Stomach	C160-C169	excluding 9050-9055, 9140, 9590-9992
Pancreas	C250-C259	excluding 9050-9055, 9140, 9590-9992
Kidney and Renal Pelvis	C649, C659	excluding 9050-9055, 9140, 9590-9992
Cervix Uteri	C530-C539	excluding 9050-9055, 9140, 9590-9992
Urinary Bladder	C670-C679	excluding 9050-9055, 9140, 9590-9992
Acute Myeloid Leukemia	Used recode 35021	9840, 9861, 9865-9867, 9869, 9871-9874, 9895-9897, 9898, 9910-9911, 9920
Colon excluding Rectum	C180, C181, C182, C183, C184, C185, C186, C187, C188-C189, C206	excluding 9050-9055, 9140, 9590-9992
Rectum and Rectosigmoid Junction	C199, C209	excluding 9050-9055, 9140, 9590-9992
Liver	C220	excluding 9050-9055, 9140, 9590-9992

Appendix 3

MORTALITY CASE DEFINITIONS

SEER major site groupings of cause of death based on the International Classification of Diseases.
http://seer.cancer.gov/codrecode/1969+_d04162012/index.html

Site	ICD-10 Codes
All Sites	C00–C97
Brain and Other Nervous System	C70-C72
Breast	C50
Cervix Uteri	C53
Colon and Rectum	C18-C20, C26.0
Corpus Uterus	C54, C55
Esophagus	C15
Hodgkin Lymphoma	C81
Kidney and Renal Pelvis	C64-C65
Larynx	C32
Leukemia	C90.1, C91-C95
Liver & Intrahepatic Bile Duct	C22.0-C22.4, C22.7, C22.9
Lung and Bronchus	C34
Melanoma of the Skin	C43
Myeloma	C90.0, C90.2
Non-Hodgkin Lymphoma	C82-C85, C96.3
Oral Cavity and Pharynx	C00-C14
Ovary	C56
Pancreas	C25
Prostate	C61
Stomach	C16
Testis	C62
Thyroid	C73
Urinary Bladder	C67

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