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# Maine Annual Cancer Report 2011

Maine Department of Health and Human Services

Maine Center for Disease Control and Prevention

Maine Cancer Registry

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# **Maine Annual Cancer Report**

## **2008 Cancer Incidence**

## **2007 Cancer Mortality**

**Published July 2011**

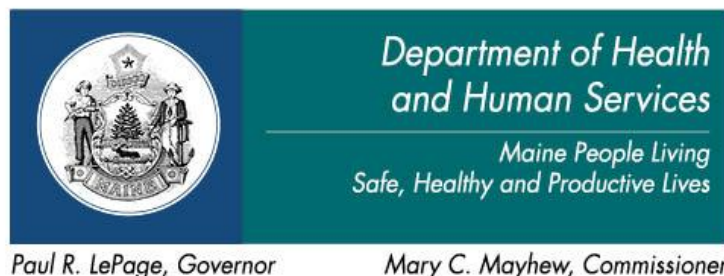
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## Acknowledgements

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## Introduction

The Maine Cancer Registry collects information on all cancer cases diagnosed in Maine according to State Law Title 22, Chapter 255. The 2011 annual report is based on 2008 cancer incidence and 2007 cancer mortality data, and provides information on the most frequently diagnosed cancer types in Maine.

The purpose of this report is to summarize data on newly diagnosed cases of cancer (incidence) and deaths associated with cancer (mortality) among Maine residents. Data are also presented at the county and public health district levels for all cancer types combined, the top four cancers in Maine (namely: female breast, prostate, lung, and colorectal cancers), and tobacco-related cancers combined (excluding lung cancer).

The information contained in this report may be used in conjunction with other data sources to determine disease burden, and to guide programs and policies targeted at reducing the impact of cancer.

Summary of New Features: The following is a summary of new features added to this report in recent years:

- Age-specific incidence data are presented for the top four cancer sites in Maine.
- Data are presented for malignant and non-malignant incident cases of brain and other nervous system tumors.
- Data are presented for “tobacco-related cancers”.
- For national comparisons, rates for *all races* are provided in addition to rates for *whites*.
- County-level and public health district-level maps of incidence and mortality rates for all cancer types combined are provided.

## Technical Notes

Tobacco-related Cancers: Tobacco-related cancers excluding lung cancer are included in this report due to their increasing clinical and epidemiologic significance. According to a 2008 MMWR surveillance summary (*Surveillance for Cancers Associated with Tobacco Use — United States, 1999–2004*), tobacco-related cancers are those that are defined by the U.S. Surgeon General as having direct causal relationships to tobacco use. The list of tobacco-related cancers was expanded in 2004 to include the following: lung, laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia.

Data Sources: Maine incidence data are obtained from the Maine Cancer Registry. Estimates of national incidence data are derived from the Surveillance, Epidemiology and End Results (SEER) Program of the National Cancer Institute. The SEER dataset used in this report (SEER 9) represents about 9.5% of the U.S. population. Mortality data for both Maine and the U.S. is provided by the National Center for Health Statistics.

Data Analysis: Counts and rates presented in this report were produced using the following software: Surveillance Research Program, National Cancer Institute SEER\*Stat software ([seer.cancer.gov/seerstat](http://seer.cancer.gov/seerstat)) 7.0.4.

National Comparisons: SEER incidence rates and national mortality rates for both *whites* and *all races* have been provided to allow an option for comparison by the reader. However due to the predominately white population in Maine, all statistical comparisons in this report involving national estimates are based on rates for *whites*.

SEER Rates: SEER *whites* and SEER *all races* refer to estimates of national cancer incidence data.

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

Confidence Intervals and Statistical Significance: Ninety-five percent confidence intervals are provided for all rates. When comparing county-level or public health district-level rates with state (Maine) rates, we used the SEER\*Stat program to test for statistically significant differences. SEER\*Stat is unable to test for statistical significant differences between state rates and national rates, however, because these rates come from two different datasets. Hence, we compared 95% confidence intervals of Maine and U.S. rates. If the 95% confidence intervals for two rates overlapped, the incidence rates were considered similar. If the confidence intervals did not overlap, we considered these rates to be significantly different. Maine rates that are higher than nationally comparable rates *or* county/district rates that are higher than State (Maine) rates are highlighted in Turquoise color (■).

Maine Public Health Districts: In 2007, Governor Baldacci announced a new public health infrastructure for Maine. Within this plan, the Maine Center for Disease Control and Prevention created eight public health districts with the intent of regionalizing public health services. Each district is made up of one or more counties. For this reason, cancer rates have been calculated for districts in addition to counties. The table below shows the constituent counties of each district.

<i>Public Health District</i>	<i>Constituent Counties</i>
1. Aroostook District	Aroostook County
2. Central District	Kennebec County, Somerset County
3. Cumberland District	Cumberland County
4. Downeast District	Hancock County, Washington County
5. Midcoast District	Lincoln County, Knox County, Sagadahoc County, Waldo County
6. Penquis District	Penobscot County, Piscataquis County
7. Western District	Androscoggin County, Franklin County, Oxford County
8. York District	York County

Rates by County/District: More so than at the state level, the number of new cancer cases reported in a county or district varies from year to year, and much of this variation may be due purely to chance. As a result, cancer rates at the county or district level are more likely to vary on an annual basis than at the state level. Counties/districts with smaller populations tend to have greater variation from one time period to the next. In general, when there are less than 30 cases a year, 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 makes the rates more reliable, caution must still be used when interpreting county rates.

Maps: This year we have added maps to present the geographical distribution of 'All Cancer Combined' incidence and mortality rates. These maps were prepared at the county as well as the public health district level. For mortality maps, 2004-2008 rates were used instead of 2003-2007 rates, since 2008 mortality data is the most recent data available for Maine. We used 2003-2007 rates for the tables because they are more suitable for comparison with U.S. mortality rates, which were currently only available through the year 2007. Maps were created using ArcGIS v.10 software; the 'natural breaks' method was used to categorize the rates.

## Case Definitions

**Incidence Case Definitions:** Incidence data are based on SEER Site Recode ICD-O-3 Definitions, version 1/27/2003: Available at <http://seer.cancer.gov/siterecode>. Histologies consistent with Kaposi Sarcoma and Mesothelioma are excluded (where applicable).

**Mortality Case Definitions:** Death data are based on ICD-10 codes for underlying cause of death as defined below:

<i>Site</i>	<i>ICD-10 Codes</i>
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



## Incidence: State and National Comparisons

### Age-adjusted Cancer Incidence Rates by Site Maine, 2008

	Total			
	AA Rate (95% CI)	Count	SEER Whites	SEER All Races
All Sites	499.6 (488.6, 510.7)	8172	469.3 (466.5, 472.2)	463.4 (460.9, 465.9)
Tobacco-related, Excl. Lung	88.4 (83.9, 93.2)	1448	81.8 (80.6, 83.0)	81.2 (80.1, 82.2)
Lung and Bronchus	75.7 (71.5, 80.0)	1249	59.3 (58.3, 60.4)	58.8 (57.9, 59.7)
Colon and Rectum	44.4 (41.2, 47.8)	731	43.4 (42.6, 44.3)	44.3 (43.5, 45.1)
Breast	See page 9 and 10 for gender specific rates			
Prostate	See page 9 for gender specific rates			
Urinary Bladder	25.8 (23.4, 28.5)	423	22.6 (22.0, 23.2)	20.7 (20.2, 21.2)
Non-Hodgkin Lymphoma	21.6 (19.3, 24.1)	345	20.9 (20.3, 21.5)	20.2 (19.7, 20.7)
Melanoma of the Skin	19.7 (17.6, 22.1)	312	27.6 (26.9, 28.3)	22.5 (22.0, 23.1)
Kidney & Renal Pelvis	15.7 (13.8, 17.8)	254	15.3 (14.8, 15.8)	15.4 (14.9, 15.8)
Leukemia	14.6 (12.7, 16.6)	232	13.2 (12.7, 13.7)	12.7 (12.2, 13.1)
Thyroid	13.0 (11.2, 15.1)	187	13.8 (13.3, 14.3)	13.0 (12.6, 13.4)
Pancreas	12.8 (11.1, 14.6)	213	12.1 (11.6, 12.5)	12.4 (12.0, 12.8)
Oral Cavity & Pharynx	10.9 (9.4, 12.7)	181	11.1 (10.7, 11.6)	10.8 (10.4, 11.2)
Brain & Other Nerv. System	7.5 (6.2, 9.1)	114	7.3 (6.9, 7.6)	6.5 (6.2, 6.8)
Esophagus	6.2 (5.1, 7.5)	107	4.8 (4.5, 5.0)	4.6 (4.3, 4.8)
Stomach	6.0 (4.8, 7.3)	96	6.0 (5.6, 6.3)	7.1 (6.8, 7.4)
Myeloma	5.5 (4.4, 6.8)	93	5.3 (5.0, 5.6)	5.8 (5.5, 6.1)
Liver & Intrahep. Bile Duct	4.6 (3.6, 5.7)	77	6.1 (5.8, 6.4)	7.3 (7.0, 7.7)
Larynx	4.3 (3.3, 5.4)	72	3.1 (2.9, 3.3)	3.1 (2.9, 3.3)
Hodgkin Lymphoma	2.9 (2.0, 4.0)	38	3.1 (2.9, 3.3)	2.9 (2.7, 3.1)
Mesothelioma	1.5 (1.2, 1.9)	25	1.1 (1.0, 1.1)	0.9 (0.9, 1.0)
Testis	See page 9 for gender specific rates			
Corpus Uteri	See page 10 for gender specific rates			
Cervix Uteri	See page 10 for gender specific rates			
Ovary	See page 10 for gender specific rates			

#### Notes:

Maine rate is significantly higher than SEER White rate

- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia. 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 (1/27/2003)
- 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; Excl. = Excluding; Nerv. = Nervous; Intrahep. = Intrahepatic

#### Data Sources:

- Maine Incidence: Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data
- National Incidence: Surveillance, Epidemiology and End Results, SEER 9 Regs Limited-Use, Nov 2010 Sub (1973-2008)

## Age-adjusted Cancer Incidence Rates by Site Maine, 2008

	Male			
	<i>AA Rate (95% CI)</i>	<i>Count</i>	<i>SEER Whites</i>	<i>SEER All Races</i>
All Sites	568.6 (551.3, 586.4)	4222	531.0 (526.6, 535.5)	530.8 (526.8, 534.9)
Prostate	147.8 (139.3, 156.7)	1163	146.3 (144.0, 148.6)	153.0 (150.9, 155.2)
Tobacco-related, Excl. Lung	126.6 (118.4, 135.2)	929	117.7 (115.6, 119.8)	115.5 (113.6, 117.4)
Lung and Bronchus	89.9 (83.1, 97.1)	664	68.8 (67.1, 70.4)	70.3 (68.8, 71.8)
Colon and Rectum	49.8 (44.7, 55.3)	363	49.2 (47.9, 50.6)	50.4 (49.2, 51.7)
Breast	2.9 (1.7, 4.5)	20	1.2 (1.0, 1.5)	1.2 (1.0, 1.4)
Urinary Bladder	45.5 (40.6, 50.8)	322	39.6 (38.4, 40.9)	36.4 (35.3, 37.5)
Non-Hodgkin Lymphoma	28.7 (24.8, 33.0)	206	25.5 (24.5, 26.5)	24.7 (23.8, 25.5)
Melanoma of the Skin	22.9 (19.5, 26.7)	172	34.1 (32.9, 35.2)	28.3 (27.4, 29.3)
Kidney & Renal Pelvis	20.4 (17.3, 24.1)	152	20.6 (19.7, 21.5)	20.9 (20.1, 21.7)
Leukemia	17.4 (14.4, 20.8)	124	17.1 (16.3, 17.9)	16.3 (15.6, 17.0)
Oral Cavity & Pharynx	15.3 (12.7, 18.5)	120	16.5 (15.7, 17.2)	16.0 (15.3, 16.7)
Pancreas	14.4 (11.7, 17.5)	106	13.9 (13.2, 14.7)	14.2 (13.6, 14.9)
Esophagus	11.3 (9.0, 14.0)	88	8.4 (7.8, 8.9)	8.0 (7.5, 8.5)
Stomach	9.0 (6.9, 11.6)	63	8.7 (8.1, 9.3)	10.0 (9.5, 10.6)
Brain & Other Nerv. System	8.8 (6.7, 11.4)	63	8.5 (8.0, 9.1)	7.7 (7.3, 8.2)
Liver & Intrahep. Bile Duct	7.3 (5.5, 9.6)	55	9.3 (8.7, 9.9)	11.2 (10.7, 11.8)
Testis	7.0 (5.0, 9.5)	42	7.1 (6.6, 7.6)	5.9 (5.5, 6.3)
Larynx	6.6 (4.9, 8.8)	50	5.5 (5.0, 6.0)	5.4 (5.1, 5.9)
Thyroid	6.4 (4.6, 8.6)	47	6.8 (6.3, 7.3)	6.5 (6.0, 6.9)
Myeloma	6.1 (4.4, 8.2)	44	6.7 (6.2, 7.2)	7.1 (6.7, 7.6)
Hodgkin Lymphoma	3.2 (1.9, 4.9)	21	3.5 (3.1, 3.8)	3.3 (3.0, 3.6)
Mesothelioma	2.7 (2.0, 3.6)	18	1.9 (1.7, 2.0)	1.7 (1.6, 1.8)

### Notes:

- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia. 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 (1/27/2003)
- 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; Excl. = Excluding; Nerv. = Nervous; Intrahep. = Intrahepatic

### Data Sources:

- Maine Incidence: Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data
- National Incidence: Surveillance, Epidemiology and End Results, SEER 9 Regs Limited-Use, Nov 2010 Sub (1973-2008)

## Age-adjusted Cancer Incidence Rates by Site Maine, 2008

	Female			
	AA Rate (95% CI)	Count	SEER Whites	SEER All Races
All Sites	449.7 (435.4, 464.3)	3950	427.1 (423.4, 430.8)	416.3 (413.1, 419.6)
Breast	124.8 (117.3, 132.6)	1091	129.5 (127.5, 131.5)	127.2 (125.5, 129.0)
Lung and Bronchus	65.1 (59.9, 70.7)	585	52.8 (51.5, 54.1)	50.6 (49.4, 51.7)
Tobacco-related, Excl. Lung	58.4 (53.4, 63.8)	519	53.6 (52.3, 54.9)	54.6 (53.5, 55.8)
Colon and Rectum	39.9 (35.8, 44.3)	368	38.6 (37.5, 39.7)	39.2 (38.3, 40.2)
Prostate	See page 9 for gender specific rates			
Corpus Uteri	31.7 (28.1, 35.8)	282	26.4 (25.5, 27.3)	26.0 (25.2, 26.8)
Thyroid	19.3 (16.2, 22.9)	140	20.8 (20.0, 21.7)	19.4 (18.7, 20.1)
Melanoma of the Skin	17.3 (14.4, 20.5)	140	23.1 (22.3, 24.0)	18.5 (17.8, 19.2)
Non-Hodgkin Lymphoma	15.9 (13.3, 18.9)	139	17.1 (16.4, 17.9)	16.6 (15.9, 17.2)
Leukemia	12.4 (10.1, 15.1)	108	10.1 (9.6, 10.7)	9.8 (9.3, 10.3)
Kidney & Renal Pelvis	11.7 (9.5, 14.3)	102	10.8 (10.3, 11.4)	10.8 (10.3, 11.4)
Pancreas	11.3 (9.2, 13.8)	107	10.5 (10.0, 11.1)	10.9 (10.4, 11.5)
Ovary	11.2 (9.0, 13.7)	99	13.3 (12.6, 14.0)	12.6 (12.1, 13.2)
Urinary Bladder	11.1 (9.0, 13.6)	101	9.9 (9.3, 10.4)	9.1 (8.6, 9.6)
Oral Cavity & Pharynx	6.8 (5.1, 8.8)	61	6.4 (6.0, 6.9)	6.3 (5.9, 6.7)
Brain & Other Nerv. System	6.4 (4.7, 8.5)	51	6.2 (5.8, 6.7)	5.5 (5.1, 5.9)
Cervix Uteri	5.8 (4.2, 7.9)	44	6.3 (5.8, 6.8)	6.6 (6.2, 7.0)
Myeloma	5.0 (3.7, 6.7)	49	4.3 (3.9, 4.7)	4.9 (4.5, 5.2)
Stomach	3.7 (2.6, 5.3)	33	3.7 (3.4, 4.1)	4.9 (4.6, 5.2)
Hodgkin Lymphoma	2.6 (1.5, 4.2)	17	2.8 (2.5, 3.1)	2.5 (2.3, 2.8)
Larynx	2.4 (1.5, 3.8)	22	1.1 (0.9, 1.3)	1.1 (1.0, 1.3)
Liver & Intrahep. Bile Duct	2.3 (1.4, 3.5)	22	3.4 (3.0, 3.7)	4.0 (3.7, 4.3)
Esophagus	2.0 (1.2, 3.3)	19	1.7 (1.5, 2.0)	1.7 (1.5, 2.0)
Mesothelioma	0.7 (0.5, 1.2)	7	0.4 (0.4, 0.5)	0.4 (0.3, 0.5)

### Notes:

- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia. 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 (1/27/2003)
- 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 standard
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Excl. = Excluding; Nerv. = Nervous; Intrahep.= Intrahepatic

### Data Sources:

- Maine Incidence: Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data
- National Incidence: Surveillance, Epidemiology and End Results, SEER 9 Regs Limited-Use, Nov 2010 Sub (1973-2008)

## Incidence: By Age

### *All Cancers: Incidence by Age* Maine, 2006-2008

	Total		Male		Female	
	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr
0-14 yrs	17.6 (14.6, 21.1)	39	17.8 (13.6, 22.9)	20	17.4 (13.2, 22.6)	19
15-19 yrs	23.7 (18.3, 30.1)	22	23.4 (16.1, 32.8)	11	24.0 (16.4, 33.8)	11
20-24 yrs	40.4 (32.9, 49.2)	33	39.5 (29.4, 52.1)	17	41.4 (30.6, 54.7)	16
25-29 yrs	62.3 (52.4, 73.5)	47	57.4 (44.3, 73.1)	22	67.2 (53.0, 84.1)	25
30-34 yrs	103.8 (90.6, 118.2)	75	79.1 (63.1, 97.9)	28	127.4 (107.3, 150.3)	47
35-39 yrs	153.3 (138.6, 169.1)	132	104.9 (87.9, 124.4)	44	199.8 (176.4, 225.5)	88
40-44 yrs	229.0 (212.1, 246.8)	228	158.1 (138.3, 179.9)	77	296.5 (269.8, 325.1)	151
45-49 yrs	388.0 (367.1, 409.8)	429	313.6 (286.9, 342.1)	169	459.0 (427.3, 492.4)	260
50-54 yrs	623.1 (596.0, 651.1)	663	607.9 (569.8, 647.9)	316	637.6 (599.4, 677.5)	347
55-59 yrs	917.7 (883.2, 953.3)	886	1012.3 (960.8, 1065.9)	482	825.7 (779.9, 873.6)	404
60-64 yrs	1421.1 (1372.3, 1471.1)	1069	1631.1 (1556.9, 1708.0)	605	1217.1 (1154.0, 1282.7)	465
65-69 yrs	2019.2 (1951.5, 2088.6)	1120	2470.4 (2362.1, 2582.4)	652	1609.8 (1526.7, 1696.2)	468
70-74 yrs	2309.7 (2230.0, 2391.6)	1056	2943.8 (2812.0, 3080.2)	625	1760.2 (1665.6, 1858.9)	431
75-79 yrs	2713.2 (2619.8, 2809.0)	1064	3449.7 (3290.0, 3615.2)	583	2154.5 (2044.7, 2268.7)	480
80-84 yrs	2815.4 (2706.2, 2927.9)	835	3556.3 (3361.9, 3759.0)	417	2331.6 (2204.4, 2464.2)	418
85+ yrs	2532.2 (2423.6, 2644.4)	681	3690.0 (3452.3, 3939.7)	299	2034.1 (1918.1, 2155.2)	383

#### Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- Incidence case definitions exclude histologies consistent with Kaposi Sarcoma and Mesothelioma, where applicable
- Rates are calculated per 100,000 population.
- Abbreviations: Rate = Age-specific rate; CI = Confidence Interval; Surveillance, Epidemiology, and End Results; Count/Yr = Average Annual Count

#### Data Source:

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

### Lung Cancer: Incidence by Age Maine, 2006-2008

	Total		Male		Female	
	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr
40-44 yrs	13.1 (9.3, 17.9)	13	15.1 (9.5, 22.9)	7	11.1 (6.5, 17.8)	6
45-49 yrs	39.8 (33.3, 47.2)	44	40.2 (31.0, 51.2)	22	39.5 (30.6, 50.1)	22
50-54 yrs	72.4 (63.3, 82.3)	77	73.8 (60.9, 88.6)	38	71.0 (58.6, 85.1)	39
55-59 yrs	113.9 (101.9, 126.9)	110	136.5 (118.0, 157.1)	65	91.9 (77.1, 108.8)	45
60-64 yrs	206.4 (188.1, 226.0)	155	231.1 (203.7, 261.1)	86	182.5 (158.6, 209.0)	70
65-69 yrs	331.0 (304.0, 359.8)	184	378.9 (337.2, 424.3)	100	287.6 (253.1, 325.5)	84
70-74 yrs	448.5 (413.8, 485.4)	205	527.8 (472.9, 587.4)	112	379.8 (336.6, 427.1)	93
75-79 yrs	571.4 (529.0, 616.3)	224	709.7 (638.2, 786.9)	120	466.5 (416.2, 521.2)	104
80-84 yrs	524.9 (478.3, 574.7)	156	682.8 (599.1, 774.9)	80	421.7 (368.6, 480.3)	76
85+ yrs	334.5 (295.8, 376.9)	90	572.4 (481.2, 675.9)	46	232.1 (194.1, 275.4)	44

### Tobacco-related Cancers, Excl. Lung: Incidence by Age Maine, 2006-2008

	Total		Male		Female	
	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr
25-34 yrs	9.4 (6.7, 12.7)	14	7.5 (4.3, 12.2)	5	11.2 (7.2, 16.6)	8
35-39 yrs	22.4 (17.0, 29.0)	19	22.9 (15.3, 32.9)	10	22.0 (14.8, 31.6)	10
40-44 yrs	41.2 (34.3, 49.2)	41	46.1 (35.7, 58.5)	22	36.6 (27.7, 47.6)	19
45-49 yrs	62.5 (54.2, 71.6)	69	80.4 (67.2, 95.5)	43	45.4 (35.8, 56.7)	26
50-54 yrs	99.0 (88.4, 110.5)	105	139.9 (122.0, 159.8)	73	60.0 (48.7, 73.1)	33
55-59 yrs	159.5 (145.2, 174.7)	154	233.1 (208.8, 259.6)	111	87.8 (73.3, 104.3)	43
60-64 yrs	243.2 (223.3, 264.4)	183	321.0 (288.6, 356.1)	119	167.6 (144.8, 193.1)	64
65-69 yrs	361.1 (332.8, 391.1)	200	520.4 (471.3, 573.1)	137	216.5 (186.8, 249.7)	63
70-74 yrs	431.8 (397.7, 468.0)	197	618.9 (559.3, 683.2)	131	269.5 (233.3, 309.8)	66
75-79 yrs	508.5 (468.5, 550.9)	199	792.4 (716.9, 873.8)	134	293.0 (253.5, 337.1)	65
80-84 yrs	532.7 (485.8, 582.9)	158	825.1 (732.8, 925.7)	97	341.8 (294.2, 395.0)	61
85+ yrs	522.8 (474.1, 575.1)	141	947.2 (828.7, 1077.9)	77	340.2 (293.8, 391.9)	64

**Notes:**

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- Incidence case definitions exclude histologies consistent with Kaposi Sarcoma and Mesothelioma, where applicable
- Rates are calculated per 100,000 population.
- Abbreviations: Rate = Age-specific rate; CI = Confidence Interval; Surveillance, Epidemiology, and End Results; Count/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

**Prostate Cancer: Incidence by Age  
Maine, 2006-2008**

	Male	
	Rate (95% CI)	Count/Yr
40-49 yrs	24.7 (19.6, 30.6)	28
50-54 yrs	179.7 (159.3, 202.1)	93
55-59 yrs	342.3 (312.7, 374.1)	163
60-64 yrs	604.3 (559.4, 651.7)	224
65-69 yrs	894.2 (829.5, 962.6)	236
70-74 yrs	988.1 (912.4, 1068.4)	210
75-79 yrs	822.0 (745.0, 904.8)	139
80-84 yrs	728.3 (641.8, 823.2)	85
85+ yrs	691.9 (591.2, 804.8)	56

**Female Breast Cancer: Incidence by Age  
Maine, 2006-2008**

	Female	
	Rate (95% CI)	Count/Yr
25-29 yrs	8.0 (3.6, 15.1)	3
30-34 yrs	33.4 (23.5, 46.1)	12
35-39 yrs	54.7 (42.8, 68.9)	24
40-44 yrs	111.9 (95.8, 130.0)	57
45-49 yrs	196.2 (175.7, 218.4)	111
50-54 yrs	220.3 (198.1, 244.2)	120
55-59 yrs	279.1 (252.7, 307.5)	137
60-64 yrs	379.8 (344.9, 417.2)	145
65-69 yrs	464.0 (419.9, 511.5)	135
70-74 yrs	417.9 (372.5, 467.4)	102
75-79 yrs	447.0 (397.8, 500.7)	100
80-84 yrs	453.3 (398.2, 513.9)	81
85+ yrs	388.0 (338.3, 443.0)	73

**Notes:**

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- Incidence case definitions exclude histologies consistent with Kaposi Sarcoma and Mesothelioma, where applicable
- Rates are calculated per 100,000 population.
- Abbreviations: Rate = Age-specific rate; CI = Confidence Interval; Surveillance, Epidemiology, and End Results; Count/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

**Colorectal Cancer: Incidence by Age  
Maine, 2006-2008**

	Total		Male		Female	
	<i>Rate (95% CI)</i>	<i>Count/Yr</i>	<i>Rate (95% CI)</i>	<i>Count/Yr</i>	<i>Rate (95% CI)</i>	<i>Count/Yr</i>
35-44 yrs	13.5 (10.7, 16.9)	25	12.4 (8.6, 17.4)	11	14.6 (10.5, 19.8)	14
45-49 yrs	25.3 (20.2, 31.4)	28	29.1 (21.4, 38.7)	16	21.8 (15.3, 30.0)	12
50-54 yrs	51.1 (43.5, 59.5)	54	55.2 (44.2, 68.2)	29	47.1 (37.2, 58.9)	26
55-59 yrs	72.5 (63.0, 83.0)	70	79.8 (65.8, 95.9)	38	65.4 (52.9, 79.8)	32
60-64 yrs	108.5 (95.4, 123.0)	82	133.1 (112.5, 156.3)	49	84.7 (68.7, 103.3)	32
65-69 yrs	171.8 (152.5, 192.9)	95	203.3 (173.1, 237.3)	54	143.2 (119.2, 170.6)	42
70-74 yrs	196.2 (173.4, 221.1)	90	213.6 (179.2, 252.7)	45	181.1 (151.6, 214.6)	44
75-79 yrs	302.7 (272.1, 335.8)	119	352.9 (303.1, 408.5)	60	264.6 (227.1, 306.6)	59
80-84 yrs	351.8 (313.9, 393.0)	104	367.0 (306.4, 436.1)	43	341.8 (294.2, 395.0)	61
85+ yrs	417.5 (374.1, 464.5)	112	473.6 (391.0, 568.5)	38	393.4 (343.3, 448.6)	74

**Notes:**

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- Incidence case definitions exclude histologies consistent with Kaposi Sarcoma and Mesothelioma, where applicable
- Rates are calculated per 100,000 population.
- Abbreviations: Rate = Age-specific rate; CI = Confidence Interval; Surveillance, Epidemiology, and End Results; Count/Yr = Average Annual Count

**Data Source:**

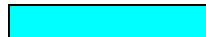
- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

## Incidence: County and State Comparisons

### *All Cancers: Incidence by County of Residence Maine, 2006-2008*

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	526.0 (502.6, 550.2)	644	609.9 (572.2, 649.4)	333	467.9 (437.7, 499.7)	311
Aroostook	494.3 (468.7, 521.0)	486	566.4 (526.0, 609.2)	255	441.5 (408.1, 477.1)	231
Cumberland	524.5 (509.8, 539.5)	1651	606.0 (582.2, 630.5)	840	470.1 (451.2, 489.6)	811
Franklin	513.7 (470.6, 559.8)	181	622.5 (551.5, 700.4)	99	431.2 (377.8, 490.5)	82
Hancock	541.4 (509.8, 574.6)	383	608.5 (559.3, 661.2)	199	489.9 (448.7, 534.3)	184
Kennebec	503.7 (482.7, 525.3)	742	562.6 (529.6, 597.2)	374	462.3 (435.0, 491.0)	368
Knox	514.4 (479.9, 550.9)	291	603.0 (548.1, 662.2)	153	459.1 (413.7, 508.7)	138
Lincoln	479.8 (444.4, 517.6)	245	516.5 (463.6, 574.4)	123	454.6 (406.7, 507.4)	122
Oxford	582.1 (549.8, 616.0)	417	677.3 (625.8, 732.0)	224	512.7 (470.8, 557.7)	193
Penobscot	570.8 (550.1, 592.2)	964	676.5 (642.3, 712.1)	511	493.9 (467.7, 521.3)	453
Piscataquis	526.1 (472.9, 584.3)	128	601.1 (518.0, 695.1)	67	467.4 (398.7, 546.2)	61
Sagadahoc	485.4 (447.6, 525.6)	211	560.1 (499.7, 626.0)	111	432.6 (384.1, 485.8)	100
Somerset	487.4 (456.3, 520.2)	312	553.5 (504.2, 606.5)	162	438.7 (398.5, 482.2)	150
Waldo	538.0 (499.6, 578.8)	254	593.2 (532.8, 658.8)	127	502.2 (451.9, 557.0)	127
Washington	553.0 (513.3, 595.3)	250	679.9 (615.1, 750.1)	140	455.2 (405.6, 509.7)	110
York	505.0 (488.5, 521.9)	1216	591.2 (564.6, 618.8)	644	442.2 (421.2, 464.1)	572
Maine	522.7 (516.2, 529.3)	8379	603.9 (593.5, 614.6)	4365	464.7 (456.3, 473.3)	4014

#### Notes:

 County rate is significantly higher than Maine rate

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

#### Data Source:

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data



**Lung Cancer: Incidence by County of Residence  
Maine, 2006-2008**

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	88.2 (78.8, 98.4)	108	106.3 (90.9, 123.4)	58	74.1 (62.6, 87.3)	50
Aroostook	91.0 (80.6, 102.6)	93	126.8 (108.4, 147.6)	58	63.2 (51.5, 77.2)	35
Cumberland	69.1 (63.9, 74.8)	216	86.5 (77.5, 96.3)	115	57.9 (51.5, 65.0)	101
Franklin	73.4 (57.6, 92.4)	25	100.2 (72.6, 135.1)	15	53.1 (35.6, 76.8)	10
Hancock	85.1 (72.9, 98.9)	59	99.2 (79.8, 122.2)	31	74.3 (59.1, 92.7)	28
Kennebec	75.4 (67.5, 84.0)	112	90.3 (77.4, 104.8)	60	64.4 (54.6, 75.6)	52
Knox	70.5 (58.4, 84.6)	42	90.8 (70.3, 115.8)	23	56.1 (42.0, 74.2)	19
Lincoln	62.4 (50.7, 76.4)	34	54.1 (38.5, 75.0)	13	70.1 (53.6, 91.4)	21
Oxford	87.1 (75.1, 100.6)	64	110.6 (90.3, 134.4)	36	70.9 (56.4, 88.3)	28
Penobscot	98.0 (89.6, 107.1)	167	116.6 (102.8, 131.9)	88	84.1 (73.7, 95.6)	79
Piscataquis	82.3 (62.8, 107.0)	21	117.6 (83.3, 163.1)	14	52.4 (32.6, 83.0)	7
Sagadahoc	66.0 (52.6, 81.9)	28	71.8 (51.5, 97.6)	14	61.3 (44.1, 83.4)	14
Somerset	82.3 (69.8, 96.5)	52	94.7 (74.9, 118.4)	27	73.5 (57.7, 92.6)	25
Waldo	82.5 (67.9, 99.4)	39	86.4 (64.7, 113.3)	19	78.4 (59.5, 101.9)	20
Washington	96.9 (81.0, 115.2)	45	125.1 (98.6, 157.2)	26	74.8 (56.2, 98.4)	19
York	66.8 (60.9, 73.1)	161	75.2 (65.8, 85.5)	81	61.3 (53.7, 69.8)	80
Maine	78.4 (75.9, 81.0)	1267	95.0 (90.8, 99.3)	680	66.4 (63.3, 69.6)	587

**Notes:**

  County rate is significantly higher than Maine rate

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

***Tobacco-related Cancers, Excl. Lung: Incidence by County of Residence  
Maine, 2006-2008***

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	106.8 (96.5, 118.0)	132	149.0 (130.7, 169.1)	82	74.4 (62.7, 87.7)	50
Aroostook	88.5 (77.9, 100.2)	88	128.3 (109.6, 149.6)	58	56.3 (44.9, 70.1)	30
Cumberland	94.5 (88.3, 101.0)	298	137.8 (126.5, 149.9)	189	62.9 (56.2, 70.3)	109
Franklin	94.9 (76.8, 116.2)	33	126.5 (95.1, 165.2)	19	71.7 (51.1, 98.6)	14
Hancock	86.2 (74.0, 100.0)	61	123.8 (102.2, 149.1)	40	55.1 (42.2, 71.2)	21
Kennebec	89.2 (80.5, 98.6)	130	124.3 (108.9, 141.3)	81	62.0 (52.2, 73.2)	49
Knox	80.5 (67.4, 95.8)	45	117.1 (93.7, 145.1)	29	52.9 (38.4, 71.7)	16
Lincoln	90.3 (75.3, 107.8)	46	142.4 (114.9, 175.3)	33	47.6 (33.1, 67.2)	13
Oxford	99.4 (86.6, 113.8)	73	162.0 (137.2, 190.1)	53	51.1 (38.8, 66.4)	20
Penobscot	94.4 (86.0, 103.3)	159	138.4 (123.0, 155.1)	103	60.1 (51.3, 70.0)	56
Piscataquis	95.9 (74.7, 122.3)	24	151.4 (112.0, 201.8)	17	48.9 (29.7, 79.0)	7
Sagadahoc	76.2 (61.7, 93.2)	33	107.7 (81.9, 139.3)	21	52.1 (36.5, 72.7)	12
Somerset	88.3 (75.4, 102.9)	57	112.6 (91.4, 137.5)	34	67.0 (51.9, 85.5)	23
Waldo	87.8 (72.6, 105.5)	41	112.9 (87.8, 143.3)	25	66.7 (48.8, 89.5)	16
Washington	86.6 (71.5, 104.3)	40	127.5 (100.7, 160.0)	27	54.0 (37.9, 75.3)	13
York	95.1 (88.1, 102.6)	229	140.1 (127.3, 153.9)	152	58.9 (51.4, 67.2)	77
Maine	92.6 (89.9, 95.4)	1490	134.0 (129.0, 139.0)	963	60.3 (57.3, 63.4)	527

**Notes:**

  County rate is significantly higher than Maine rate

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

**Prostate Cancer: Incidence  
by County of Residence  
Maine, 2006-2008**

	Male	
	<i>AA Rate (95% CI)</i>	<i>Count/Yr</i>
Androscoggin	160.8 (142.0, 181.5)	90
Aroostook	107.4 (90.9, 126.4)	51
Cumberland	168.6 (156.4, 181.5)	245
Franklin	184.2 (147.1, 228.2)	30
Hancock	174.2 (149.2, 202.6)	60
Kennebec	162.8 (145.7, 181.5)	113
Knox	168.4 (140.8, 200.4)	45
Lincoln	144.7 (118.8, 175.5)	37
Oxford	168.1 (144.0, 195.6)	59
Penobscot	163.9 (147.7, 181.5)	129
Piscataquis	139.6 (102.2, 188.0)	16
Sagadahoc	162.4 (131.7, 198.3)	34
Somerset	164.1 (138.4, 193.4)	50
Waldo	171.5 (140.0, 208.2)	38
Washington	180.3 (148.7, 217.4)	39
York	173.3 (159.4, 188.2)	197
Maine	163.1 (157.8, 168.6)	1234

**Notes:**

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

***Female Breast Cancer: Incidence  
by County of Residence  
Maine, 2006-2008***

	<b>Female</b>	
	<b><i>AA Rate (95% CI)</i></b>	<b><i>Count/Yr</i></b>
Androscoggin	112.4 (97.8, 128.7)	73
Aroostook	107.9 (91.7, 126.6)	56
Cumberland	135.6 (125.5, 146.2)	232
Franklin	117.1 (90.1, 150.1)	22
Hancock	136.7 (115.8, 160.8)	53
Kennebec	135.4 (120.8, 151.3)	108
Knox	138.2 (113.8, 166.9)	40
Lincoln	118.5 (95.4, 146.5)	32
Oxford	144.9 (122.8, 170.1)	54
Penobscot	127.9 (114.7, 142.3)	116
Piscataquis	124.3 (92.0, 167.0)	17
Sagadahoc	136.8 (109.6, 168.9)	30
Somerset	112.1 (92.4, 135.1)	39
Waldo	128.3 (103.9, 157.2)	33
Washington	115.3 (90.7, 145.3)	27
York	129.7 (118.5, 141.8)	169
Maine	128.2 (123.8, 132.7)	1101

**Notes:**

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

**Colorectal Cancer: Incidence by County of Residence  
Maine, 2006-2008**

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)]	Count/Yr
Androscoggin	44.5 (37.9, 51.9)	55	49.7 (39.3, 62.1)	26	40.7 (32.3, 50.6)	29
Aroostook	60.2 (51.6, 69.9)	60	69.8 (55.9, 86.3)	30	52.6 (42.1, 65.4)	30
Cumberland	44.2 (40.1, 48.7)	142	45.8 (39.4, 53.0)	62	42.9 (37.5, 48.9)	80
Franklin	56.9 (43.2, 73.8)	20	64.7 (43.1, 93.4)	10	50.9 (33.8, 74.3)	10
Hancock	46.4 (37.8, 56.7)	35	50.9 (37.9, 67.5)	18	42.3 (31.2, 56.6)	17
Kennebec	45.2 (39.1, 52.0)	67	49.6 (40.2, 60.7)	33	41.3 (33.6, 50.5)	34
Knox	41.1 (32.2, 52.2)	24	50.7 (35.5, 70.6)	12	33.5 (23.3, 47.6)	12
Lincoln	40.6 (31.0, 52.6)	21	43.1 (28.8, 62.9)	10	37.2 (25.4, 54.0)	11
Oxford	49.1 (40.1, 59.7)	36	51.2 (37.8, 68.1)	17	47.6 (35.8, 62.5)	19
Penobscot	60.5 (53.8, 67.7)	102	72.3 (61.3, 84.7)	54	51.3 (43.2, 60.6)	48
Piscataquis	51.9 (36.2, 73.1)	13	38.7 (20.9, 68.1)	5	60.7 (37.6, 95.2)	8
Sagadahoc	41.8 (31.4, 54.7)	19	57.7 (39.1, 82.1)	11	29.7 (18.7, 45.6)	8
Somerset	45.3 (36.2, 56.2)	29	48.1 (34.2, 66.0)	14	44.0 (32.1, 59.4)	15
Waldo	47.9 (37.0, 61.1)	23	55.9 (38.7, 78.4)	12	42.0 (28.6, 60.1)	11
Washington	61.4 (48.9, 76.5)	29	72.7 (52.6, 98.6)	15	52.1 (36.9, 72.3)	14
York	45.8 (41.0, 51.1)	111	52.9 (45.1, 61.8)	56	40.3 (34.3, 47.1)	55
Maine	48.5 (46.5, 50.5)	785	54.2 (51.1, 57.5)	385	43.9 (41.4, 46.5)	400

**Notes:**

  County rate is significantly higher than Maine rate

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

***Brain and Other Nervous System Tumors: Incidence by County of Residence  
Maine, 2004-2008***

	All Behaviors		Malignant		Non-malignant	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	15.6 (12.4, 19.3)	17	6.7 (4.7, 9.3)	7	8.9 (6.6, 11.7)	10
Aroostook	16.2 (12.6, 20.6)	15	9.1 (6.5, 12.6)	8	7.1 (4.8, 10.2)	6
Cumberland	14.3 (12.5, 16.4)	44	8.2 (6.8, 9.8)	25	6.2 (5.0, 7.6)	19
Franklin	15.0 (9.3, 22.8)	5	8.6 (4.6, 14.8)	3	6.4 (2.8, 12.2)	2
Hancock	13.2 (9.6, 17.9)	9	5.9 (3.6, 9.4)	4	7.3 (4.7, 11.0)	5
Kennebec	13.4 (10.7, 16.6)	18	7.6 (5.6, 10.1)	10	5.8 (4.1, 8.1)	8
Knox	14.7 (10.3, 20.4)	8	7.9 (4.9, 12.3)	4	6.8 (3.9, 11.1)	3
Lincoln	9.8 (6.1, 15.3)	5	7.1 (3.9, 12.1)	3	2.7 (1.1, 6.1)	1
Oxford	13.5 (9.7, 18.4)	9	5.3 (3.1, 8.6)	4	8.2 (5.3, 12.2)	5
Penobscot	16.5 (13.8, 19.7)	26	8.8 (6.8, 11.1)	14	7.8 (5.9, 10.0)	12
Piscataquis	21.0 (12.6, 33.0)	4	9.0 (3.9, 18.0)	2	12.0 (6.0, 21.8)	2
Sagadahoc	15.3 (10.2, 22.0)	6	7.6 (4.2, 12.7)	3	7.7 (4.2, 12.9)	3
Somerset	12.7 (8.8, 17.8)	7	9.0 (5.7, 13.4)	5	3.8 (1.9, 6.8)	2
Waldo	20.4 (14.8, 27.6)	9	9.7 (6.0, 15.0)	4	10.7 (6.8, 16.2)	5
Washington	12.4 (8.0, 18.5)	5	6.9 (3.8, 11.8)	3	5.4 (2.7, 10.1)	2
York	14.0 (11.9, 16.4)	32	7.3 (5.8, 9.1)	17	6.8 (5.3, 8.5)	15
Maine	14.7 (13.8, 15.6)	219	7.8 (7.2, 8.5)	116	6.9 (6.3, 7.5)	103

**Notes:**

County rate is significantly higher than Maine rate

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

## Incidence: District and State Comparisons

### *All Cancers: Incidence by Public Health District of Residence Maine, 2006-2008*

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	494.3 (468.7, 521.0)	486	566.4 (526.0, 609.2)	255	441.5 (408.1, 477.1)	231
Central	498.9 (481.5, 516.9)	1055	560.3 (532.8, 589.0)	537	454.9 (432.2, 478.6)	518
Cumberland	524.5 (509.8, 539.5)	1651	606.0 (582.2, 630.5)	840	470.1 (451.2, 489.6)	811
Downeast	545.5 (520.7, 571.3)	633	636.4 (596.9, 678.0)	339	475.0 (443.2, 508.7)	294
Midcoast	504.7 (486.4, 523.6)	1001	567.5 (538.8, 597.3)	514	462.3 (438.2, 487.6)	487
Penquis	564.7 (545.3, 584.6)	1092	665.3 (633.6, 698.1)	579	490.8 (466.2, 516.4)	513
Western	540.8 (523.3, 558.6)	1242	632.4 (604.3, 661.5)	656	475.3 (452.9, 498.5)	586
York	505.0 (488.5, 521.9)	1216	591.2 (564.6, 618.8)	644	442.2 (421.2, 464.1)	572
Maine	522.7 (516.2, 529.3)	8379	603.9 (593.5, 614.6)	4365	464.7 (456.3, 473.3)	4014

#### Notes:

District rate is significantly higher than Maine rate

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count

#### Data Source:

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

***Lung Cancer: Incidence by Public Health District of Residence  
Maine, 2006-2008***

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	91.0 (80.6, 102.6)	93	126.8 (108.4, 147.6)	58	63.2 (51.5, 77.2)	35
Central	77.5 (70.7, 84.7)	164	91.8 (80.8, 103.9)	87	67.0 (58.6, 76.4)	77
Cumberland	69.1 (63.9, 74.8)	216	86.5 (77.5, 96.3)	115	57.9 (51.5, 65.0)	101
Downeast	89.5 (79.8, 100.3)	105	109.2 (93.2, 127.2)	58	74.2 (62.3, 88.0)	47
Midcoast	70.5 (63.9, 77.6)	143	76.5 (66.2, 87.9)	69	66.1 (57.5, 75.7)	74
Penquis	95.9 (88.1, 104.2)	188	116.2 (103.3, 130.3)	102	80.3 (70.7, 90.8)	86
Western	85.0 (78.2, 92.2)	197	105.9 (94.6, 118.2)	110	69.5 (61.3, 78.6)	88
York	66.8 (60.9, 73.1)	161	75.2 (65.8, 85.5)	81	61.3 (53.7, 69.8)	80
Maine	78.4 (75.9, 81.0)	1267	95.0 (90.8, 99.3)	680	66.4 (63.3, 69.6)	587

***Tobacco-related Cancers, Excl. Lung: Incidence  
by Public Health District of Residence  
Maine, 2006-2008***

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	88.5 (77.9, 100.2)	88	128.3 (109.6, 149.6)	58	56.3 (44.9, 70.1)	30
Central	88.9 (81.7, 96.7)	187	121.0 (108.3, 134.7)	115	63.4 (55.1, 72.8)	72
Cumberland	94.5 (88.3, 101.0)	298	137.8 (126.5, 149.9)	189	62.9 (56.2, 70.3)	109
Downeast	86.1 (76.5, 96.6)	101	125.4 (108.3, 144.7)	67	54.0 (43.8, 66.1)	34
Midcoast	83.7 (76.3, 91.6)	165	120.5 (107.4, 134.7)	107	54.5 (46.4, 63.7)	58
Penquis	94.7 (86.8, 103.0)	184	140.1 (125.7, 155.8)	121	58.9 (50.7, 68.1)	63
Western	102.8 (95.3, 110.7)	238	149.3 (135.7, 163.8)	154	67.3 (59.1, 76.4)	84
York	95.1 (88.1, 102.6)	229	140.1 (127.3, 153.9)	152	58.9 (51.4, 67.2)	77
Maine	92.6 (89.9, 95.4)	1490	134.0 (129.0, 139.0)	963	60.3 (57.3, 63.4)	527

**Notes:**

  District rate is significantly higher than Maine rate.

- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia
- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003).
- 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;
- Excl. = Excluding; Count/Yr = Average Annual Count.

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data



***Prostate Cancer: Incidence  
by Public Health District of Residence  
Maine, 2006-2008***

	<b>Male</b>	
	<b><i>AA Rate (95% CI)</i></b>	<b><i>Count/Yr</i></b>
Aroostook	107.4 (90.9, 126.4)	51
Central	163.3 (149.0, 178.8)	164
Cumberland	168.6 (156.4, 181.5)	245
Downeast	176.7 (156.9, 198.7)	99
Midcoast	160.0 (145.5, 175.7)	154
Penquis	160.3 (145.3, 176.4)	145
Western	166.7 (152.7, 181.7)	179
York	173.3 (159.4, 188.2)	197
Maine	163.1 (157.8, 168.6)	1234

***Female Breast Cancer: Incidence  
by Public Health District of Residence  
Maine, 2006-2008***

	<b>Female</b>	
	<b><i>AA Rate (95% CI)</i></b>	<b><i>Count/Yr</i></b>
Aroostook	107.9 (91.7, 126.6)	56
Central	128.3 (116.4, 141.1)	146
Cumberland	135.6 (125.5, 146.2)	232
Downeast	128.1 (111.9, 146.2)	79
Midcoast	131.3 (118.5, 145.2)	136
Penquis	128.0 (115.6, 141.5)	133
Western	122.6 (111.3, 134.8)	149
York	129.7 (118.5, 141.8)	169
Maine	128.2 (123.8, 132.7)	1101

**Notes:**

- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- 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/Yr = Average Annual Count.

**Data Source:**

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data

### *Colorectal Cancer: Incidence by Public Health District of Residence Maine, 2006-2008*

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	60.2 (51.6, 69.9)	60	69.8 (55.9, 86.3)	30	52.6 (42.1, 65.4)	30
Central	45.4 (40.3, 51.0)	96	49.2 (41.2, 58.3)	46	42.3 (35.7, 49.9)	50
Cumberland	44.2 (40.1, 48.7)	142	45.8 (39.4, 53.0)	62	42.9 (37.5, 48.9)	80
Downeast	52.3 (45.0, 60.5)	63	59.4 (48.0, 72.9)	33	46.0 (36.9, 57.1)	30
Midcoast	43.2 (38.1, 49.0)	88	51.5 (43.0, 61.2)	46	36.4 (30.2, 43.6)	42
Penquis	59.2 (53.1, 65.9)	114	67.7 (57.8, 78.8)	59	52.2 (44.5, 61.0)	56
Western	47.7 (42.6, 53.2)	110	52.5 (44.5, 61.4)	53	44.2 (37.7, 51.5)	57
York	45.8 (41.0, 51.1)	111	52.9 (45.1, 61.8)	56	40.3 (34.3, 47.1)	55
Maine	48.5 (46.5, 50.5)	785	54.2 (51.1, 57.5)	385	43.9 (41.4, 46.5)	400

### *Brain and Other Nervous System Tumors: Incidence by Public Health District of Residence Maine, 2004-2008*

	All Behaviors		Malignant		Non-malignant	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	16.2 (12.6, 20.6)	14	9.1 (6.5, 12.6)	8	7.1 (4.8, 10.2)	6
Central	13.2 (11.0, 15.8)	25	8.0 (6.3, 10.1)	15	5.2 (3.8, 6.9)	10
Cumberland	14.3 (12.5, 16.4)	44	8.2 (6.8, 9.8)	25	6.2 (5.0, 7.6)	19
Downeast	12.8 (10.0, 16.3)	14	6.3 (4.3, 8.9)	7	6.5 (4.6, 9.1)	7
Midcoast	15.2 (12.7, 18.0)	28	8.2 (6.4, 10.3)	15	7.0 (5.3, 9.1)	13
Penquis	17.0 (14.3, 20.0)	30	8.8 (6.9, 11.0)	15	8.2 (6.4, 10.4)	15
Western	14.8 (12.5, 17.4)	31	6.7 (5.1, 8.5)	14	8.2 (6.5, 10.1)	17
York	14.0 (11.9, 16.4)	32	7.3 (5.8, 9.1)	17	6.8 (5.3, 8.5)	15
Maine	14.7 (13.8, 15.6)	219	7.8 (7.2, 8.5)	116	6.9 (6.3, 7.5)	103

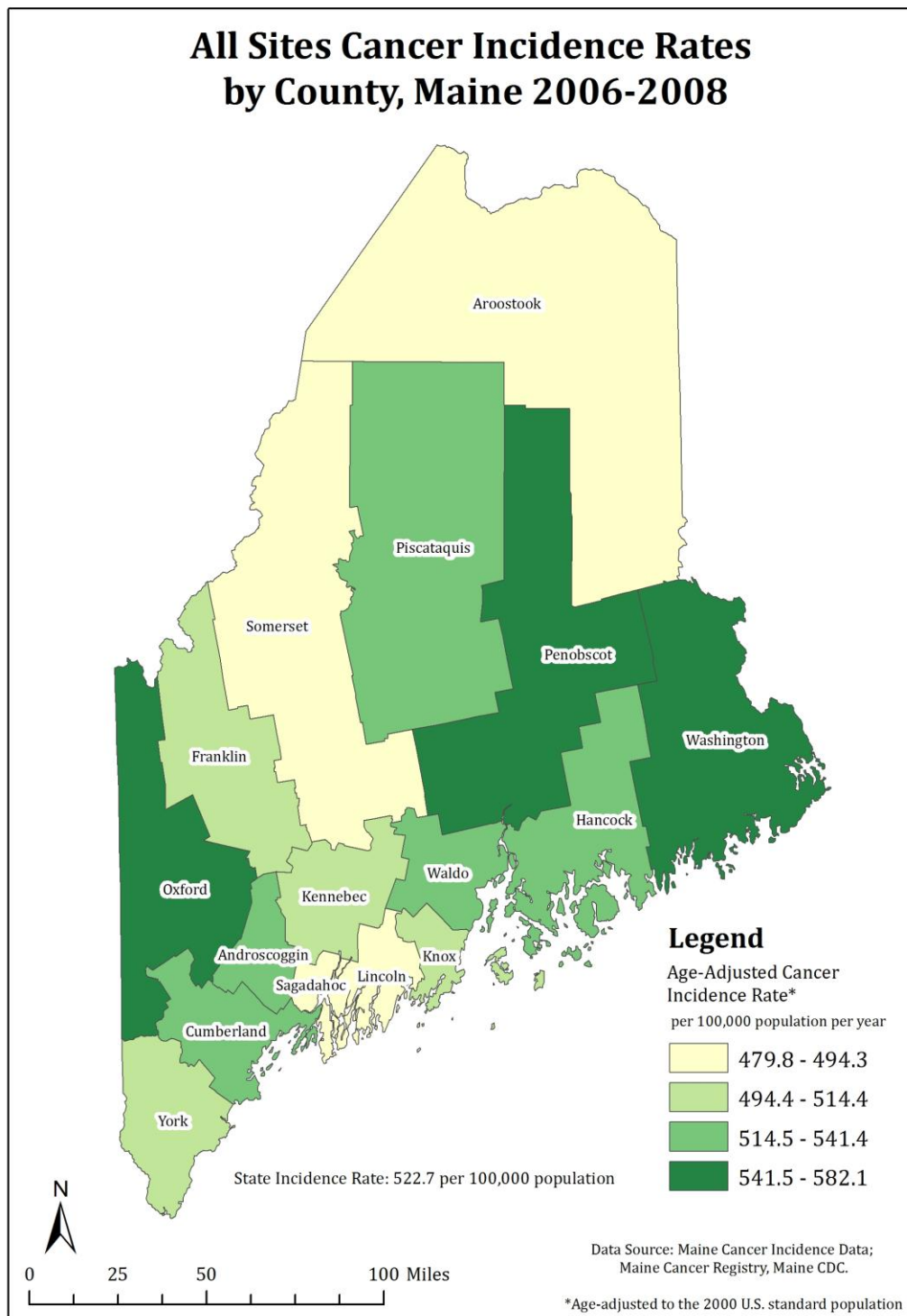
#### Notes:

  District rate is significantly higher than Maine rate

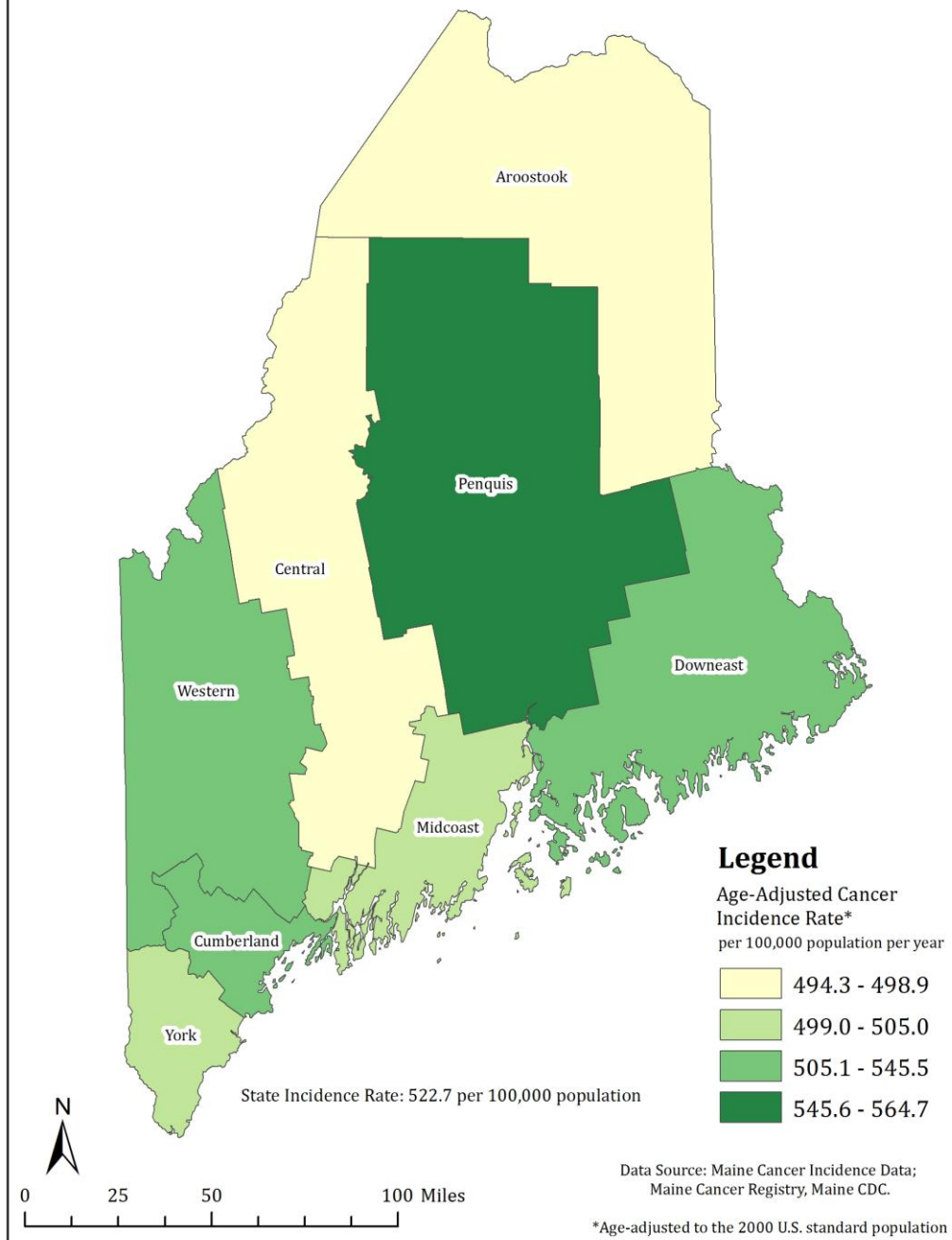
- Incidence case definitions are based on SEER Site Recode ICD-O-3 (1/27/2003)
- Incidence case definitions exclude histologies consistent with Kaposi Sarcoma and Mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population.
- Abbreviations: ONS= Other Nervous System; AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Count/Yr = Average Annual Count All behaviors = Malignant and Non-Malignant.

#### Data Source:

- Maine Cancer Registry, 1995-2008 NPCR-CSS Call for Data



## All Sites Cancer Incidence Rates by Public Health District, Maine 2006-2008



## Mortality: State and National Comparisons

### Age-adjusted Cancer Mortality Rates by Site Maine, 2007

	Total			
	AA Rate (95% CI)	Count	US Whites	US All Races
All Malignant Cancers	191.9 (185.2, 198.8)	3112	177.1 (176.6, 177.6)	178.1 (177.7, 178.6)
Lung and Bronchus	56.3 (52.7, 60.2)	913	51.2 (51.0, 51.5)	50.7 (50.4, 50.9)
Tobacco-related, Excl. Lung	40.1 (37.0, 43.3)	653	34.2 (34.0, 34.4)	34.7 (34.5, 34.9)
Colon and Rectum	19.0 (16.9, 21.2)	313	16.2 (16.1, 16.4)	16.7 (16.6, 16.9)
Breast	See page 29 and 30 for gender specific rates			
Prostate	See page 29 for gender specific rate			
Pancreas	10.4 (8.9, 12.1)	171	10.6 (10.5, 10.7)	10.8 (10.7, 10.9)
Urinary Bladder	6.7 (5.5, 8.1)	109	4.5 (4.5, 4.6)	4.4 (4.3, 4.4)
Leukemia	6.7 (5.4, 8.1)	104	6.2 (6.1, 6.3)	6.0 (5.9, 6.1)
Non-Hodgkin Lymphoma	6.6 (5.4, 8.1)	105	6.8 (6.7, 6.9)	6.5 (6.4, 6.6)
Esophagus	5.9 (4.7, 7.2)	96	4.3 (4.3, 4.4)	4.3 (4.2, 4.3)
Kidney & Renal Pelvis	4.8 (3.8, 6.0)	79	4.1 (4.0, 4.1)	4.0 (3.9, 4.1)
Liver & Intrahep. Bile Duct	4.7 (3.7, 5.9)	78	5.0 (4.9, 5.0)	5.4 (5.3, 5.4)
Brain & Other Nerv. System	4.4 (3.4, 5.7)	69	4.6 (4.5, 4.7)	4.2 (4.1, 4.3)
Stomach	3.6 (2.7, 4.7)	59	3.1 (3.1, 3.2)	3.6 (3.5, 3.7)
Myeloma	2.9 (2.1, 3.9)	47	3.2 (3.1, 3.3)	3.5 (3.4, 3.5)
Melanoma of the Skin	2.8 (2.0, 3.8)	44	3.0 (3.0, 3.1)	2.7 (2.6, 2.7)
Oral Cavity & Pharynx	2.4 (1.7, 3.3)	40	2.4 (2.4, 2.5)	2.5 (2.5, 2.6)
Larynx	1.6 (1.1, 2.4)	26	1.1 (1.0, 1.1)	1.1 (1.1, 1.2)
Hodgkin Lymphoma	0.4 (0.1, 0.9)	6	0.4 (0.4, 0.5)	0.4 (0.4, 0.4)
Thyroid	0.4 (0.2, 0.9)	7	0.5 (0.5, 0.5)	0.5 (0.5, 0.5)
Testis	See page 29 for gender specific rate			
Ovary	See page 30 for gender specific rate			
Corpus Uteri	See page 30 for gender specific rate			
Cervix Uteri	See page 30 for gender specific rate			

#### Notes:

  Maine rate is significantly higher than US White rate

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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; Excl. = Excluding; Nerv. = Nervous; Intrahep.= Intrahepatic
- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia

#### Data Sources:

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use With State, Total U.S. (1969-2007)

## Age-adjusted Cancer Mortality Rates by Site Maine, 2007

	Male			
	AA Rate (95% CI)	Count	US Whites	US All Races
All Malignant Cancers	235.8 (224.2, 247.7)	1616	215.2 (214.4, 216.1)	217.8 (217.0, 218.6)
Lung and Bronchus	70.4 (64.2, 77.0)	492	64.8 (64.4, 65.3)	65.2 (64.8, 65.7)
Tobacco-related, Excl. Lung	57.5 (51.9, 63.5)	401	47.7 (47.3, 48.1)	48.1 (47.7, 48.4)
Prostate	22.5 (18.9, 26.6)	138	21.6 (21.3, 21.9)	23.5 (23.2, 23.8)
Colon and Rectum	21.8 (18.4, 25.7)	151	19.5 (19.2, 19.7)	20.0 (19.8, 20.3)
Breast	~	~	0.3 (0.2, 0.3)	0.3 (0.2, 0.3)
Pancreas	12.7 (10.1, 15.6)	89	12.4 (12.2, 12.6)	12.5 (12.3, 12.7)
Esophagus	11.3 (8.9, 14.1)	80	7.8 (7.7, 8.0)	7.7 (7.5, 7.8)
Urinary Bladder	11.0 (8.6, 13.9)	74	8.0 (7.8, 8.1)	7.6 (7.4, 7.7)
Leukemia	10.2 (7.9, 12.9)	69	8.4 (8.2, 8.6)	8.1 (7.9, 8.2)
Non-Hodgkin Lymphoma	9.5 (7.3, 12.2)	64	8.6 (8.4, 8.8)	8.3 (8.1, 8.4)
Kidney & Renal Pelvis	6.3 (4.6, 8.5)	45	5.9 (5.7, 6.0)	5.8 (5.7, 5.9)
Liver & Intrahep. Bile Duct	6.0 (4.3, 8.1)	45	7.2 (7.1, 7.4)	7.9 (7.8, 8.1)
Stomach	5.3 (3.7, 7.3)	36	4.4 (4.2, 4.5)	5.0 (4.9, 5.1)
Melanoma of the Skin	4.1 (2.8, 6.0)	29	4.5 (4.4, 4.6)	4.0 (3.9, 4.1)
Brain & Other Nerv. System	3.9 (2.6, 5.7)	28	5.5 (5.4, 5.6)	5.1 (5.0, 5.2)
Oral Cavity & Pharynx	3.7 (2.4, 5.4)	27	3.7 (3.6, 3.8)	3.9 (3.7, 4.0)
Myeloma	3.3 (2.0, 5.0)	21	4.2 (4.0, 4.3)	4.4 (4.3, 4.5)
Larynx	2.3 (1.3, 3.9)	16	1.9 (1.8, 2.0)	2.1 (2.0, 2.1)
Hodgkin Lymphoma	~	~	0.5 (0.5, 0.6)	0.5 (0.5, 0.5)
Testis	~	~	0.2 (0.2, 0.3)	0.2 (0.2, 0.2)
Thyroid	~	~	0.5 (0.5, 0.6)	0.5 (0.5, 0.6)

### Notes:

Maine rate is significantly higher than US White rate

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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; Excl. = Excluding; Nerv. = Nervous; Intrahep.= Intrahepatic
- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia
- ~Rate suppressed because number of deaths fewer than 6

### Data Sources:

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use With State, Total U.S. (1969-2007)

## Age-adjusted Cancer Mortality Rates by Site Maine, 2007

	Female			
	AA Rate (95% CI)	Count	US Whites	US All Races
All Malignant Cancers	163.6 (155.3, 172.3)	1496	150.6 (150.0, 151.2)	150.9 (150.3, 151.4)
Lung and Bronchus	46.5 (42.1, 51.2)	421	41.1 (40.8, 41.5)	40.0 (39.7, 40.3)
Tobacco-related, Excl. Lung	27.2 (23.9, 30.9)	252	23.9 (23.7, 24.2)	24.7 (24.5, 25.0)
Breast	20.3 (17.4, 23.5)	184	22.2 (22.0, 22.5)	22.8 (22.6, 23.1)
Colon and Rectum	17.0 (14.4, 19.9)	162	13.7 (13.5, 13.9)	14.1 (14.0, 14.3)
Prostate	See page 29 for gender specific rate			
Pancreas	8.7 (6.9, 10.9)	82	9.1 (9.0, 9.3)	9.4 (9.2, 9.5)
Ovary	7.5 (5.8, 9.6)	67	8.6 (8.4, 8.7)	8.2 (8.1, 8.4)
Brain & Other Nerv. System	4.8 (3.4, 6.6)	41	3.8 (3.7, 3.9)	3.5 (3.4, 3.6)
Corpus Uteri	4.8 (3.4, 6.5)	43	3.9 (3.8, 4.0)	4.2 (4.1, 4.3)
Non-Hodgkin Lymphoma	4.4 (3.2, 6.1)	41	5.4 (5.3, 5.5)	5.2 (5.1, 5.3)
Leukemia	4.1 (2.8, 5.8)	35	4.6 (4.5, 4.7)	4.5 (4.4, 4.6)
Kidney & Renal Pelvis	3.8 (2.6, 5.3)	34	2.7 (2.6, 2.8)	2.6 (2.6, 2.7)
Liver & Intrahep. Bile Duct	3.6 (2.5, 5.2)	33	3.1 (3.0, 3.2)	3.2 (3.2, 3.3)
Urinary Bladder	3.6 (2.5, 5.1)	35	2.2 (2.1, 2.3)	2.2 (2.1, 2.3)
Myeloma	2.8 (1.8, 4.1)	26	2.5 (2.4, 2.6)	2.8 (2.7, 2.9)
Stomach	2.3 (1.4, 3.5)	23	2.2 (2.1, 2.3)	2.6 (2.5, 2.6)
Cervix Uteri	2.2 (1.3, 3.5)	19	2.2 (2.1, 2.3)	2.4 (2.3, 2.5)
Melanoma of the Skin	1.8 (1.0, 3.1)	15	1.9 (1.8, 2.0)	1.7 (1.6, 1.7)
Esophagus	1.7 (1.0, 2.9)	16	1.5 (1.5, 1.6)	1.6 (1.5, 1.6)
Oral Cavity & Pharynx	1.3 (0.7, 2.3)	13	1.4 (1.3, 1.5)	1.4 (1.4, 1.5)
Larynx	1.2 (0.5, 2.2)	10	0.4 (0.4, 0.4)	0.4 (0.4, 0.5)
Thyroid	~	~	0.5 (0.4, 0.5)	0.5 (0.4, 0.5)
Hodgkin Lymphoma	~	~	0.3 (0.3, 0.4)	0.3 (0.3, 0.4)

**Notes:**

  Maine rate is significantly higher than US White rate

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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; Excl. = Excluding; Nerv. = Nervous; Intrahep.= Intrahepatic
- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia
- ~Rate suppressed because number of deaths fewer than 6

**Data Sources:**


- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use With State, Total U.S. (1969-2007)

## Mortality: County and State Comparisons

### *All Cancers: Mortality by County of Residence Maine, 2003-2007*

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	198.5 (187.5, 210.0)	307	235.0 (216.5, 254.7)	152	175.3 (161.5, 190.1)	156
Aroostook	197.1 (184.9, 210.0)	246	247.3 (226.5, 269.7)	133	160.7 (146.0, 176.6)	113
Cumberland	196.7 (189.7, 203.9)	766	242.3 (230.1, 254.9)	382	169.8 (161.3, 178.8)	384
Franklin	210.6 (189.3, 233.8)	91	234.7 (200.4, 273.2)	44	196.7 (169.1, 227.9)	47
Hancock	203.6 (188.7, 219.4)	176	236.8 (212.4, 263.4)	88	182.3 (163.5, 202.9)	88
Kennebec	200.6 (190.2, 211.4)	357	244.5 (227.0, 263.0)	186	170.4 (157.7, 184.0)	171
Knox	183.7 (168.0, 200.5)	130	246.7 (219.1, 277.0)	74	139.7 (121.6, 160.2)	56
Lincoln	192.0 (175.3, 210.1)	124	224.4 (197.2, 254.7)	63	170.2 (149.2, 193.9)	61
Oxford	216.7 (201.6, 232.7)	193	278.5 (252.6, 306.4)	108	172.9 (154.8, 192.8)	85
Penobscot	207.0 (197.1, 217.2)	417	254.8 (237.7, 272.9)	217	174.2 (162.3, 186.8)	200
Piscataquis	236.0 (209.1, 265.7)	72	270.5 (227.4, 320.0)	36	214.0 (179.5, 254.1)	36
Sagadahoc	194.6 (175.7, 215.1)	99	244.5 (211.6, 281.1)	52	162.3 (139.4, 187.9)	47
Somerset	205.7 (189.9, 222.5)	158	264.2 (236.5, 294.3)	86	165.8 (147.1, 186.5)	72
Waldo	189.2 (171.3, 208.5)	105	222.3 (193.0, 254.8)	55	165.7 (143.4, 190.6)	50
Washington	222.9 (203.9, 243.4)	129	296.3 (263.4, 332.5)	75	170.0 (147.7, 195.2)	54
York	191.6 (183.6, 199.8)	550	230.8 (217.4, 244.9)	284	164.8 (155.0, 175.1)	266
Maine	199.7 (196.6, 202.9)	3916	245.0 (239.6, 250.5)	2032	169.5 (165.6, 173.4)	1884

#### Notes:

 County rate is significantly higher than Maine rate

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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

#### Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007).



**Lung Cancer: Mortality by County of Residence  
Maine, 2003-2007**

	Total		Male		Female	
	AA Rate (95%)	Count/Yr	AA Rate (95%)	Count/Yr	AA Rate (95%)	Count/Yr
Androscoggin	66.0 (59.7, 72.9)	100	79.2 (68.7, 90.9)	52	56.7 (48.9, 65.5)	48
Aroostook	62.5 (55.7, 70.0)	78	88.0 (75.9, 101.7)	48	43.4 (35.8, 52.2)	30
Cumberland	57.6 (53.8, 61.5)	221	73.7 (67.1, 80.8)	118	46.5 (42.1, 51.3)	103
Franklin	52.2 (41.9, 64.3)	23	60.7 (44.4, 81.2)	12	45.1 (32.5, 61.2)	11
Hancock	54.4 (46.9, 62.9)	47	64.4 (52.3, 78.7)	25	47.0 (37.7, 58.3)	22
Kennebec	62.0 (56.3, 68.1)	110	75.7 (66.2, 86.3)	58	52.9 (45.9, 60.8)	52
Knox	58.6 (49.9, 68.6)	42	84.6 (68.9, 103.1)	26	40.8 (31.1, 52.9)	16
Lincoln	52.7 (44.0, 62.7)	33	62.6 (48.6, 79.8)	17	46.0 (35.4, 59.4)	16
Oxford	67.8 (59.5, 77.0)	61	92.2 (77.7, 108.8)	37	50.1 (40.6, 61.5)	24
Penobscot	62.1 (56.7, 67.7)	127	82.1 (72.7, 92.4)	73	47.2 (41.1, 54.1)	54
Piscataquis	70.3 (56.3, 87.3)	22	90.1 (66.8, 119.9)	13	54.6 (38.1, 77.0)	9
Sagadahoc	59.7 (49.4, 71.5)	30	69.5 (52.7, 89.9)	15	52.2 (39.7, 67.6)	15
Somerset	72.6 (63.4, 82.8)	57	95.2 (79.1, 113.6)	32	56.2 (45.6, 68.8)	25
Waldo	57.3 (47.7, 68.3)	32	63.6 (48.8, 81.7)	16	51.6 (39.6, 66.3)	16
Washington	68.5 (58.3, 80.3)	40	89.8 (72.4, 110.5)	23	51.4 (39.6, 66.1)	17
York	56.8 (52.5, 61.4)	163	70.2 (62.9, 78.1)	87	47.9 (42.6, 53.7)	76
Maine	60.4 (58.7, 62.2)	1184	76.9 (73.9, 79.9)	651	48.7 (46.6, 50.8)	533

**Notes:**

  County rate is significantly higher than Maine rate

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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; Excl. = Excluding

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)

***Tobacco-related Cancers, Excl. Lung: Mortality by County of Residence  
Maine, 2003-2007***

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	40.2 (35.3, 45.6)	63	57.9 (48.9, 68.1)	38	26.8 (21.7, 32.9)	25
Aroostook	35.8 (30.7, 41.6)	45	47.1 (38.3, 57.5)	26	27.6 (21.7, 34.8)	19
Cumberland	39.5 (36.4, 42.8)	155	55.3 (49.7, 61.5)	91	28.3 (24.9, 32.1)	64
Franklin	51.8 (41.5, 64.0)	22	64.1 (46.7, 85.8)	12	44.8 (32.1, 61.1)	11
Hancock	40.3 (33.8, 47.8)	35	56.5 (44.9, 70.3)	21	27.8 (20.9, 36.7)	14
Kennebec	38.9 (34.4, 43.8)	69	52.1 (44.3, 60.8)	41	27.3 (22.5, 33.0)	28
Knox	31.9 (25.5, 39.5)	22	52.2 (40.1, 67.0)	16	16.1 (10.3, 24.6)	6
Lincoln	31.6 (25.2, 39.5)	21	40.6 (29.8, 54.6)	12	24.5 (17.0, 34.8)	9
Oxford	45.4 (38.6, 53.1)	40	63.8 (51.8, 77.8)	25	30.8 (23.4, 40.0)	15
Penobscot	38.2 (34.0, 42.7)	77	54.9 (47.1, 63.6)	47	25.9 (21.5, 31.1)	30
Piscataquis	35.5 (25.7, 48.5)	11	42.8 (27.0, 65.4)	6	30.0 (18.2, 47.9)	5
Sagadahoc	41.6 (33.0, 51.7)	21	62.4 (46.7, 81.7)	14	24.3 (15.8, 35.9)	7
Somerset	35.2 (28.9, 42.6)	27	50.7 (39.2, 64.5)	17	23.1 (16.5, 31.8)	10
Waldo	43.4 (35.1, 53.1)	25	51.5 (38.1, 68.1)	13	37.3 (27.2, 50.1)	12
Washington	44.3 (36.1, 54.0)	26	73.0 (57.1, 92.3)	18	22.5 (15.1, 32.9)	8
York	37.1 (33.7, 40.8)	107	55.7 (49.3, 62.7)	71	22.6 (19.1, 26.7)	37
Maine	38.9 (37.5, 40.3)	765	54.9 (52.4, 57.5)	466	26.6 (25.1, 28.2)	299

**Notes:**

County rate is significantly higher than Maine rate

- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia
- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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; Excl. = Excluding

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)

**Prostate Cancer: Mortality  
by County of Residence  
Maine, 2003-2007**

	Male	
	AA Rate (95% CI)	Count/Yr
Androscoggin	19.8 (14.5, 26.4)	12
Aroostook	11.4 (7.2, 17.3)	6
Cumberland	28.2 (24.0, 33.0)	40
Franklin	19.1 (10.0, 33.0)	3
Hancock	27.3 (19.3, 37.6)	10
Kennebec	28.5 (22.5, 35.7)	19
Knox	25.0 (16.6, 36.3)	7
Lincoln	36.2 (25.7, 49.9)	10
Oxford	28.1 (19.9, 38.5)	10
Penobscot	21.3 (16.3, 27.4)	16
Piscataquis	47.5 (30.0, 72.2)	6
Sagadahoc	31.9 (20.1, 47.7)	6
Somerset	23.8 (15.7, 34.6)	7
Waldo	27.4 (17.3, 41.1)	6
Washington	22.6 (14.1, 34.6)	6
York	25.8 (21.2, 31.1)	28
Maine	25.4 (23.6, 27.3)	190

**Notes:**

Piscataquis County rate is significantly higher than Maine rate

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)

***Female Breast Cancer: Mortality  
by County of Residence  
Maine, 2003-2007***

	Female	
	<b><i>AA Rate (95% CI)</i></b>	<b><i>Count/Yr</i></b>
Androscoggin	27.3 (22.0, 33.6)	24
Aroostook	18.9 (14.0, 25.1)	13
Cumberland	22.9 (19.8, 26.3)	52
Franklin	24.9 (15.8, 37.8)	6
Hancock	25.2 (18.4, 33.9)	12
Kennebec	19.6 (15.4, 24.7)	19
Knox	23.8 (16.5, 33.7)	9
Lincoln	21.2 (14.1, 31.3)	7
Oxford	24.1 (17.7, 32.4)	12
Penobscot	26.4 (21.8, 31.7)	30
Piscataquis	22.5 (12.2, 39.2)	4
Sagadahoc	21.9 (14.1, 32.8)	6
Somerset	18.7 (12.9, 26.6)	8
Waldo	11.9 (6.7, 20.1)	4
Washington	24.2 (15.9, 35.6)	7
York	22.1 (18.5, 26.1)	35
Maine	22.6 (21.2, 24.1)	248

**Notes:**

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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; Excl. = Excluding

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)

**Colorectal Cancer: Mortality by County of Residence  
Maine, 2003-2007**

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	17.0 (13.9, 20.5)	27	21.1 (15.8, 27.6)	14	13.8 (10.3, 18.4)	13
Aroostook	20.6 (16.8, 25.1)	26	25.6 (19.1, 33.6)	14	16.7 (12.3, 22.5)	12
Cumberland	19.7 (17.5, 22.0)	77	23.1 (19.4, 27.3)	36	17.4 (14.8, 20.4)	41
Franklin	24.9 (17.8, 34.0)	10	29.6 (18.1, 45.7)	5	22.3 (13.4, 35.1)	5
Hancock	15.9 (12.0, 20.8)	15	15.8 (10.0, 24.0)	6	16.7 (11.5, 23.8)	9
Kennebec	16.7 (13.8, 20.0)	30	18.7 (14.0, 24.3)	14	15.3 (11.7, 19.6)	16
Knox	11.8 (8.2, 16.8)	8	14.9 (8.7, 24.1)	4	9.9 (5.7, 16.7)	4
Lincoln	16.7 (12.1, 22.7)	12	16.8 (10.0, 26.8)	5	15.9 (10.3, 24.4)	7
Oxford	19.3 (15.0, 24.5)	17	26.3 (18.8, 36.0)	10	14.0 (9.3, 20.6)	7
Penobscot	18.5 (15.7, 21.8)	38	19.4 (14.9, 24.8)	17	17.6 (14.0, 22.0)	21
Piscataquis	25.8 (17.4, 37.4)	8	31 (17.0, 52.3)	4	22.4 (12.6, 38.4)	4
Sagadahoc	16.2 (11.1, 22.8)	8	20.2 (11.6, 32.6)	4	13.7 (7.8, 22.7)	4
Somerset	19.4 (14.7, 25.1)	15	14.9 (8.8, 23.4)	5	22.1 (15.7, 30.4)	10
Waldo	14.9 (10.2, 21.1)	9	18.8 (11.1, 29.9)	5	11.4 (6.2, 19.5)	4
Washington	20.7 (15.2, 27.7)	12	25.0 (16.1, 37.4)	6	17.3 (10.8, 26.8)	6
York	17.3 (15.0, 19.9)	51	18.6 (15.0, 22.9)	24	15.9 (13.0, 19.3)	27
Maine	18.2 (17.3, 19.2)	360	20.8 (19.3, 22.5)	171	16.3 (15.1, 17.5)	189

**Notes:**

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)

## Mortality: District and State Comparisons

### *All Cancers: Mortality by Public Health District of Residence Maine, 2003-2007*

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	197.1 (184.9, 210.0)	246	247.3 (226.5, 269.7)	133	160.7 (146.0, 176.6)	113
Central	202 (193.3, 211.0)	515	250.2 (235.3, 265.8)	272	169.0 (158.4, 180.1)	243
Cumberland	196.7 (189.7, 203.9)	766	242.3 (230.1, 254.9)	382	169.8 (161.3, 178.8)	384
Downeast	210.9 (199.2, 223.3)	305	260.3 (240.5, 281.4)	163	176.9 (162.5, 192.5)	142
Midcoast	189.7 (181.0, 198.7)	456	234.6 (219.9, 250.1)	242	158.8 (148.2, 170.1)	214
Penquis	210.9 (201.6, 220.5)	488	257.3 (241.3, 274.1)	253	179.2 (167.8, 191.1)	235
Western	205.7 (197.4, 214.2)	591	248.7 (234.8, 263.3)	304	177.3 (167.0, 188.1)	287
York	191.6 (183.6, 199.8)	550	230.8 (217.4, 244.9)	284	164.8 (155.0, 175.1)	266
Maine	199.7 (196.6, 202.9)	3916	245.0 (239.6, 250.5)	2032	169.5 (165.6, 173.4)	1884

#### Notes:

County rate is significantly higher than Maine rate

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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

#### Data Source:

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)

***Lung Cancer: Mortality by Public Health District of Residence  
Maine, 2003-2007***

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	62.5 (55.7, 70.0)	78	88.0 (75.9, 101.7)	48	43.4 (35.8, 52.2)	30
Central	65.1 (60.2, 70.3)	166	81.5 (73.2, 90.5)	90	53.8 (47.9, 60.3)	76
Cumberland	57.6 (53.8, 61.5)	221	73.7 (67.1, 80.8)	118	46.5 (42.1, 51.3)	103
Downeast	60.0 (53.9, 66.8)	87	74.5 (64.3, 86.0)	48	48.8 (41.3, 57.3)	39
Midcoast	57.0 (52.3, 62.0)	137	70.9 (63.0, 79.6)	74	46.9 (41.2, 53.2)	63
Penquis	63.2 (58.2, 68.5)	148	83.3 (74.5, 92.9)	85	48.2 (42.4, 54.6)	63
Western	64.2 (59.6, 69.1)	184	80.3 (72.6, 88.7)	101	52.7 (47.1, 58.8)	83
York	56.8 (52.5, 61.4)	163	70.2 (62.9, 78.1)	87	47.9 (42.6, 53.7)	76
Maine	60.4 (58.7, 62.2)	1184	76.9 (73.9, 79.9)	651	48.7 (46.6, 50.8)	533

***Tobacco-related Cancers, Excl. Lung: Mortality  
by Public Health District of Residence  
Maine, 2003-2007***

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	35.8 (30.7, 41.6)	45	47.1 (38.3, 57.5)	26	27.6 (21.7, 34.8)	19
Central	37.7 (34.0, 41.7)	97	51.5 (45.0, 58.7)	58	26.0 (22.0, 30.6)	38
Cumberland	39.5 (36.4, 42.8)	155	55.3 (49.7, 61.5)	91	28.3 (24.9, 32.1)	64
Downeast	41.9 (36.7, 47.6)	61	63.0 (53.4, 73.9)	39	25.7 (20.5, 32.1)	21
Midcoast	36.6 (32.8, 40.7)	88	50.9 (44.3, 58.2)	55	25.1 (21.0, 29.9)	34
Penquis	37.8 (34.0, 42.0)	88	53.2 (46.1, 61.1)	53	26.4 (22.2, 31.2)	35
Western	43.6 (39.8, 47.6)	125	60.7 (53.9, 68.1)	75	30.8 (26.6, 35.5)	51
York	37.1 (33.7, 40.8)	107	55.7 (49.3, 62.7)	71	22.6 (19.1, 26.7)	37
Maine	38.9 (37.5, 40.3)	765	54.9 (52.4, 57.5)	466	26.6 (25.1, 28.2)	299

**Notes:**

County rate is significantly higher than Maine rate

- Tobacco-related cancers, excl. lung = laryngeal, oropharyngeal, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, and cervical cancers, and acute myeloid leukemia
- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)

***Prostate Cancer: Mortality  
by Public Health District of Residence  
Maine, 2003-2007***

	Male	
	<b>AA Rate (95% CI)</b>	<b>Count/Yr</b>
Aroostook	11.4 (7.2, 17.3)	6
Central	27.3 (22.2, 33.1)	26
Cumberland	28.2 (24.0, 33.0)	40
Downeast	25.3 (19.3, 32.7)	15
Midcoast	30.1 (24.8, 36.2)	29
Penquis	25.2 (20.1, 31.3)	22
Western	22.4 (18.1, 27.3)	25
York	25.8 (21.2, 31.1)	28
Maine	25.4 (23.6, 27.3)	190

***Female Breast Cancer: Mortality  
by Public Health District of Residence  
Maine, 2003-2007***

	Female	
	<b>AA Rate (95% CI)</b>	<b>Count/Yr</b>
Aroostook	18.9 (14.0, 25.1)	13
Central	19.3 (15.8, 23.4)	27
Cumberland	22.9 (19.8, 26.3)	52
Downeast	24.8 (19.4, 31.3)	19
Midcoast	19.8 (16.1, 24.1)	26
Penquis	25.9 (21.7, 30.8)	34
Western	26.0 (22.2, 30.4)	42
York	22.1 (18.5, 26.1)	35
Maine	22.6 (21.2, 24.1)	248

**Notes:**

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)



**Colorectal Cancer: Mortality by Public Health District of Residence  
Maine, 2003-2007**

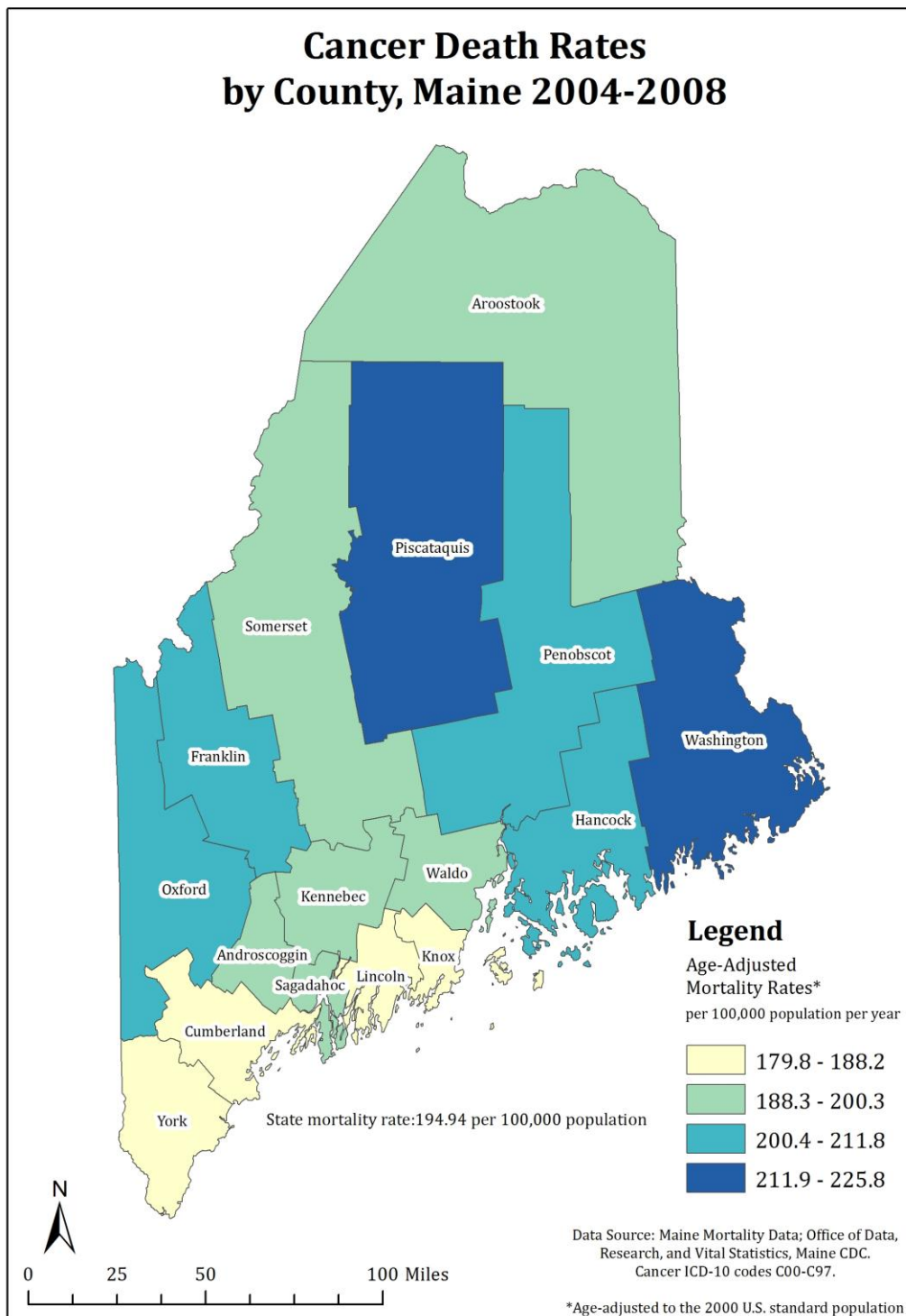
	Total		Male		Female	
	<i>AA Rate (95% CI)</i>	<i>Count/Yr</i>	<i>AA Rate (95% CI)</i>	<i>Count/Yr</i>	<i>AA Rate (95% CI)</i>	<i>Count/Yr</i>
Aroostook	20.6 (16.8, 25.1)	26	25.6 (19.1, 33.6)	14	16.7 (12.3, 22.5)	12
Central	17.5 (15.0, 20.3)	45	17.6 (13.8, 22.1)	19	17.3 (14.1, 21.1)	26
Cumberland	19.7 (17.5, 22.0)	77	23.1 (19.4, 27.3)	36	17.4 (14.8, 20.4)	41
Downeast	17.7 (14.5, 21.6)	26	19.3 (14.2, 25.8)	12	16.9 (12.7, 22.2)	14
Midcoast	14.9 (12.5, 17.5)	36	17.6 (13.7, 22.2)	18	12.7 (9.9, 16.1)	18
Penquis	19.5 (16.7, 22.6)	45	21.1 (16.6, 26.3)	21	18.3 (14.8, 22.4)	25
Western	18.8 (16.4, 21.5)	54	23.9 (19.7, 28.8)	29	15.1 (12.2, 18.5)	25
York	17.3 (15.0, 19.9)	50	18.6 (15.0, 22.9)	24	15.9 (13.0, 19.3)	27
Maine	18.2 (17.3, 19.2)	360	20.8 (19.3, 22.5)	171	16.3 (15.1, 17.5)	189

**Notes:**

- Mortality case definitions are based on ICD-10 codes (see page 7)
- 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

**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use With County, Total U.S. (1969-2007)



## Cancer Death Rates by Public Health District, Maine 2004-2008

