

3

Incidence by Cancer Site

3.1 Men and Women Combined

3.1.1 Five-year Incidence

Table 3.1: Average annual age-adjusted cancer incidence rate by site, men and women, 2014–2018.

	Alaska Native People			US White People		
	Count	Rate	95% CI	Rate	95% CI	RR
All sites	2,401	497.6	(476.7, 519.2)	450.9	(449.6, 452.2)	1.1
<i>Oral Cavity and Pharynx</i>						
Lip	-	-	-	0.8	(0.7, 0.9)	-
Tongue	13	2.3	(1.2, 4.1)	4.2	(4.1, 4.3)	0.6
Salivary Gland	7	1.4	(0.5, 2.9)	1.3	(1.2, 1.3)	1.1
Floor of Mouth	7	1.2	(0.5, 2.6)	0.5	(0.4, 0.5)	2.5
Gum and Other Mouth	-	-	-	1.7	(1.6, 1.8)	-
Nasopharynx	28	4.9	(3.2, 7.2)	0.3	(0.3, 0.4)	15.2
Tonsil	11	1.9	(0.9, 3.5)	2.3	(2.2, 2.4)	0.8
Oropharynx	5	1.0	(0.3, 2.5)	0.5	(0.4, 0.5)	2.0
Hypopharynx	5	1.1	(0.3, 2.6)	0.5	(0.5, 0.6)	2.0
Other Oral Cavity and Pharynx	-	-	-	0.3	(0.3, 0.3)	-
<i>Digestive System</i>						
Esophagus	49	9.9	(7.2, 13.4)	4.7	(4.5, 4.8)	2.1
Stomach	82	17.2	(13.5, 21.5)	5.7	(5.6, 5.8)	3.0
Small Intestine	-	-	-	2.4	(2.3, 2.5)	-
Colon and Rectum	405	87.6	(78.8, 97.1)	36.7	(36.3, 37.1)	2.4
Anus, Anal Canal and Anorectum	12	2.2	(1.1, 4.0)	2.0	(1.9, 2.1)	1.1
Liver	67	13.3	(10.2, 17.2)	6.3	(6.1, 6.4)	2.1
Intrahepatic Bile Duct	6	1.6	(0.5, 3.5)	1.4	(1.4, 1.5)	1.1
Gallbladder	12	2.0	(1.0, 3.5)	1.0	(0.9, 1.0)	2.1
Other Biliary	9	2.1	(0.9, 4.2)	1.7	(1.6, 1.8)	1.2
Pancreas	84	18.5	(14.5, 23.2)	12.9	(12.7, 13.1)	1.4
Retroperitoneum	-	-	-	0.4	(0.4, 0.5)	-
Peritoneum, Omentum and Mesentery	-	-	-	0.5	(0.5, 0.6)	-
Other Digestive Organs	14	3.8	(2.1, 6.5)	0.8	(0.8, 0.9)	4.6

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Table 3.1: (continued)

	Alaska Native People			US White People		
	Count	Rate	95% CI	Rate	95% CI	RR
<i>Respiratory System</i>						
Nose, Nasal Cavity and Middle Ear	-	-	-	0.7	(0.6, 0.7)	-
Larynx	23	5.4	(3.3, 8.2)	2.7	(2.6, 2.8)	2.0
Lung and Bronchus	373	83.0	(74.3, 92.4)	52.3	(51.9, 52.8)	1.6
Pleura	-	-	-	0.0	(0.0, 0.0)	-
Trachea, Mediastinum and Other Respiratory Organs	-	-	-	0.2	(0.1, 0.2)	-
<i>Bones and Joints</i>						
Bones and Joints	9	1.5	(0.7, 3.0)	1.0	(1.0, 1.1)	1.5
<i>Soft Tissue including Heart</i>						
Soft Tissue including Heart	17	2.8	(1.6, 4.5)	3.4	(3.3, 3.6)	0.8
<i>Skin excluding Basal and Squamous</i>						
Melanoma of the Skin	27	5.1	(3.3, 7.6)	32.1	(31.7, 32.4)	0.2
Other Non-Epithelial Skin	-	-	-	2.5	(2.4, 2.6)	-
<i>Breast</i>						
Breast (women)	340	130.8	(116.7, 146.0)	134.4	(133.4, 135.5)	1.0
<i>Female Genital System</i>						
Cervix Uteri (women)	32	12.4	(8.4, 17.8)	6.7	(6.4, 6.9)	1.9
Corpus Uteri (women)	40	13.7	(9.7, 18.8)	27.7	(27.3, 28.2)	0.5
Uterus, NOS (women)	-	-	-	0.6	(0.5, 0.6)	-
Ovary (women)	21	7.8	(4.7, 12.1)	11.4	(11.1, 11.7)	0.7
Vagina (women)	-	-	-	0.6	(0.6, 0.7)	-
Vulva (women)	-	-	-	2.9	(2.8, 3.1)	-
Other Female Genital Organs	10	3.5	(1.6, 6.5)	2.1	(2.0, 2.3)	1.6
<i>Male Genital System</i>						
Prostate (men)	126	61.2	(49.9, 74.2)	104.1	(103.2, 105.0)	0.6
Testis (men)	16	4.9	(2.7, 8.1)	7.4	(7.2, 7.7)	0.7
Penis (men)	6	3.8	(1.2, 9.2)	0.9	(0.8, 1.0)	4.4
Other Male Genital Organs	-	-	-	0.3	(0.2, 0.3)	-
<i>Urinary System</i>						
Urinary Bladder	60	13.9	(10.4, 18.3)	21.9	(21.6, 22.2)	0.6
Kidney and Renal Pelvis	150	28.9	(24.3, 34.1)	15.9	(15.7, 16.2)	1.8
Ureter	-	-	-	0.6	(0.5, 0.6)	-
Other Urinary Organs	-	-	-	0.5	(0.4, 0.5)	-
<i>Eye and Orbit</i>						
Eye and Orbit	-	-	-	1.0	(1.0, 1.1)	-
<i>Brain and Other Nervous System</i>						
Brain	21	3.4	(2.0, 5.4)	6.7	(6.6, 6.9)	0.5
Cranial Nerves Other Nervous System	-	-	-	0.4	(0.4, 0.5)	-
<i>Endocrine System</i>						
Thyroid	80	15.0	(11.8, 18.9)	15.5	(15.3, 15.8)	1.0
Other Endocrine including Thymus	9	1.2	(0.5, 2.4)	0.7	(0.6, 0.7)	1.8
<i>Lymphoma</i>						
Hodgkin - Nodal	9	1.6	(0.7, 3.2)	2.7	(2.6, 2.8)	0.6
Hodgkin - Extranodal	-	-	-	0.1	(0.0, 0.1)	-
NHL - Nodal	42	8.3	(5.9, 11.5)	13.5	(13.3, 13.7)	0.6
NHL - Extranodal	17	3.6	(2.0, 6.0)	7.3	(7.2, 7.5)	0.5

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Table 3.1: (continued)

	Alaska Native People			US White People		
	Count	Rate	95% CI	Rate	95% CI	RR
<i>Myeloma</i>						
Myeloma	22	5.4	(3.3, 8.3)	6.4	(6.3, 6.6)	0.8
<i>Leukemia</i>						
Acute Lymphocytic Leukemia	14	1.6	(0.9, 2.7)	1.7	(1.6, 1.8)	0.9
Chronic Lymphocytic Leukemia	6	1.4	(0.5, 3.2)	5.8	(5.6, 5.9)	0.2
Other Lymphocytic Leukemia	-	-	-	0.5	(0.4, 0.5)	-
Acute Myeloid Leukemia	15	2.4	(1.3, 4.1)	4.5	(4.3, 4.6)	0.5
Chronic Myeloid Leukemia	8	1.6	(0.7, 3.1)	2.1	(2.0, 2.1)	0.8
Other Myeloid/Monocytic Leukemia	-	-	-	0.1	(0.1, 0.1)	-
Acute Monocytic Leukemia	-	-	-	0.2	(0.1, 0.2)	-
Other Acute Leukemia	-	-	-	0.2	(0.2, 0.2)	-
Aleukemic, subleukemic and NOS	-	-	-	0.2	(0.2, 0.2)	-
<i>Mesothelioma</i>						
Mesothelioma	-	-	-	1.0	(0.9, 1.1)	-
<i>Kaposi Sarcoma</i>						
Kaposi Sarcoma	-	-	-	0.4	(0.3, 0.4)	-
<i>Miscellaneous</i>						
Miscellaneous	38	9.1	(6.3, 12.7)	7.3	(7.2, 7.5)	1.2

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

See section A.2 on page 171 for information regarding statistical methods, including years of data available for US White People.

3.1.2 Fifty-year Incidence

Table 3.2: Average annual age-adjusted cancer incidence rate by site, men and women, 1969–2018.

	Alaska Native People		
	Count	Rate	95% CI
All sites	12,697	481.3	(472.4, 490.4)
<i>Oral Cavity and Pharynx</i>			
Lip	7	0.3	(0.1, 0.6)
Tongue	61	2.2	(1.6, 2.8)
Salivary Gland	54	1.7	(1.2, 2.2)
Floor of Mouth	37	1.2	(0.9, 1.7)
Gum and Other Mouth	47	1.7	(1.2, 2.3)
Nasopharynx	209	7.2	(6.2, 8.4)
Tonsil	30	1.0	(0.6, 1.4)
Oropharynx	16	0.5	(0.3, 0.9)
Hypopharynx	32	1.3	(0.9, 1.9)
Other Oral Cavity and Pharynx	10	0.4	(0.2, 0.8)
<i>Digestive System</i>			
Esophagus	206	8.4	(7.2, 9.7)
Stomach	547	20.6	(18.8, 22.6)
Small Intestine	28	1.0	(0.7, 1.5)
Colon and Rectum	2,225	91.9	(87.8, 96.0)
Anus, Anal Canal and Anorectum	46	1.7	(1.2, 2.2)
Liver	258	8.9	(7.8, 10.2)
Intrahepatic Bile Duct	22	0.9	(0.6, 1.5)
Gallbladder	106	4.7	(3.8, 5.7)
Other Biliary	74	3.2	(2.4, 4.0)
Pancreas	373	15.3	(13.7, 17.0)
Retroperitoneum	-	-	-
Peritoneum, Omentum and Mesentery	8	0.3	(0.1, 0.6)
Other Digestive Organs	54	2.4	(1.8, 3.2)
<i>Respiratory System</i>			
Nose, Nasal Cavity and Middle Ear	22	0.8	(0.5, 1.3)
Larynx	84	3.1	(2.5, 3.9)
Lung and Bronchus	2,087	87.0	(83.0, 91.0)
Pleura	-	-	-
Trachea, Mediastinum and Other Respiratory Organs	9	0.4	(0.2, 0.7)
<i>Bones and Joints</i>			
Bones and Joints	51	1.4	(1.0, 1.9)
<i>Soft Tissue including Heart</i>			
Soft Tissue including Heart	81	2.4	(1.8, 3.0)
<i>Skin excluding Basal and Squamous</i>			
Melanoma of the Skin	83	2.6	(2.0, 3.3)
Other Non-Epithelial Skin	19	0.7	(0.4, 1.1)
<i>Breast</i>			
Breast (women)	1,794	118.7	(113.1, 124.5)
<i>Female Genital System</i>			
Cervix Uteri (women)	258	14.5	(12.7, 16.5)

(continued)

Table 3.2: (continued)

	Alaska Native People		
	Count	Rate	95% CI
Corpus Uteri (women)	191	12.4	(10.7, 14.4)
Uterus, NOS (women)	8	0.4	(0.2, 0.8)
Ovary (women)	168	11.1	(9.4, 13.0)
Vagina (women)	13	1.1	(0.6, 1.9)
Vulva (women)	28	2.3	(1.5, 3.4)
Other Female Genital Organs	32	1.8	(1.2, 2.6)
<i>Male Genital System</i>			
Prostate (men)	704	65.4	(60.2, 71.0)
Testis (men)	119	5.3	(4.4, 6.4)
Penis (men)	23	2.3	(1.3, 3.6)
Other Male Genital Organs	6	0.4	(0.1, 1.1)
<i>Urinary System</i>			
Urinary Bladder	259	11.3	(9.9, 12.9)
Kidney and Renal Pelvis	599	22.2	(20.3, 24.2)
Ureter	10	0.4	(0.2, 0.8)
Other Urinary Organs	5	0.2	(0.1, 0.5)
<i>Eye and Orbit</i>			
Eye and Orbit	16	0.4	(0.2, 0.7)
<i>Brain and Other Nervous System</i>			
Brain	121	3.0	(2.4, 3.6)
Cranial Nerves Other Nervous System	12	0.3	(0.1, 0.5)
<i>Endocrine System</i>			
Thyroid	291	8.6	(7.6, 9.7)
Other Endocrine including Thymus	23	0.5	(0.3, 0.8)
<i>Lymphoma</i>			
Hodgkin - Nodal	37	0.9	(0.6, 1.3)
Hodgkin - Extranodal	-	-	-
NHL - Nodal	209	7.4	(6.4, 8.6)
NHL - Extranodal	105	4.0	(3.2, 4.9)
<i>Myeloma</i>			
Myeloma	115	4.4	(3.6, 5.4)
<i>Leukemia</i>			
Acute Lymphocytic Leukemia	82	1.3	(1.0, 1.6)
Chronic Lymphocytic Leukemia	19	0.9	(0.5, 1.4)
Other Lymphocytic Leukemia	-	-	-
Acute Myeloid Leukemia	88	2.8	(2.2, 3.5)
Chronic Myeloid Leukemia	48	1.5	(1.0, 2.0)
Other Myeloid/Monocytic Leukemia	-	-	-
Acute Monocytic Leukemia	6	0.2	(0.1, 0.5)
Other Acute Leukemia	10	0.3	(0.1, 0.6)
Aleukemic, subleukemic and NOS	8	0.3	(0.1, 0.6)

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Table 3.2: (*continued*)

	Alaska Native People		
	Count	Rate	95% CI
<i>Mesothelioma</i>			
Mesothelioma	9	0.4	(0.1, 0.7)
<i>Kaposi Sarcoma</i>			
Kaposi Sarcoma	20	0.9	(0.5, 1.4)
<i>Miscellaneous</i>			
Miscellaneous	370	16.7	(14.9, 18.6)

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

3.2 Men Only

3.2.1 Five-year Incidence

Table 3.3: Average annual age-adjusted cancer incidence rate by site, men, 2014–2018.

	Alaska Native People			U.S. White People		
	Count	Rate	95% CI	Rate	95% CI	RR
All sites	1,135	515.3	(482.8, 549.5)	482.5	(480.5, 484.4)	1.1
<i>Oral Cavity and Pharynx</i>						
Lip	-	-	-	1.2	(1.1, 1.3)	-
Tongue	9	3.5	(1.5, 6.8)	6.3	(6.1, 6.5)	0.5
Salivary Gland	-	-	-	1.6	(1.5, 1.7)	-
Floor of Mouth	-	-	-	0.7	(0.6, 0.8)	-
Gum and Other Mouth	-	-	-	2.0	(1.8, 2.1)	-
Nasopharynx	21	7.4	(4.5, 11.5)	0.5	(0.4, 0.6)	15.4
Tonsil	9	3.1	(1.4, 6.0)	3.9	(3.8, 4.1)	0.8
Oropharynx	-	-	-	0.8	(0.7, 0.9)	-
Hypopharynx	5	2.2	(0.7, 5.5)	0.9	(0.8, 1.0)	2.4
Other Oral Cavity and Pharynx	-	-	-	0.5	(0.4, 0.6)	-
<i>Digestive System</i>						
Esophagus	32	14.4	(9.4, 21.0)	8.1	(7.8, 8.3)	1.8
Stomach	51	22.7	(16.5, 30.4)	7.9	(7.6, 8.1)	2.9
Small Intestine	-	-	-	2.8	(2.6, 2.9)	-
Colon and Rectum	192	86.2	(73.4, 100.5)	41.1	(40.5, 41.7)	2.1
Anus, Anal Canal and Anorectum	6	2.6	(0.7, 6.7)	1.6	(1.5, 1.8)	1.6
Liver	36	15.4	(10.5, 21.9)	10.0	(9.7, 10.2)	1.5
Intrahepatic Bile Duct	-	-	-	1.6	(1.5, 1.7)	-
Gallbladder	-	-	-	0.7	(0.6, 0.8)	-
Other Biliary	-	-	-	2.2	(2.1, 2.4)	-
Pancreas	49	22.5	(16.1, 30.5)	14.6	(14.3, 14.9)	1.5
Retroperitoneum	-	-	-	0.4	(0.4, 0.5)	-
Peritoneum, Omentum and Mesentery	-	-	-	0.1	(0.1, 0.1)	-
Other Digestive Organs	8	5.5	(2.2, 11.1)	1.0	(0.9, 1.1)	5.5
<i>Respiratory System</i>						
Nose, Nasal Cavity and Middle Ear	-	-	-	0.8	(0.8, 0.9)	-
Larynx	20	10.8	(6.3, 17.4)	4.6	(4.4, 4.8)	2.4
Lung and Bronchus	187	93.9	(79.7, 109.8)	57.5	(56.8, 58.2)	1.6
Pleura	-	-	-	0.0	(0.0, 0.0)	-
Trachea, Mediastinum and Other Respiratory Organs	-	-	-	0.2	(0.2, 0.3)	-
<i>Bones and Joints</i>						
Bones and Joints	-	-	-	1.3	(1.2, 1.4)	-
<i>Soft Tissue including Heart</i>						
Soft Tissue including Heart	12	4.2	(2.1, 7.4)	4.2	(4.0, 4.4)	1.0
<i>Skin excluding Basal and Squamous</i>						
Melanoma of the Skin	9	4.1	(1.8, 8.1)	39.3	(38.8, 39.9)	0.1
Other Non-Epithelial Skin	-	-	-	3.7	(3.5, 3.8)	-
<i>Breast</i>						
Breast	-	-	-	1.2	(1.1, 1.3)	-

(continued)

Table 3.3: (continued)

	Alaska Native People			U.S. White People		
	Count	Rate	95% CI	Rate	95% CI	RR
<i>Male Genital System</i>						
Prostate	126	61.1	(49.9, 74.2)	104.1	(103.2, 105.0)	0.6
Testis	16	4.9	(2.7, 8.1)	7.4	(7.2, 7.7)	0.7
Penis	6	3.8	(1.2, 9.2)	0.9	(0.8, 1.0)	4.4
Other Male Genital Organs	-	-	-	0.3	(0.2, 0.3)	-
<i>Urinary System</i>						
Urinary Bladder	47	24.2	(17.1, 33.5)	37.9	(37.4, 38.5)	0.6
Kidney and Renal Pelvis	94	39.3	(31.2, 48.8)	21.8	(21.4, 22.2)	1.8
Ureter	-	-	-	0.8	(0.7, 0.9)	-
Other Urinary Organs	-	-	-	0.8	(0.7, 0.8)	-
<i>Eye and Orbit</i>						
Eye and Orbit	-	-	-	1.1	(1.0, 1.2)	-
<i>Brain and Other Nervous System</i>						
Brain	15	5.0	(2.4, 9.3)	8.0	(7.8, 8.3)	0.6
Cranial Nerves Other Nervous System	-	-	-	0.5	(0.4, 0.5)	-
<i>Endocrine System</i>						
Thyroid	20	7.6	(4.5, 11.9)	8.3	(8.0, 8.5)	0.9
Other Endocrine including Thymus	7	2.0	(0.7, 4.2)	0.8	(0.7, 0.8)	2.6
<i>Lymphoma</i>						
Hodgkin - Nodal	-	-	-	3.0	(2.9, 3.2)	-
Hodgkin - Extranodal	-	-	-	0.1	(0.0, 0.1)	-
NHL - Nodal	24	10.8	(6.5, 16.9)	16.6	(16.3, 17.0)	0.6
NHL - Extranodal	8	3.5	(1.4, 7.5)	8.8	(8.5, 9.1)	0.4
<i>Myeloma</i>						
Myeloma	11	6.4	(2.9, 12.1)	8.2	(8.0, 8.5)	0.8
<i>Leukemia</i>						
Acute Lymphocytic Leukemia	10	2.2	(1.0, 4.0)	2.0	(1.8, 2.1)	1.1
Chronic Lymphocytic Leukemia	6	3.2	(1.1, 7.4)	7.8	(7.5, 8.0)	0.4
Other Lymphocytic Leukemia	-	-	-	0.8	(0.7, 0.8)	-
Acute Myeloid Leukemia	11	3.6	(1.7, 6.7)	5.5	(5.3, 5.7)	0.7
Chronic Myeloid Leukemia	5	2.1	(0.7, 5.0)	2.6	(2.5, 2.8)	0.8
Other Myeloid/Monocytic Leukemia	-	-	-	0.2	(0.1, 0.2)	-
Acute Monocytic Leukemia	-	-	-	0.2	(0.1, 0.2)	-
Other Acute Leukemia	-	-	-	0.3	(0.2, 0.3)	-
Aleukemic, subleukemic and NOS	-	-	-	0.3	(0.2, 0.3)	-
<i>Mesothelioma</i>						
Mesothelioma	-	-	-	1.7	(1.6, 1.9)	-
<i>Kaposi Sarcoma</i>						
Kaposi Sarcoma	-	-	-	0.6	(0.6, 0.7)	-
<i>Miscellaneous</i>						
Miscellaneous	25	12.3	(7.7, 18.7)	8.0	(7.7, 8.3)	1.5

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

See section A.2 on page 171 for information regarding statistical methods, including years of data available for US White People.

3.2.2 Fifty-year Incidence

Table 3.4: Average annual age-adjusted cancer incidence rate by site, men, 1969–2018.

	Alaska Native People		
	Count	Rate	95% CI
All sites	6,015	503.4	(489.3, 517.8)
<i>Oral Cavity and Pharynx</i>			
Lip	6	0.5	(0.2, 1.2)
Tongue	34	2.4	(1.6, 3.4)
Salivary Gland	20	1.2	(0.7, 1.9)
Floor of Mouth	21	1.4	(0.9, 2.2)
Gum and Other Mouth	26	1.6	(1.1, 2.4)
Nasopharynx	145	10.5	(8.7, 12.6)
Tonsil	25	1.6	(1.0, 2.4)
Oropharynx	9	0.5	(0.2, 1.0)
Hypopharynx	26	2.3	(1.4, 3.6)
Other Oral Cavity and Pharynx	9	0.7	(0.3, 1.4)
<i>Digestive System</i>			
Esophagus	137	12.1	(10.0, 14.5)
Stomach	357	28.7	(25.5, 32.2)
Small Intestine	15	1.2	(0.6, 2.2)
Colon and Rectum	1,082	95.2	(89.0, 101.7)
Anus, Anal Canal and Anorectum	20	1.6	(0.9, 2.6)
Liver	170	12.3	(10.3, 14.6)
Intrahepatic Bile Duct	15	1.5	(0.8, 2.6)
Gallbladder	34	3.8	(2.5, 5.5)
Other Biliary	38	3.4	(2.4, 4.9)
Pancreas	194	16.7	(14.2, 19.5)
Retroperitoneum	-	-	-
Peritoneum, Omentum and Mesentery	-	-	-
Other Digestive Organs	28	2.6	(1.7, 3.9)
<i>Respiratory System</i>			
Nose, Nasal Cavity and Middle Ear	15	1.3	(0.7, 2.3)
Larynx	66	5.5	(4.1, 7.1)
Lung and Bronchus	1,220	109.3	(102.7, 116.2)
Pleura	-	-	-
Trachea, Mediastinum and Other Respiratory Organs	8	0.6	(0.3, 1.4)
<i>Bones and Joints</i>			
Bones and Joints	29	1.6	(1.0, 2.5)
<i>Soft Tissue including Heart</i>			
Soft Tissue including Heart	45	2.6	(1.8, 3.6)
<i>Skin excluding Basal and Squamous</i>			
Melanoma of the Skin	31	2.0	(1.3, 2.9)
Other Non-Epithelial Skin	12	0.9	(0.4, 1.7)
<i>Breast</i>			
Breast	-	-	-
<i>Male Genital System</i>			
Prostate	704	65.5	(60.2, 71.0)

(continued)

Table 3.4: (continued)

	Alaska Native People		
	Count	Rate	95% CI
Testis	119	5.3	(4.4, 6.4)
Penis	23	2.3	(1.3, 3.6)
Other Male Genital Organs	6	0.4	(0.1, 1.1)
<i>Urinary System</i>			
Urinary Bladder	197	18.5	(15.7, 21.6)
Kidney and Renal Pelvis	340	27.5	(24.4, 30.9)
Ureter	7	0.7	(0.3, 1.5)
Other Urinary Organs	5	0.4	(0.1, 1.0)
<i>Eye and Orbit</i>			
Eye and Orbit	7	0.4	(0.1, 1.0)
<i>Brain and Other Nervous System</i>			
Brain	64	3.4	(2.5, 4.5)
Cranial Nerves Other Nervous System	-	-	-
<i>Endocrine System</i>			
Thyroid	62	4.1	(3.1, 5.5)
Other Endocrine including Thymus	18	0.7	(0.4, 1.2)
<i>Lymphoma</i>			
Hodgkin - Nodal	17	0.8	(0.4, 1.2)
Hodgkin - Extranodal	-	-	-
NHL - Nodal	118	8.9	(7.2, 10.9)
NHL - Extranodal	54	4.3	(3.1, 5.9)
<i>Myeloma</i>			
Myeloma	58	4.9	(3.6, 6.5)
<i>Leukemia</i>			
Acute Lymphocytic Leukemia	45	1.3	(0.9, 1.7)
Chronic Lymphocytic Leukemia	14	1.4	(0.7, 2.4)
Other Lymphocytic Leukemia	-	-	-
Acute Myeloid Leukemia	56	4.0	(2.8, 5.4)
Chronic Myeloid Leukemia	30	2.0	(1.2, 2.9)
Other Myeloid/Monocytic Leukemia	-	-	-
Acute Monocytic Leukemia	-	-	-
Other Acute Leukemia	6	0.3	(0.1, 0.8)
Aleukemic, subleukemic and NOS	-	-	-
<i>Mesothelioma</i>			
Mesothelioma	8	0.8	(0.3, 1.7)
<i>Kaposi Sarcoma</i>			
Kaposi Sarcoma	17	1.6	(0.8, 2.8)
<i>Miscellaneous</i>			
Miscellaneous	183	17.0	(14.4, 19.9)

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

3.3 Women Only

3.3.1 Five-year Incidence

Table 3.5: Average annual age-adjusted cancer incidence rate by site, women, 2014–2018.

	Alaska Native People			U.S. White People		
	Count	Rate	95% CI	Rate	95% CI	RR
All sites	1,266	493.0	(465.1, 522.0)	431.7	(429.9, 433.5)	1.1
<i>Oral Cavity and Pharynx</i>						
Lip	-	-	-	0.4	(0.4, 0.5)	-
Tongue	-	-	-	2.2	(2.1, 2.4)	-
Salivary Gland	-	-	-	1.0	(1.0, 1.1)	-
Floor of Mouth	-	-	-	0.3	(0.3, 0.4)	-
Gum and Other Mouth	-	-	-	1.4	(1.3, 1.5)	-
Nasopharynx	7	2.5	(0.9, 5.3)	0.2	(0.1, 0.2)	14.5
Tonsil	-	-	-	0.7	(0.6, 0.8)	-
Oropharynx	-	-	-	0.2	(0.2, 0.2)	-
Hypopharynx	-	-	-	0.2	(0.2, 0.2)	-
Other Oral Cavity and Pharynx	-	-	-	0.1	(0.1, 0.1)	-
<i>Digestive System</i>						
Esophagus	17	6.0	(3.4, 9.9)	1.8	(1.6, 1.9)	3.4
Stomach	31	12.2	(8.2, 17.5)	3.9	(3.7, 4.1)	3.1
Small Intestine	-	-	-	2.1	(2.0, 2.2)	-
Colon and Rectum	213	87.8	(76.0, 100.9)	32.8	(32.3, 33.3)	2.7
Anus, Anal Canal and Anorectum	6	2.1	(0.8, 4.7)	2.4	(2.3, 2.5)	0.9
Liver	31	11.3	(7.5, 16.4)	2.9	(2.8, 3.0)	3.9
Intrahepatic Bile Duct	-	-	-	1.3	(1.2, 1.4)	-
Gallbladder	8	2.3	(1.0, 4.5)	1.2	(1.1, 1.3)	2.0
Other Biliary	7	3.0	(1.1, 6.3)	1.3	(1.2, 1.4)	2.2
Pancreas	35	14.9	(10.2, 21.0)	11.4	(11.1, 11.7)	1.3
Retropertitoneum	-	-	-	0.4	(0.4, 0.5)	-
Peritoneum, Omentum and Mesentery	-	-	-	0.9	(0.8, 1.0)	-
Other Digestive Organs	6	2.9	(1.0, 6.4)	0.7	(0.6, 0.8)	4.2
<i>Respiratory System</i>						
Nose, Nasal Cavity and Middle Ear	-	-	-	0.5	(0.4, 0.6)	-
Larynx	-	-	-	1.1	(1.0, 1.1)	-
Lung and Bronchus	186	75.3	(64.4, 87.5)	48.5	(48.0, 49.1)	1.6
Pleura	-	-	-	0.0	(0.0, 0.0)	-
Trachea, Mediastinum and Other Respiratory Organs	-	-	-	0.1	(0.1, 0.1)	-
<i>Bones and Joints</i>						
Bones and Joints	5	1.8	(0.6, 4.3)	0.8	(0.8, 0.9)	2.2
<i>Soft Tissue including Heart</i>						
Soft Tissue including Heart	5	1.4	(0.4, 3.2)	2.8	(2.7, 3.0)	0.5
<i>Skin excluding Basal and Squamous</i>						
Melanoma of the Skin	18	6.3	(3.7, 10.1)	26.8	(26.3, 27.2)	0.2
Other Non-Epithelial Skin	-	-	-	1.7	(1.6, 1.8)	-
<i>Breast</i>						
Breast	340	130.8	(116.7, 146.0)	134.4	(133.4, 135.4)	1.0

(continued)

Table 3.5: (continued)

	Alaska Native People			U.S. White People		
	Count	Rate	95% CI	Rate	95% CI	RR
<i>Female Genital System</i>						
Cervix Uteri	32	12.4	(8.4, 17.8)	6.7	(6.4, 6.9)	1.9
Corpus Uteri	40	13.7	(9.7, 18.8)	27.7	(27.3, 28.2)	0.5
Uterus, NOS	-	-	-	0.6	(0.5, 0.6)	-
Ovary	21	7.8	(4.8, 12.1)	11.4	(11.1, 11.7)	0.7
Vagina	-	-	-	0.6	(0.6, 0.7)	-
Vulva	-	-	-	2.9	(2.8, 3.1)	-
Other Female Genital Organs	10	3.5	(1.6, 6.5)	2.1	(2.0, 2.3)	1.6
<i>Urinary System</i>						
Urinary Bladder	13	5.9	(3.1, 10.3)	9.1	(8.8, 9.3)	0.7
Kidney and Renal Pelvis	56	20.1	(15.0, 26.3)	10.7	(10.4, 11.0)	1.9
Ureter	-	-	-	0.4	(0.3, 0.4)	-
Other Urinary Organs	-	-	-	0.2	(0.2, 0.3)	-
<i>Eye and Orbit</i>						
Eye and Orbit	-	-	-	0.9	(0.8, 1.0)	-
<i>Brain and Other Nervous System</i>						
Brain	6	2.1	(0.8, 4.7)	5.6	(5.4, 5.8)	0.4
Cranial Nerves Other Nervous System	-	-	-	0.4	(0.3, 0.4)	-
<i>Endocrine System</i>						
Thyroid	60	22.4	(16.9, 29.0)	23.0	(22.6, 23.4)	1.0
Other Endocrine including Thymus	-	-	-	0.6	(0.5, 0.7)	-
<i>Lymphoma</i>						
Hodgkin - Nodal	6	2.2	(0.8, 5.0)	2.4	(2.2, 2.5)	0.9
Hodgkin - Extranodal	-	-	-	0.0	(0.0, 0.1)	-
NHL - Nodal	18	6.6	(3.8, 10.6)	10.9	(10.6, 11.2)	0.6
NHL - Extranodal	9	3.6	(1.6, 7.1)	6.2	(6.0, 6.4)	0.6
<i>Myeloma</i>						
Myeloma	11	4.7	(2.3, 8.4)	4.9	(4.8, 5.1)	0.9
<i>Leukemia</i>						
Acute Lymphocytic Leukemia	-	-	-	1.4	(1.3, 1.6)	-
Chronic Lymphocytic Leukemia	-	-	-	4.1	(3.9, 4.2)	-
Other Lymphocytic Leukemia	-	-	-	0.2	(0.2, 0.3)	-
Acute Myeloid Leukemia	-	-	-	3.7	(3.6, 3.9)	-
Chronic Myeloid Leukemia	-	-	-	1.6	(1.5, 1.7)	-
Other Myeloid/Monocytic Leukemia	-	-	-	0.1	(0.0, 0.1)	-
Acute Monocytic Leukemia	-	-	-	0.1	(0.1, 0.2)	-
Other Acute Leukemia	-	-	-	0.1	(0.1, 0.2)	-
Aleukemic, subleukemic and NOS	-	-	-	0.2	(0.1, 0.2)	-
<i>Mesothelioma</i>						
Mesothelioma	-	-	-	0.4	(0.4, 0.5)	-
<i>Kaposi Sarcoma</i>						
Kaposi Sarcoma	-	-	-	0.1	(0.0, 0.1)	-
<i>Miscellaneous</i>						
Miscellaneous	13	5.9	(3.1, 10.4)	5.8	(5.7, 6.0)	1.0

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

See section A.2 on page 171 for information regarding statistical methods, including years of data available for US White People..

3.3.2 Fifty-year Incidence

Table 3.6: Average annual age-adjusted cancer incidence rate by site, women, 1969–2018.

	Alaska Native People		
	Count	Rate	95% CI
All sites	6,682	470.4	(458.6, 482.4)
<i>Oral Cavity and Pharynx</i>			
Lip	-	-	-
Tongue	27	1.9	(1.2, 2.8)
Salivary Gland	34	2.0	(1.4, 2.9)
Floor of Mouth	16	1.1	(0.6, 1.7)
Gum and Other Mouth	21	1.6	(1.0, 2.5)
Nasopharynx	64	4.3	(3.2, 5.5)
Tonsil	5	0.3	(0.1, 0.7)
Oropharynx	7	0.5	(0.2, 1.0)
Hypopharynx	6	0.4	(0.1, 0.9)
Other Oral Cavity and Pharynx	-	-	-
<i>Digestive System</i>			
Esophagus	69	5.2	(4.0, 6.6)
Stomach	190	13.6	(11.6, 15.7)
Small Intestine	13	0.9	(0.5, 1.5)
Colon and Rectum	1,143	89.5	(84.1, 95.1)
Anus, Anal Canal and Anorectum	26	1.8	(1.1, 2.6)
Liver	88	5.9	(4.7, 7.4)
Intrahepatic Bile Duct	7	0.5	(0.2, 1.1)
Gallbladder	72	5.6	(4.3, 7.2)
Other Biliary	36	2.9	(2.0, 4.1)
Pancreas	179	14.0	(11.9, 16.3)
Retroperitoneum	-	-	-
Peritoneum, Omentum and Mesentery	5	0.4	(0.1, 1.0)
Other Digestive Organs	26	2.2	(1.4, 3.3)
<i>Respiratory System</i>			
Nose, Nasal Cavity and Middle Ear	7	0.5	(0.2, 1.0)
Larynx	18	1.2	(0.7, 1.8)
Lung and Bronchus	867	68.1	(63.4, 73.0)
Pleura	-	-	-
Trachea, Mediastinum and Other Respiratory Organs	-	-	-
<i>Bones and Joints</i>			
Bones and Joints	22	1.2	(0.7, 1.9)
<i>Soft Tissue including Heart</i>			
Soft Tissue including Heart	36	2.1	(1.4, 3.1)
<i>Skin excluding Basal and Squamous</i>			
Melanoma of the Skin	52	3.2	(2.3, 4.2)
Other Non-Epithelial Skin	7	0.5	(0.2, 1.1)
<i>Breast</i>			
Breast	1,794	118.7	(113.1, 124.5)
<i>Female Genital System</i>			
Cervix Uteri	258	14.5	(12.7, 16.5)

(continued)

Table 3.6: (continued)

	Alaska Native People		
	Count	Rate	95% CI
Corpus Uteri	191	12.4	(10.7, 14.4)
Uterus, NOS	8	0.4	(0.2, 0.8)
Ovary	168	11.1	(9.4, 13.0)
Vagina	13	1.1	(0.6, 1.9)
Vulva	28	2.3	(1.5, 3.4)
Other Female Genital Organs	32	1.8	(1.2, 2.6)
<i>Urinary System</i>			
Urinary Bladder	62	5.3	(4.0, 6.9)
Kidney and Renal Pelvis	259	17.8	(15.6, 20.2)
Ureter	-	-	-
Other Urinary Organs	-	-	-
<i>Eye and Orbit</i>			
Eye and Orbit	9	0.4	(0.1, 0.8)
<i>Brain and Other Nervous System</i>			
Brain	57	2.6	(2.0, 3.5)
Cranial Nerves Other Nervous System	8	0.4	(0.1, 0.7)
<i>Endocrine System</i>			
Thyroid	229	12.9	(11.2, 14.8)
Other Endocrine including Thymus	5	0.2	(0.1, 0.6)
<i>Lymphoma</i>			
Hodgkin - Nodal	20	1.1	(0.6, 1.7)
Hodgkin - Extranodal	-	-	-
NHL - Nodal	91	6.2	(4.9, 7.7)
NHL - Extranodal	51	3.7	(2.7, 4.9)
<i>Myeloma</i>			
Myeloma	57	4.0	(3.0, 5.3)
<i>Leukemia</i>			
Acute Lymphocytic Leukemia	37	1.3	(0.9, 1.9)
Chronic Lymphocytic Leukemia	5	0.4	(0.1, 1.0)
Other Lymphocytic Leukemia	-	-	-
Acute Myeloid Leukemia	32	1.8	(1.2, 2.7)
Chronic Myeloid Leukemia	18	1.0	(0.6, 1.6)
Other Myeloid/Monocytic Leukemia	-	-	-
Acute Monocytic Leukemia	-	-	-
Other Acute Leukemia	-	-	-
Aleukemic, subleukemic and NOS	-	-	-
<i>Mesothelioma</i>			
Mesothelioma	-	-	-
<i>Kaposi Sarcoma</i>			
Kaposi Sarcoma	-	-	-
<i>Miscellaneous</i>			
Miscellaneous	185	15.9	(13.6, 18.6)

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