

Kodiak Region Cancer Incidence

Updated: 6/12/2015

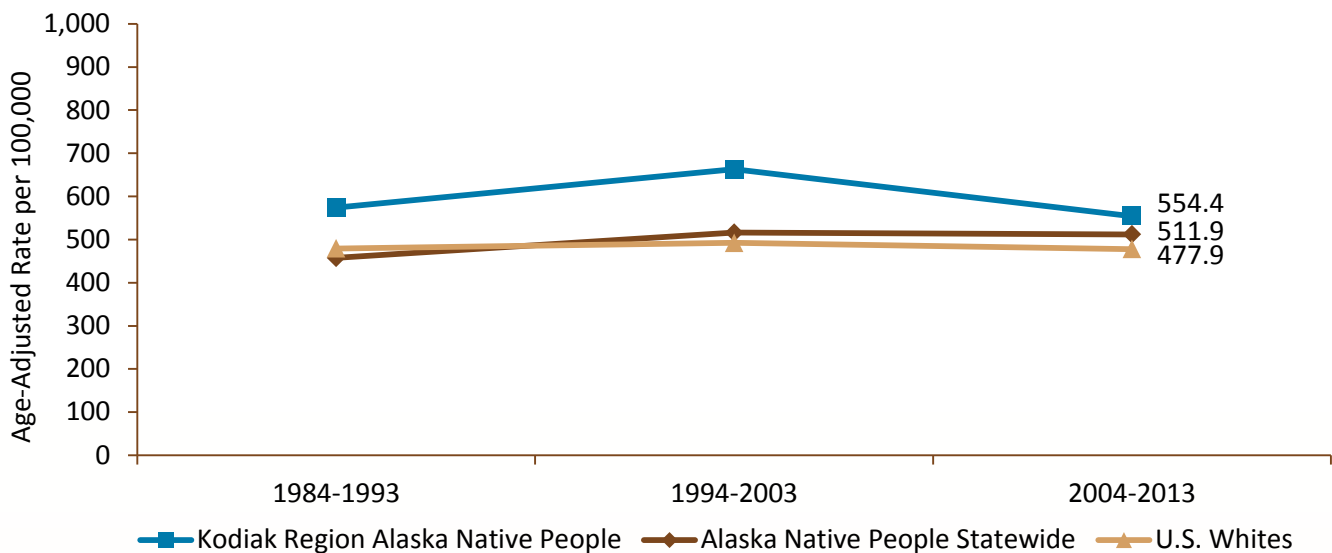
Definition: *Cancer incidence* is the number of new cancers diagnosed in a specified population during a specified time period. Cancer incidence rates are expressed as the number of cancers per 100,000 population at risk. Cancers incidence rates for a specific site/type are based on the primary site reported or site of origin.

Summary:

- During 2004-2013, the cancer incidence rate among Kodiak region Alaska Native people was 554.4 cases per 100,000 population.
- There was no significant change in cancer mortality rates (all cancer sites) between 1984-2013.
- The leading causes of cancer incidence among Kodiak region Alaska Native people are lung (20.4%), colon/rectum (15.7%), and breast (11.9%).
- Lung cancer incidence appears to have decreased, while prostate cancer incidence appears to have increased between 1984-2013. These changes were not statistically significant.
- The Alaska Native Kodiak overall cancer incidence rate (592.9) is significantly higher than the Alaska Native statewide rate (498.9) for the time period 1984-2013. However, Kodiak rates are decreasing and in the most recent 10 year period were not significantly different from the statewide rate.

Age-Adjusted Cancer Incidence Rates per 100,000 Population

Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry

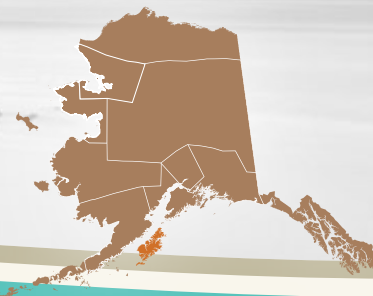


	Kodiak Region Alaska Native People		Alaska Native People Statewide		U.S. Whites	
	#	Rate	#	Rate	#	Rate
1984-1993	63	574.4	1,862	457.3	862,837	479.3
1994-2003	83	663.0	2,898	515.9	1,005,360	492.3
2004-2013 [§]	89	554.4	3,943	511.9	1,000,177	477.9

[§] U.S. White data is for 2004-2012.

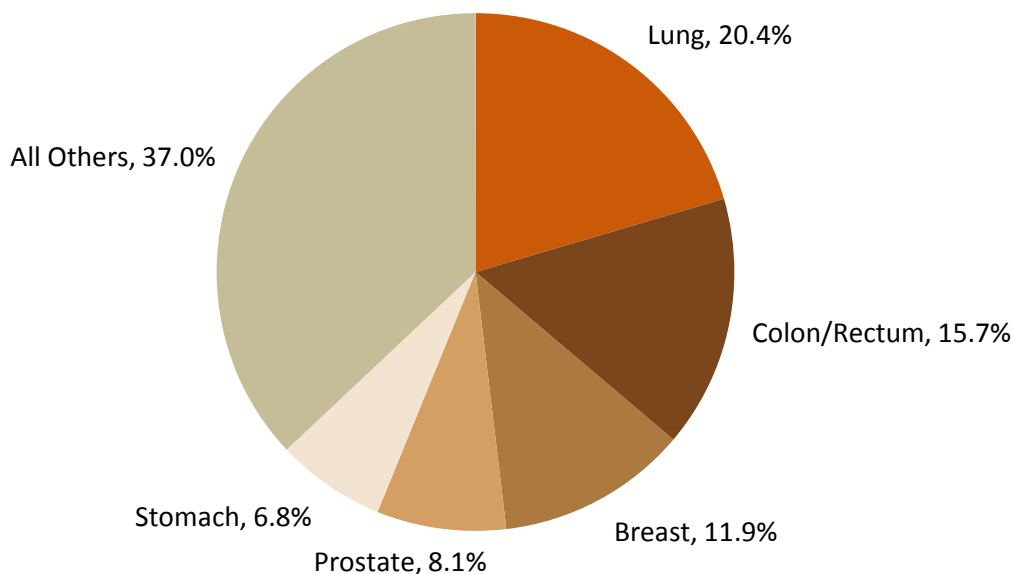


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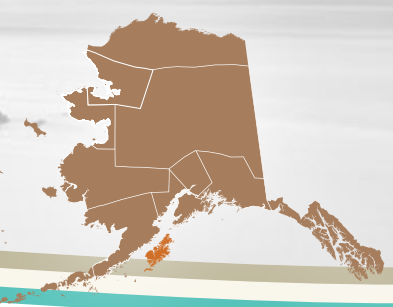
Age-Adjusted Cancer Incidence by Cancer Site, Kodiak Region Alaska Native People, 1984-2013

Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry



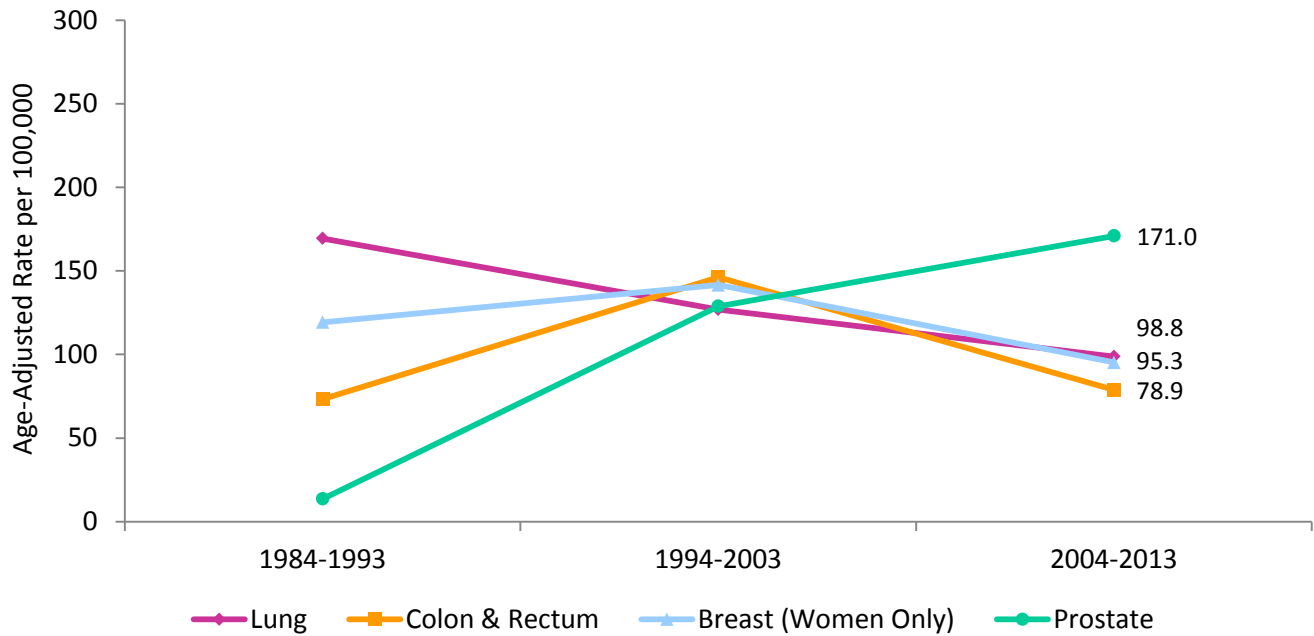
Kodiak Region Alaska Native People			
	#	Rate	% of Total
Lung	48	117.4	20.4%
Colon/Rectum	37	88.7	15.7%
Breast (Women only)	28	57.9	11.9%
Prostate	19	47.7	8.1%
Stomach	16	40.8	6.8%
Oral/Pharynx	9	17.2	3.8%
Esophagus	8	19.9	3.4%
Kidney	6	12.5	2.6%
Other	64		27.2%
Total	235	592.9	100.0%

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Age-Adjusted Cancer Incidence Trends by Cancer Site, Kodiak Region Alaska Native People, 1984-2013

Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry



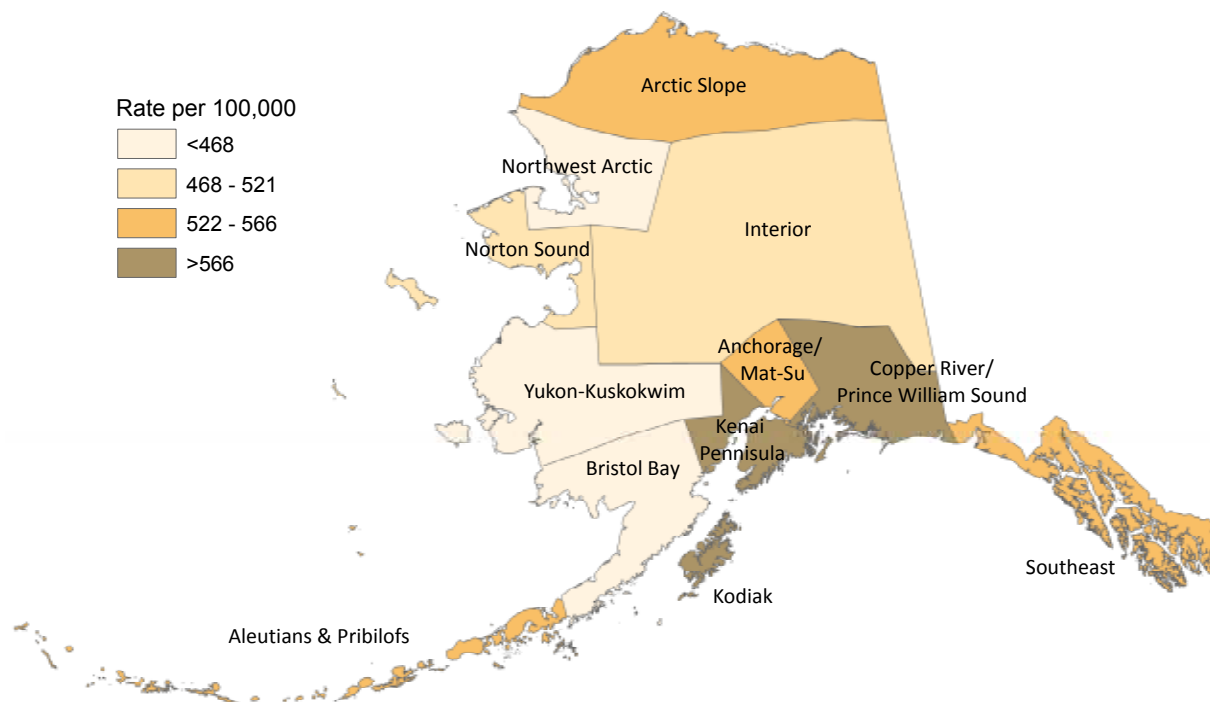
	Lung			Colon & Rectum		Breast (Women Only)			Prostate		
	#	Rate	Confidence Interval	Rate	Confidence Interval	#	Rate	Confidence Interval	#	Rate	Confidence Interval
1984-1993	17	169.4	(96.2-290.1)	73.3	(28.2-170.4)	7	119.3	(46.0-286.9)	1	13.6	(0.3-165.3)
1994-2003	16	126.9	(69.8-225.1)	146.2	(82.2-251.7)	12	141.6	(72.7-274.6)	6	128.9	(32.3-396.3)
2004-2013	15	98.8	(53.9-170.8)	78.9	(41.1-143.4)	9	95.3	(43.3-194.7)	12	171.0	(82.4-337.8)



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Age-Adjusted Cancer Incidence Rate by Tribal Health Region, Alaska Native People, 1984-2013

Data Source: Alaska Native Tribal Health Consortium, Alaska Native Tumor Registry



Alaska Native People			
	#	Rate	95% Confidence Interval
Copper River/ Prince William Sound	176	603.9*	(514.3-703.7)
Kodiak	235	592.9*	(515.4-678.0)
Kenai Peninsula	390	586.0*	(522.0-655.0)
Arctic Slope	427	544.2	(489.8-602.5)
Aleutians & Pribilofs	241	536.6	(465.6-615.1)
Anchorage/Mat-Su	2,131	526.5	(501.2-552.6)
Interior	1,160	518.3	(487.1-550.8)
Southeast	1,342	538.3	(508.5-569.3)
Norton Sound	579	472.5	(433.3-514.2)
Bristol Bay	416	443.4	(399.7-490.3)
Northwest Arctic	390	414.9*	(373.0-459.8)
Yukon-Kuskokwim	1,204	403.9*	(379.8-428.9)
Statewide	8,703	498.9	(487.7-510.3)

Note: Statewide total includes cases with unknown region.

*Rate is significantly different from the Statewide rate ($p < 0.05$).