

# 5

## Cancer Mortality by Cause

### 5.1 Men and Women Combined

#### 5.1.1 Five-year Cancer Mortality

Table 5.1: Average annual age-adjusted cancer mortality rate by cause of death, men and women, 2014–2018.

	Alaska Native People			US White People		RR
	Count	Rate	95% CI	Rate	95% CI	
<b>All malignant cancers</b>	<b>913</b>	<b>211.6</b>	<b>(197.2, 226.9)</b>	<b>156.3</b>	<b>(156.1, 156.5)</b>	<b>1.4</b>
Lung and Bronchus	218	50.8	(43.9, 58.7)	39.3	(39.2, 39.4)	1.3
Colon and Rectum	149	37.4	(31.3, 44.5)	13.4	(13.3, 13.5)	2.8
Breast (women)	56	23.5	(17.5, 31.1)	19.6	(19.5, 19.7)	1.2
Prostate (men)	20	16.4	(9.7, 26.2)	17.9	(17.8, 18.0)	0.9
Stomach	57	11.8	(8.8, 15.7)	2.6	(2.6, 2.6)	4.5
Pancreas	52	11.6	(8.5, 15.7)	11.0	(10.9, 11.0)	1.1
Esophagus	33	6.6	(4.4, 9.8)	4.1	(4.1, 4.2)	1.6
Liver	26	5.5	(3.5, 8.5)	4.5	(4.5, 4.6)	1.2
Kidney and Renal Pelvis	23	4.8	(2.9, 7.5)	3.8	(3.7, 3.8)	1.3
Urinary Bladder	16	4.2	(2.3, 7.2)	4.5	(4.5, 4.6)	0.9
Ovary (women)	11	4.0	(2.0, 7.8)	6.9	(6.9, 7.0)	0.6
Brain and Other Nervous System	18	3.6	(2.1, 6.2)	4.8	(4.8, 4.9)	0.8
Non-Hodgkin Lymphoma	14	3.3	(1.7, 6.0)	5.6	(5.6, 5.7)	0.6
Nasopharynx	14	2.9	(1.5, 5.3)	0.1	(0.1, 0.1)	29.0
Intrahepatic Bile Duct	12	2.6	(1.2, 5.0)	1.7	(1.7, 1.7)	1.5

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

Causes with a count less than or equal to 10 have been excluded from this table.

5.1.2 *Twenty-five-year Cancer Mortality*

Table 5.2: Average annual age-adjusted cancer mortality rate by cause of death, men and women, 1994–2018.

	Alaska Native People			US White People		RR
	Count	Rate	95% CI	Rate	95% CI	
<b>All malignant cancers</b>	<b>3,880</b>	<b>237.8</b>	<b>(229.8, 245.9)</b>	<b>178.5</b>	<b>(178.4, 178.6)</b>	<b>1.3</b>
Lung and Bronchus	1,058	66.3	(62.2, 70.8)	49.3	(49.3, 49.4)	1.3
Colon and Rectum	550	35.9	(32.7, 39.3)	16.8	(16.8, 16.9)	2.1
Breast (women)	236	24.6	(21.4, 28.2)	23.3	(23.2, 23.3)	1.1
Prostate (men)	90	18.4	(14.5, 23.1)	23.0	(23.0, 23.1)	0.8
Stomach	260	14.0	(12.3, 16.0)	3.3	(3.3, 3.4)	4.2
Pancreas	223	13.2	(11.4, 15.2)	10.6	(10.6, 10.7)	1.2
Kidney and Renal Pelvis	113	7.3	(6.0, 8.9)	4.1	(4.1, 4.1)	1.8
Esophagus	115	6.8	(5.6, 8.4)	4.2	(4.2, 4.2)	1.6
Ovary (women)	60	6.1	(4.6, 7.9)	8.3	(8.3, 8.4)	0.7
Liver	103	6.0	(4.8, 7.4)	3.9	(3.9, 3.9)	1.5
Non-Hodgkin Lymphoma	69	4.4	(3.3, 5.7)	7.1	(7.1, 7.1)	0.6
Urinary Bladder	47	3.5	(2.5, 4.8)	4.6	(4.5, 4.6)	0.8
Nasopharynx	57	3.4	(2.5, 4.6)	0.2	(0.2, 0.2)	17.0
Cervix Uteri (women)	35	3.3	(2.2, 4.7)	2.3	(2.3, 2.3)	1.4
Myeloma	44	2.5	(1.8, 3.5)	3.3	(3.2, 3.3)	0.8
Intrahepatic Bile Duct	38	2.4	(1.6, 3.4)	1.3	(1.3, 1.3)	1.8
Brain and Other Nervous System	46	2.1	(1.5, 2.9)	4.8	(4.8, 4.8)	0.4
Acute Myeloid Leukemia	40	1.8	(1.2, 2.6)	2.8	(2.8, 2.8)	0.6
Uterus, NOS (women)	13	1.5	(0.8, 2.6)	2.1	(2.1, 2.1)	0.7
Gallbladder	21	1.4	(0.8, 2.2)	0.6	(0.6, 0.6)	2.3
Other Digestive Organs	19	1.3	(0.7, 2.1)	0.3	(0.3, 0.3)	4.3
Other Oral Cavity and Pharynx	20	1.2	(0.7, 2.0)	0.5	(0.5, 0.5)	2.4
Larynx	16	1.0	(0.6, 1.8)	1.1	(1.1, 1.1)	0.9
Soft Tissue including Heart	18	0.9	(0.5, 1.5)	1.3	(1.3, 1.3)	0.7
Aleukemic, subleukemic and NOS	16	0.9	(0.5, 1.6)	1.0	(1.0, 1.0)	0.9
Gum and Other Mouth	11	0.7	(0.3, 1.3)	0.4	(0.4, 0.4)	1.8
Melanoma of the Skin	12	0.7	(0.3, 1.3)	3.0	(3.0, 3.0)	0.2
Other Biliary	10	0.6	(0.3, 1.3)	0.5	(0.5, 0.5)	1.2
Non-Melanoma Skin	10	0.6	(0.3, 1.2)	1.0	(1.0, 1.0)	0.6
Acute Lymphocytic Leukemia	14	0.5	(0.3, 1.0)	0.5	(0.5, 0.5)	1.0

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

Causes with a count less than or equal to 10 have been excluded from this table.

5.2 Men Only

5.2.1 Five-year Cancer Mortality

Table 5.3: Average annual age-adjusted cancer mortality rate by cause of death, men, 2014–2018.

	Alaska Native People			US White People		RR
	Count	Rate	95% CI	Rate	95% CI	
<b>All malignant cancers</b>	<b>469</b>	<b>243.4</b>	<b>(219.5, 269.7)</b>	<b>185.9</b>	<b>(185.6, 186.2)</b>	<b>1.3</b>
Lung and Bronchus	115	58.4	(47.4, 71.9)	47.1	(46.9, 47.2)	1.2
Colon and Rectum	70	38.1	(28.8, 50.1)	15.9	(15.8, 16.0)	2.4
Stomach	39	17.8	(12.2, 25.8)	3.5	(3.4, 3.5)	5.1
Prostate (men)	20	16.4	(9.7, 26.2)	0.2	(0.2, 0.2)	82.0
Pancreas	28	13.2	(8.4, 20.7)	12.8	(12.7, 12.8)	1.0
Esophagus	23	10.5	(6.2, 17.5)	7.4	(7.3, 7.4)	1.4
Kidney and Renal Pelvis	15	7.0	(3.7, 13.2)	0.4	(0.4, 0.4)	17.5
Urinary Bladder	10	6.0	(2.5, 12.5)	0.3	(0.3, 0.3)	20.0
Liver	14	5.7	(3.0, 11.1)	7.1	(7.0, 7.2)	0.8

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

Causes with a count less than or equal to 10 have been excluded from this table.

5.2.2 *Twenty-five-year Cancer Mortality*

Table 5.4: Average annual age-adjusted cancer mortality rate by cause of death, men, 1994–2018.

	Alaska Native People			US White People		RR
	Count	Rate	95% CI	Rate	95% CI	
<b>All malignant cancers</b>	<b>2,026</b>	<b>279.3</b>	<b>(265.9, 293.4)</b>	<b>217.5</b>	<b>(217.3, 217.6)</b>	<b>1.3</b>
Lung and Bronchus	611	84.5	( 77.4, 92.4)	63.5	( 63.4, 63.6)	1.3
Colon and Rectum	269	38.8	( 33.8, 44.5)	20.1	( 20.1, 20.2)	1.9
Stomach	161	18.9	( 15.8, 22.6)	4.6	( 4.6, 4.6)	4.1
Prostate (men)	90	18.4	( 14.5, 23.1)	23.0	( 23.0, 23.1)	0.8
Pancreas	119	15.5	( 12.6, 19.1)	12.4	( 12.3, 12.4)	1.2
Esophagus	79	10.3	( 7.9, 13.4)	7.5	( 7.5, 7.6)	1.4
Kidney and Renal Pelvis	70	10.2	( 7.7, 13.3)	5.9	( 5.9, 5.9)	1.7
Liver	64	8.1	( 6.0, 10.9)	6.1	( 6.1, 6.1)	1.3
Urinary Bladder	31	5.4	( 3.5, 8.1)	8.0	( 8.0, 8.0)	0.7
Nasopharynx	38	5.1	( 3.5, 7.4)	0.2	( 0.2, 0.2)	25.5
Non-Hodgkin Lymphoma	38	5.1	( 3.4, 7.5)	9.0	( 9.0, 9.0)	0.6
Myeloma	18	2.7	( 1.5, 4.8)	4.2	( 4.1, 4.2)	0.6
Brain and Other Nervous System	26	2.6	( 1.6, 4.4)	5.8	( 5.8, 5.9)	0.4
Acute Myeloid Leukemia	26	2.5	( 1.5, 4.2)	3.6	( 3.6, 3.7)	0.7
Intrahepatic Bile Duct	16	2.4	( 1.3, 4.3)	1.5	( 1.5, 1.5)	1.6
Larynx	16	2.3	( 1.2, 4.3)	2.0	( 2.0, 2.0)	1.1
Other Oral Cavity and Pharynx	16	2.0	( 1.1, 3.7)	0.8	( 0.8, 0.8)	2.5

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

Causes with a count less than or equal to 10 have been excluded from this table.

5.3 Women Only

5.3.1 Five-year Cancer Mortality

Table 5.5: Average annual age-adjusted cancer mortality rate by cause of death, women, 2014–2018.

	Alaska Native People			US White People		RR
	Count	Rate	95% CI	Rate	95% CI	
<b>All malignant cancers</b>	<b>444</b>	<b>187.9</b>	<b>(170.1, 207.3)</b>	<b>134.3</b>	<b>(134.0, 134.5)</b>	<b>1.4</b>
Lung and Bronchus	103	44.2	(35.8, 54.2)	33.3	(33.2, 33.4)	1.3
Colon and Rectum	79	36.6	(28.7, 46.1)	11.3	(11.2, 11.4)	3.2
Breast (women)	56	23.5	(17.5, 31.1)	19.6	(19.5, 19.7)	1.2
Pancreas	24	10.2	(6.3, 15.6)	9.5	(9.4, 9.5)	1.1
Stomach	18	6.6	(3.9, 10.9)	1.9	(1.9, 1.9)	3.5
Liver	12	5.0	(2.4, 9.2)	2.3	(2.3, 2.3)	2.2
Ovary (women)	11	4.0	(2.0, 7.8)	6.9	(6.9, 7.0)	0.6
Esophagus	10	3.5	(1.6, 7.0)	1.4	(1.4, 1.5)	2.5

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

Causes with a count less than or equal to 10 have been excluded from this table.

5.3.2 *Twenty-five-year Cancer Mortality*

Table 5.6: Average annual age-adjusted cancer mortality rate by cause of death, women, 1994–2018.

	Alaska Native People			US White People		RR
	Count	Rate	95% CI	Rate	95% CI	
<b>All malignant cancers</b>	<b>1,854</b>	<b>207.1</b>	<b>(197.4, 217.2)</b>	<b>151.5</b>	<b>(151.4, 151.7)</b>	<b>1.4</b>
Lung and Bronchus	447	51.8	(46.9, 57.0)	38.7	(38.7, 38.8)	1.3
Colon and Rectum	281	33.6	(29.6, 38.0)	14.2	(14.2, 14.3)	2.4
Breast (women)	236	24.6	(21.4, 28.2)	23.3	(23.2, 23.3)	1.1
Pancreas	104	11.3	(9.2, 13.9)	9.2	(9.2, 9.3)	1.2
Stomach	99	10.0	(8.1, 12.4)	2.4	(2.4, 2.4)	4.2
Ovary (women)	60	6.1	(4.6, 7.9)	8.3	(8.3, 8.4)	0.7
Kidney and Renal Pelvis	43	5.1	(3.6, 7.0)	2.6	(2.6, 2.7)	2.0
Liver	39	4.2	(2.9, 5.9)	2.1	(2.0, 2.1)	2.0
Esophagus	36	4.1	(2.8, 5.8)	1.6	(1.5, 1.6)	2.6
Non-Hodgkin Lymphoma	31	3.7	(2.5, 5.4)	5.7	(5.7, 5.7)	0.6
Cervix Uteri (women)	35	3.3	(2.2, 4.7)	2.3	(2.3, 2.3)	1.4
Myeloma	26	2.6	(1.6, 3.9)	2.6	(2.6, 2.6)	1.0
Intrahepatic Bile Duct	22	2.4	(1.5, 3.8)	1.1	(1.1, 1.1)	2.2
Nasopharynx	19	2.1	(1.2, 3.4)	0.1	(0.1, 0.1)	21.0
Urinary Bladder	16	2.1	(1.2, 3.5)	2.2	(2.2, 2.2)	1.0
Brain and Other Nervous System	20	1.7	(1.0, 2.7)	3.9	(3.9, 3.9)	0.4
Other Digestive Organs	13	1.5	(0.8, 2.7)	0.2	(0.2, 0.2)	7.5
Uterus, NOS (women)	13	1.5	(0.8, 2.6)	2.1	(2.1, 2.1)	0.7
Gallbladder	12	1.3	(0.6, 2.4)	0.8	(0.8, 0.8)	1.6
Acute Myeloid Leukemia	14	1.2	(0.6, 2.2)	2.2	(2.2, 2.2)	0.5

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

Causes with a count less than or equal to 10 have been excluded from this table.