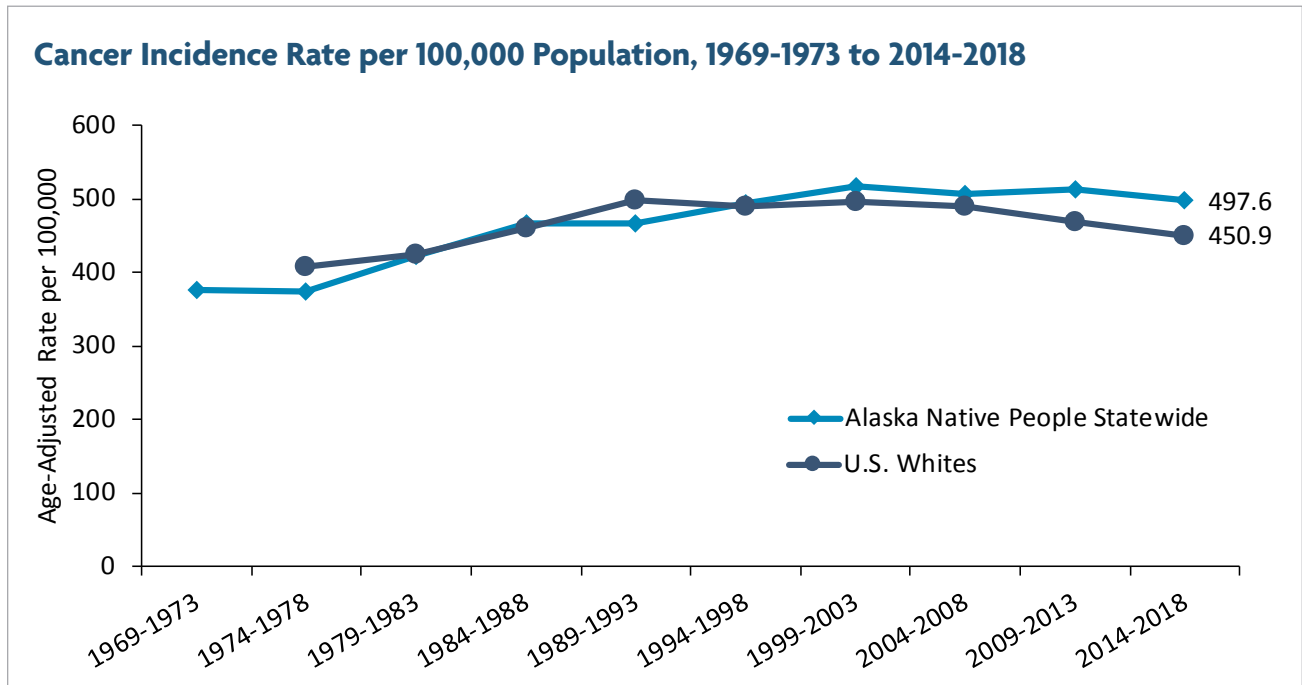


Cancer Incidence



Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry; National Cancer Institute, Surveillance Epidemiology and End Results Program (SEER)
Table C-41

Definition

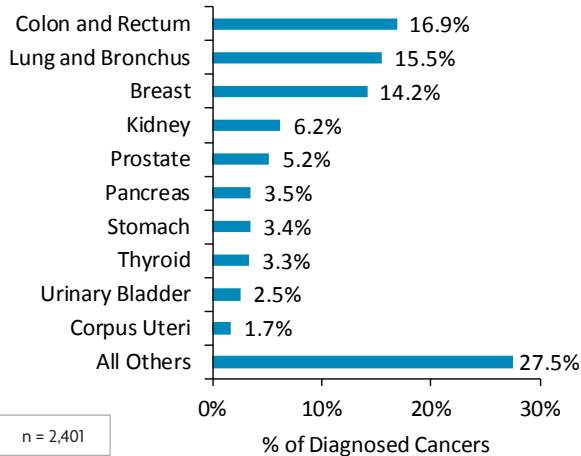
Cancer incidence is the number of new cancers diagnosed in a specified population during a specified time period. Cancer incidence rates for a specific type of cancer are based on the primary site reported or on the site of origin.

Summary

- » During 2014–2018, the cancer incidence rate among Alaska Native people statewide was 497.6 cases per 100,000 population. This was significantly higher than among U.S. Whites (450.9 per 100,000).
- » Cancer incidence rates increased significantly among Alaska Native people between 1969–1973 (376.8 per 100,000) and 2014–2018 (497.6 per 100,000). However, since 1984–1988 these rates have remained relatively stable.
- » The leading cancers diagnosed among Alaska Native people statewide during 2014–2018 were colon/rectum (16.9%), lung (15.5%), breast (14.2%), and kidney/renal pelvis (6.2%).
- » During 2014–2018, Alaska Native cancer incidence rates varied by Tribal health region, ranging from 352.9 to 590.2 per 100,000.

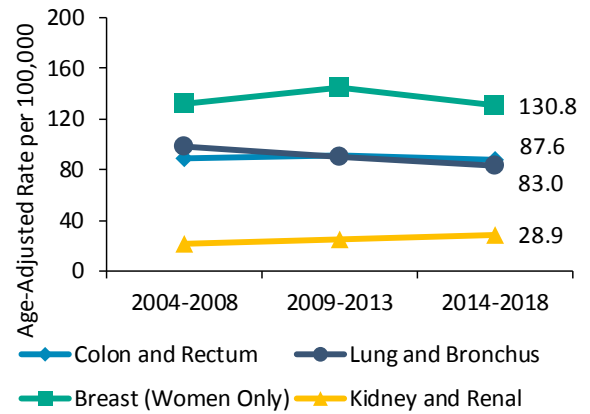
Cancer Incidence

Cancer Incidence by Cancer Site, Alaska Native People, 2014-2018



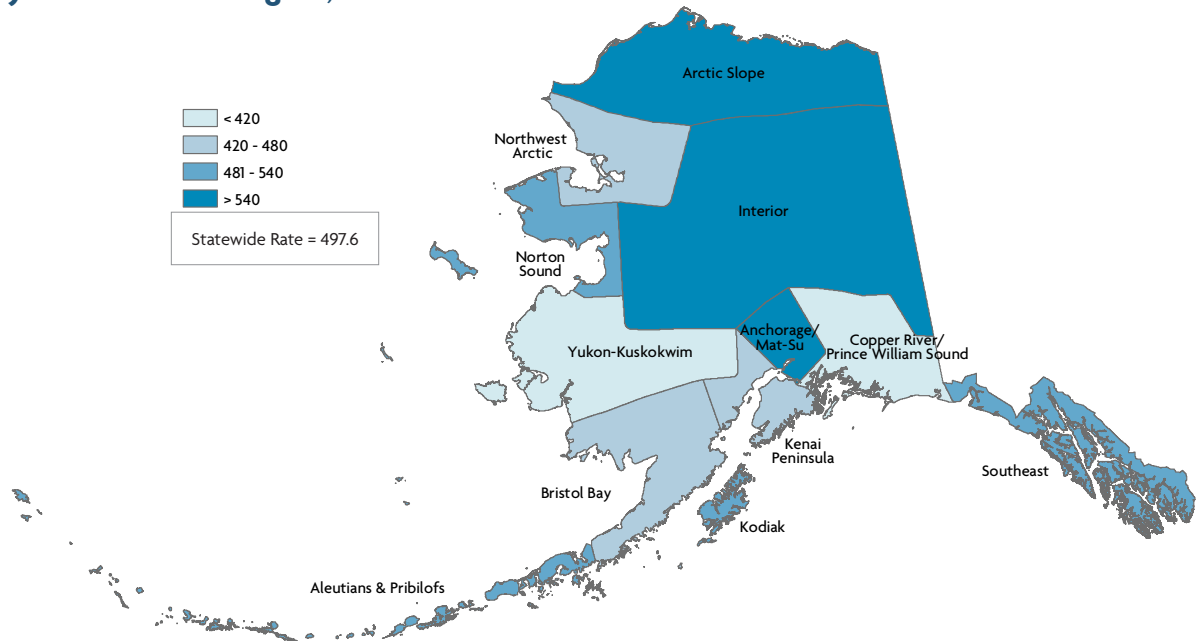
Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry
Table C-42

Trends in Cancer Incidence Rate by Cancer Site, Alaska Native People, 2004-2008 to 2014-2018



Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry
Table C-43

Age-Adjusted Alaska Native Cancer Incidence Rate per 100,000 by Tribal Health Region, 2014-2018



Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry
Table C-44

Cancer Incidence

Table C-41: Cancer Incidence Rate per 100,000 Population, 1969-1973 to 2014-2018

	Alaska Native People Statewide			U.S. Whites		
	Number	Age-Adjusted Incidence Rate per 100,000	95% Confidence Interval	Age-Adjusted Incidence Rate per 100,000	95% Confidence Interval	Rate Ratio
1969-1973	394	376.8	(335.0-422.3)	-	-	-
1974-1978	493	373.1	(337.4-411.6)	407.9	(406.3-409.6)	0.9
1979-1983	624	422.2	(385.7-461.4)	424.9	(423.4-426.3)	1.0
1984-1988	842	467.6	(433.2-504.1)	460.0	(458.6-461.4)	1.0
1989-1993	1,021	467.5	(436.8-499.8)	497.9	(496.5-499.4)	0.9
1994-1998	1,312	493.7	(465.2-523.5)	489.5	(488.1-490.9)	1.0
1999-2003	1,591	516.8	(489.9-544.8)	496.7	(495.4-498.1)	1.0
2004-2008	1,850	506.6	(482.1-531.9)	489.0	(487.7-490.3)	1.0
2009-2013	2,169	513.5	(490.6-537.3)	469.4	(468.1-470.6)	1.1
2014-2018	2,401	497.6	(476.7-519.2)	450.9	(449.6-452.2)	1.1

Table C-42: Cancer Incidence by Cancer Site, Alaska Native People Statewide, 2014-2018

Alaska Native People Statewide				
	Number	Age-Adjusted Incidence Rate per 100,000	95% Confidence Interval	% of Total
Colon and Rectum	405	87.6	(78.8-97.1)	16.9%
Lung and Bronchus	373	83.0	(74.3-92.4)	15.5%
Breast (Women Only)	340	130.8	(116.7-146.0)	14.2%
Kidney and Renal Pelvis	150	28.9	(24.3-34.1)	6.2%
Prostate (Men Only)	126	61.2	(49.9-74.2)	5.2%
Pancreas	84	18.5	(14.5-23.2)	3.5%
Stomach	82	17.2	(13.5-21.5)	3.4%
Thyroid	80	15.0	(11.8-18.9)	3.3%
Urinary Bladder	60	13.9	(10.4-18.3)	2.5%
Corpus Uteri (Women Only)	40	13.7	(9.7-18.8)	1.7%
All Others	661	-	-	27.5%
All Sites	2,401	497.6	(476.7-519.2)	100.0%

Table C-43: Trends in Cancer Incidence Rate by Cancer Site (Age-Adjusted Rate per 100,000), Alaska Native People, 2004-2008 to 2014-2018

	Colon & Rectum			Lung & Bronchus			Breast (Women Only)			Kidney & Renal Pelvis		
	Number	Rate	95% Confidence Interval	Number	Rate	95% Confidence Interval	Number	Rate	95% Confidence Interval	Number	Rate	95% Confidence Interval
2004-2008	312	89.3	(79.0-100.5)	316	97.7	(86.7-109.8)	285	131.7	(116.5-148.5)	77	21.9	(16.9-27.9)
2009-2013	371	90.9	(81.2-101.3)	336	90.3	(80.3-101.3)	342	144.2	(128.7-160.9)	112	25	(20.3-30.4)
2014-2018	405	87.6	(78.8-97.1)	373	83.0	(74.3-92.4)	340	130.8	(116.7-146.0)	150	28.9	(24.3-34.1)

Cancer Incidence

Table C-44: Age-Adjusted Alaska Native Cancer Incidence Rate per 100,000 by Tribal Health Region, 2014-2018

	Alaska Native People		
	Number	Age-Adjusted Incidence Rate per 100,000	95% Confidence Interval
Arctic Slope	112	590.2	(480.8-717.1)
Anchorage/Mat-Su	767	573.7	(529.6-620.6)
Interior	338	568.8	(506.9-636.2)
Kodiak Area	47	536.4	(389.1-721.2)
Norton Sound	141	531.9	(439.2-638.4)
Southeast	361	502.8	(450.7-559.3)
Aleutians & Pribilofs	51	493.4	(361.4-657.7)
Bristol Bay	97	436.4	(349.6-538.2)
Northwest Arctic	98	434.8	(350.9-532.8)
Kenai Peninsula	103	425.1	(336.9-529.2)
Copper River/Prince William Sound	28	401.8	(257.5-597.8)
Yukon-Kuskokwim	258	352.9	(307.4-403.3)
Statewide	2,401	497.6	(476.7-519.2)

Data Sources: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry; National Cancer Institute, Surveillance Epidemiology and End Results Program (SEER)

5 Centers for Disease Control and Prevention. (2021). Basics About Diabetes. Retrieved from www.cdc.gov/diabetes/basics/index.html