



## Health Analytics and Vital Records

Division of Public Health

Department of Health and Social Services

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## Alaska Facts and Figures

### 2014-2018 Alaska Resident Leading Causes of Cancer Deaths

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The Alaska Facts and Figures tables were prepared by the Alaska Department of Health and Social Services, Division of Public Health, Health Analytics and Vital Records Section. These tables summarize mortality data from Alaska Vital Statistics during a 5-year period, from 2014 to 2018, on the leading causes of Alaska resident malignant neoplasm deaths, also known as cancers.

#### Additional Information

- The statistics provided in the tables reflect data from Alaska residents only. Counts and rates may differ from other reports or publications that present data for deaths that occurred in Alaska, regardless of residency.
- These tables provide counts and rates for the leading causes of deaths due to malignant neoplasms (cancer).
  - Twenty four types of cancer, based on the tenth revision of the International Statistical Classification of Diseases (ICD-10) underlying cause of death codes (between C00 and C97X), are counted and categorized before ranking the leading categories.
  - The ten *Cause of Cancer Death* categories having the highest number of deaths are listed for the tables by *Year* and for the tables by *Sex*. For the tables by *Race*, *Age Group*, and *Regional Area* ([Public Health Region](#)), only the top three cancer categories are listed.
- These tables also provide the sum of *Years of Potential Life Lost* (YPLL), YPLL rates, and the average YPLL for each of the leading causes of death. YPLL measures the impact of premature mortality, and is defined as the difference between an expected natural lifespan (assumed here as 75 years), and the actual age of death before that time. The YPLL rates are defined as the number of years of potential life lost per 100,000 population under the age of 75 years old.
- Gender-specific cancer mortality rates are calculated using the population for just one gender as the denominator. “Prostate” cancer is male specific. “Breast”, “Corpus Uteri and Uterus”, and “Ovary” cancer are female specific. Although males can be diagnosed with “Breast” cancer (a rare occurrence), they are not included in the counts.
- The counts in the cancer categories are mutually exclusive. A cancer death is counted in only one cancer category based on the underlying cause of death which is classified by the National Center for Health Statistics (NCHS) using the death certificate narrative by the physician or medical examiner.
- Any rate based on fewer than 6 events is not reported, and any rate based on fewer than 20 events is statistically unreliable and should be interpreted with caution. Due to relatively small numbers of cases, only the overall total (unstratified) rankings are for a single year are reported. The tables stratified by *Sex*, *Race*, *Age Group*, and *Regional Area* show counts totaled for five year periods from 2009-2013 through 2013-2017.
- Age-adjusted rates were adjusted by year 2000 standard population ratios. For more information see the Healthy People Statistical Notes on [Age adjustment using the 2000 projected U.S. population](#), January 2001.
- The single-race population estimates used to calculate rates in these tables are provided by the Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit.



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**Alaska Resident Leading Causes of Cancer Deaths - Top Ten by Year (2014-2018)**

Year	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
				Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2018	1	Lung and bronchus	213	28.9	31.4	71	1,305	184.3	149.4	6.1
	2	Colon and rectum	89	12.1	13.9	68	894	126.2	125.6	10
	3	Pancreas	71	9.6	9.7	68	662	93.5	79.5	9.3
	4	Breast †	58	16.2	15.9	67	633	185.0	166.0	10.9
	5	Prostate ††	48	12.7	19.9	79.5	145	39.6*	28.3*	3
	6	Liver and intrahepatic bile ducts	44	6.0	5.9	66	397	56.1	47.9	9
	7	Non-Hodgkin lymphoma	41	5.6	6.0	69	295	41.7	30.9	7.2
	8	Leukemia	36	4.9	5.7	70.5	334	47.2	44.6	9.3
	9	Brain and other nervous system	35	4.8	4.6	62	640	90.4	90.4	18.3
	10	Esophagus	34	4.6	4.8	66	334	47.2	42.7	9.8

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

1. Events per 100,000 population.
2. Events per 100,000 population, age adjusted to year 2000 standard population.
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2017	1	Lung and bronchus	203	27.5	31.3	69	1,494	210.0	179.0	7.4
	2	Colon and rectum	105	14.2	15.6	68	963	135.4	122.1	9.2
	3	Pancreas	62	8.4	9.5	68	467	65.7	51.3	7.5
	4	Breast †	60	16.8	16.1	66.5	655	190.7	169.0	10.9
	5	Liver and intrahepatic bile ducts	40	5.4	5.2	65	401	56.4	45.1	10
	6	Prostate ††	39	10.3	17.2	79	117	31.8*	23.5*	3
	7	Esophagus	35	4.7	4.6	67	327	46.0	39.4	9.3
	8	Brain and other nervous system	33	4.5	4.7	62	563	79.1	76.7	17.1
	9	Non-Hodgkin lymphoma	32	4.3	5.1	71.5	250	35.1*	30.7*	7.8
	10	Leukemia	29	3.9	4.3	68	432	60.7	55.8	14.9

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2016	1	Lung and bronchus	231	31.2	37.7	71	1,446	202.4	166.9	6.3
	2	Colon and rectum	93	12.6	14.5	67	1,012	141.7	126.1	10.9
	3	Pancreas	79	10.7	11.8	68	794	111.1	101.2	10.1
	4	Breast †	68	19.0	19.6	65	917	266.8	261.7	13.5
	5	Liver and intrahepatic bile ducts	52	7.0	7.5	65	580	81.2	71.4	11.2
	6	Esophagus	44	5.9	6.1	64.5	463	64.8	55.2	10.5
	7	Prostate ††	43	11.3	18.0	79	111	30.0*	25.3*	2.6
	8	Brain and other nervous system	39	5.3	5.4	64	607	85.0	81.9	15.6
	9	Leukemia	34	4.6	5.6	73	326	45.6	43.3	9.6
	10	Stomach	31	4.2	4.7	68	323	45.2	40.2	10.4

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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2015	1	Lung and bronchus	259	35.1	40.3	70	2,018	283.1	239.7	7.8
	2	Colon and rectum	85	11.5	14.1	66	827	116.0	106.2	9.7
	3	Pancreas	65	8.8	10.2	68	504	70.7	57.2	7.8
	4	Breast †	60	16.9	17.3	63	710	207.7	186.1	11.8
	5	Non-Hodgkin lymphoma	41	5.6	6.9	74	306	42.9	33.5	7.5
	6	Prostate ††	35	9.2	14.4	69	190	51.2*	43.8*	5.4
	7	Esophagus	34	4.6	5.7	71.5	225	31.6	25.2	6.6
		Liver and intrahepatic bile ducts	34	4.6	4.7	61.5	456	64.0	56.7	13.4
	8	Stomach	32	4.3	4.8	62.5	442	62.0	58.6	13.8
	9	Kidney and renal pelvis	27	3.7	4.2	69	212	29.7*	25.7*	7.9
10	Leukemia	26	3.5	4.8	73	280	39.3*	38.3*	10.8	

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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2014	1	Lung and bronchus	238	32.3	39.2	69	1,889	265.0	227.0	7.9
	2	Colon and rectum	88	11.9	15.1	70.5	819	114.9	103.7	9.3
	3	Breast †	73	20.6	23.0	65	830	242.6	226.5	11.4
	4	Pancreas	62	8.4	10.1	68	535	75.0	66.6	8.6
	5	Liver and intrahepatic bile ducts	58	7.9	7.9	63	701	98.3	85.6	12.1
	6	Prostate ††	53	13.9	22.5	74	274	73.9	63.6	5.2
	7	Leukemia	37	5.0	6.3	71	410	57.5	54.5	11.1
	8	Esophagus	30	4.1	5.0	68	206	28.9*	23.6*	6.9
	9	Stomach	24	3.3	3.6	54	395	55.4	55.1	16.5
			Kidney and renal pelvis	24	3.3	4.1	68.5	185	25.9*	24.6*
		Non-Hodgkin lymphoma	24	3.3	3.9	70.5	180	25.2*	23.1*	7.5
10		Multiple myeloma and immunoproliferative	23	3.1	3.6	66	203	28.5*	24.3*	8.8

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Years	Sex	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2014-2018	Female	1	Lung and bronchus	503	28.2	31.4	71	3,378	197.1	167.1	6.7
		2	Breast †	319	17.9	18.3	65	3,745	218.6	202.4	11.7
		3	Colon and rectum	220	12.3	13.7	69	2,205	128.7	119.5	10
		4	Pancreas	151	8.5	8.9	68	1,248	72.8	59.4	8.3
		5	Ovary †	95	5.3	5.5	67	899	52.5	45.1	9.5
		6	Liver and intrahepatic bile ducts	72	4.0	4.3	65.5	691	40.3	35.7	9.6
		7	Brain and other nervous system	71	4.0	4.1	63	1,050	61.3	59.5	14.8
		8	Leukemia	69	3.9	4.3	70	727	42.4	39.8	10.5
		9	Non-Hodgkin lymphoma	65	3.6	4.3	75	373	21.8	17.0	5.7
		10	Corpus uteri and uterus †	53	3.0	3.0	67	514	30.0	26.8	9.7

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2014-2018	Male	1	Lung and bronchus	641	33.7	40.6	70	4,774	258.6	215.3	7.4
		2	Colon and rectum	240	12.6	15.8	67.5	2,310	125.1	113.5	9.6
		3	Prostate ††	218	11.5	18.4	77.5	837	45.3	36.6	3.8
		4	Pancreas	188	9.9	11.5	68	1,714	92.8	81.3	9.1
		5	Liver and intrahepatic bile ducts	156	8.2	8.2	64	1,844	99.9	86.1	11.8
		6	Esophagus	138	7.2	8.5	68	1,196	64.8	55.8	8.7
		7	Non-Hodgkin lymphoma	100	5.3	6.3	69	824	44.6	37.1	8.2
		8	Leukemia	93	4.9	6.3	72	1,055	57.1	54.0	11.3
		9	Stomach	85	4.5	5.4	65	1,063	57.6	55.1	12.5
		10	Brain and other nervous system	80	4.2	4.2	60	1,528	82.8	78.6	19.1

Data Accessed: 01/16/2020

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2013-2017	Female	1	Lung and bronchus	532	29.9	33.6	70	3,925	229.0	197.9	7.4
		2	Breast †	322	18.1	18.9	64	3,884	226.6	212.8	12.1
		3	Colon and rectum	222	12.5	14.0	68	2,266	132.2	121.5	10.2
		4	Pancreas	163	9.2	10.0	67	1,487	86.8	74.0	9.1
		5	Ovary †	95	5.3	5.5	65	982	57.3	48.9	10.3
		6	Brain and other nervous system	73	4.1	4.2	62	1,177	68.7	66.6	16.1
		7	Leukemia	70	3.9	4.6	71	764	44.6	42.1	10.9
		8	Liver and intrahepatic bile ducts	68	3.8	4.0	65	672	39.2	34.2	9.9
		9	Non-Hodgkin lymphoma	59	3.3	4.0	75	326	19.0	15.0	5.5
		10	Corpus uteri and uterus †	56	3.1	3.3	67	601	35.1	31.6	10.7

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2013-2017	Male	1	Lung and bronchus	670	35.2	44.5	69	5,117	276.5	233.0	7.6
		2	Colon and rectum	248	13.0	16.4	67	2,430	131.3	117.3	9.8
		3	Prostate ††	209	11.0	17.8	76	909	49.1	40.9	4.3
		4	Pancreas	174	9.1	11.1	68	1,594	86.1	75.8	9.2
		5	Liver and intrahepatic bile ducts	168	8.8	8.9	63	2,029	109.6	94.4	12.1
		6	Esophagus	137	7.2	8.5	67	1,197	64.7	53.9	8.7
		7	Stomach	96	5.0	5.9	60	1,325	71.6	68.0	13.8
		8	Non-Hodgkin lymphoma	89	4.7	5.9	70	720	38.9	32.9	8.1
		9	Leukemia	84	4.4	5.8	71.5	966	52.2	49.5	11.5
		10	Kidney and renal pelvis	75	3.9	5.1	65	832	45.0	43.6	11.1

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2012-2016	Female	1	Lung and bronchus	559	31.5	36.6	70	4,039	236.2	206.4	7.2
		2	Breast †	320	18.0	19.2	63.5	3,998	233.8	221.0	12.5
		3	Colon and rectum	213	12.0	13.7	67	2,254	131.8	121.5	10.6
		4	Pancreas	172	9.7	10.8	68	1,536	89.8	78.5	8.9
		5	Ovary †	100	5.6	6.1	65	1,055	61.7	54.6	10.6
		6	Brain and other nervous system	67	3.8	3.9	63	1,040	60.8	58.1	15.5
		7	Leukemia	66	3.7	4.5	72.5	656	38.4	36.8	9.9
		8	Liver and intrahepatic bile ducts	60	3.4	3.6	65	594	34.7	29.8	9.9
		9	Corpus uteri and uterus †	58	3.3	3.7	67.5	615	36.0	32.7	10.6
		10	Non-Hodgkin lymphoma	56	3.2	3.9	75	259	15.1	11.7	4.6

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**Alaska Facts & Figures**

**Alaska Resident Leading Causes of Cancer Deaths - Top Ten by 5 Year Interval and Sex (2010-2018)**

Years	Sex	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2012-2016	Male	1	Lung and bronchus	699	36.7	48.5	70	5,237	282.8	244.2	7.5
		2	Colon and rectum	238	12.5	16.4	66.5	2,407	130.0	117.3	10.1
		3	Prostate ††	206	10.8	17.9	75.5	942	50.9	44.3	4.6
		4	Liver and intrahepatic bile ducts	169	8.9	9.0	63	2,123	114.6	99.8	12.6
		5	Pancreas	166	8.7	10.7	68	1,566	84.6	74.7	9.4
		6	Esophagus	128	6.7	8.0	65.5	1,186	64.0	52.8	9.3
		7	Stomach	96	5.0	5.9	60	1,385	74.8	71.5	14.4
		8	Leukemia	93	4.9	6.7	71	1,060	57.2	54.0	11.4
		9	Non-Hodgkin lymphoma	86	4.5	6.0	70.5	648	35.0	29.5	7.5
		10	Brain and other nervous system	73	3.8	4.2	60	1,211	65.4	62.4	16.6

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

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					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2011-2015	Female	1	Lung and bronchus	575	32.6	38.9	70	4,262	250.5	225.5	7.4
		2	Breast †	309	17.5	19.2	64	3,669	215.6	202.2	11.9
		3	Colon and rectum	197	11.2	13.2	68	2,002	117.7	109.0	10.2
		4	Pancreas	161	9.1	10.7	68	1,428	83.9	76.2	8.9
		5	Ovary †	104	5.9	6.4	64	1,227	72.1	63.6	11.8
		6	Leukemia	61	3.5	4.5	75	581	34.1	33.3	9.5
		7	Brain and other nervous system	58	3.3	3.3	62	1,020	59.9	58.0	17.6
		8	Corpus uteri and uterus †	57	3.2	3.5	66	621	36.5	32.1	10.9
			Liver and intrahepatic bile ducts	57	3.2	3.4	65	563	33.1	28.9	9.9
		9	Non-Hodgkin lymphoma	54	3.1	3.9	74.5	296	17.4	14.7	5.5
		10	Kidney and renal pelvis	44	2.5	2.9	72	283	16.6	14.3	6.4

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2011-2015	Male	1	Lung and bronchus	718	37.8	50.7	69	5,767	312.1	271.4	8
		2	Colon and rectum	235	12.4	16.8	67	2,389	129.3	117.7	10.2
		3	Prostate ††	202	10.6	18.3	75	1,000	54.1	48.7	5
		4	Liver and intrahepatic bile ducts	164	8.6	9.0	62	2,032	110.0	93.0	12.4
		5	Pancreas	156	8.2	10.6	67	1,412	76.4	66.2	9.1
		6	Esophagus	128	6.7	8.7	67	1,081	58.5	47.9	8.4
		7	Non-Hodgkin lymphoma	96	5.1	7.0	70	786	42.5	38.0	8.2
		8	Leukemia	92	4.8	6.9	70	1,115	60.3	57.7	12.1
		9	Stomach	91	4.8	5.6	59	1,377	74.5	70.9	15.1
		10	Brain and other nervous system	82	4.3	5.0	60	1,367	74.0	72.2	16.7

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Sex	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2010-2014	Female	1	Lung and bronchus	574	32.8	40.9	69	4,389	259.8	238.6	7.6
		2	Breast †	308	17.6	20.0	65	3,537	209.4	195.5	11.5
		3	Colon and rectum	190	10.9	13.1	66	2,122	125.6	120.6	11.2
		4	Pancreas	145	8.3	9.9	68	1,326	78.5	72.0	9.1
		5	Ovary †	96	5.5	6.2	62.5	1,235	73.1	67.7	12.9
		6	Corpus uteri and uterus †	59	3.4	3.9	67	600	35.5	30.4	10.2
		7	Leukemia	55	3.1	4.2	74	505	29.9	29.6	9.2
			Liver and intrahepatic bile ducts	55	3.1	3.5	66	502	29.7	26.4	9.1
			Brain and other nervous system	55	3.1	3.2	62	1,030	61.0	60.2	18.7
		8	Non-Hodgkin lymphoma	46	2.6	3.6	76	240	14.2	12.8	5.2
9	Stomach	43	2.5	2.9	66	523	31.0	29.9	12.2		
10	Kidney and renal pelvis	40	2.3	2.8	69.5	296	17.5	15.8	7.4		

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Sex	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2010-2014	Male	1	Lung and bronchus	698	37.0	52.6	69	5,517	300.2	268.2	7.9
		2	Colon and rectum	240	12.7	17.6	67	2,337	127.2	114.0	9.7
		3	Prostate ††	210	11.1	20.0	75	987	53.7	49.5	4.7
		4	Liver and intrahepatic bile ducts	160	8.5	8.9	62	2,005	109.1	92.5	12.5
		5	Pancreas	158	8.4	11.5	68	1,441	78.4	69.4	9.1
		6	Esophagus	112	5.9	7.9	67	963	52.4	45.0	8.6
		7	Leukemia	110	5.8	8.9	71	1,294	70.4	67.3	11.8
		8	Non-Hodgkin lymphoma	87	4.6	6.8	70	769	41.8	41.4	8.8
		9	Brain and other nervous system	86	4.6	5.6	61.5	1,349	73.4	70.8	15.7
		10	Kidney and renal pelvis	83	4.4	6.3	67	764	41.6	38.0	9.2

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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**Alaska Facts & Figures**

**Alaska Resident Leading Causes of Cancer Deaths - Top Three by 5 Year Interval and Race (2010-2018)**

Years	Race	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2014-2018	White	1	Lung and bronchus	845	32.9	34.4	70	5,947	241.1	182.2	7
		2	Colon and rectum	282	11.0	11.6	68	2,658	107.7	92.0	9.4
		3	Pancreas	261	10.2	10.2	68	2,192	88.9	68.4	8.4
	AI/AN	1	Lung and bronchus	219	34.4	51.4	70	1,557	251.4	284.8	7.1
		2	Colon and rectum	150	23.6	38.1	70	1,433	231.4	263.9	9.6
		3	Stomach	59	9.3	12.4	61	886	143.1	169.9	15
	Asian/PI/Black	1	Lung and bronchus	72	14.8	23.8	69	580	122.6	136.5	8.1
		2	Breast †	28	11.6	13.7	62	375	159.7	172.5	13.4
		3	Pancreas	26	5.4	7.8	68	314	66.4	73.2	12.1
			Liver and intrahepatic bile ducts	26	5.4	7.4	66.5	287	60.6	67.2	11

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Race	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2013-2017	White	1	Lung and bronchus	883	34.3	36.7	70	6,511	262.2	200.8	7.4
		2	Colon and rectum	279	10.8	11.6	68	2,594	104.5	87.2	9.3
		3	Pancreas	263	10.2	10.5	67	2,406	96.9	76.5	9.1
	AI/AN	1	Lung and bronchus	231	36.5	56.5	69	1,809	293.4	339.9	7.8
		2	Colon and rectum	158	24.9	40.0	68.5	1,594	258.5	293.6	10.1
		3	Stomach	73	11.5	15.9	60	1,044	169.3	195.0	14.3
	Asian/PI/Black	1	Lung and bronchus	80	16.8	26.9	68.5	663	142.6	159.5	8.3
		2	Breast †	29	12.2	14.7	60	445	193.3	212.9	15.3
		3	Colon and rectum	29	6.1	7.6	62	432	92.9	95.2	14.9
		3	Liver and intrahepatic bile ducts	28	5.9	7.4	62.5	371	79.8	87.2	13.3

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Race	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2012-2016	White	1	Lung and bronchus	929	35.9	40.1	70	6,707	268.9	208.9	7.2
		2	Colon and rectum	270	10.4	11.7	68.5	2,535	101.6	85.6	9.4
		3	Pancreas	267	10.3	11.0	68	2,438	97.8	78.5	9.1
	AI/AN	1	Lung and bronchus	240	38.1	61.1	70	1,832	299.0	354.2	7.6
		2	Colon and rectum	142	22.6	36.2	67	1,548	252.6	287.3	10.9
		3	Stomach	75	11.9	16.4	60	1,128	184.1	216.1	15
	Asian/PI/Black	1	Lung and bronchus	81	17.4	29.1	68	669	146.9	169.6	8.3
		2	Colon and rectum	36	7.7	10.4	62	504	110.7	116.1	14
		3	Liver and intrahepatic bile ducts	28	6.0	7.4	62	382	83.9	91.8	13.6

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Race	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2011-2015	White	1	Lung and bronchus	958	37.1	42.0	69	7,454	298.6	237.0	7.8
		2	Pancreas	261	10.1	11.3	68	2,291	91.8	74.8	8.8
		3	Colon and rectum	253	9.8	11.3	68	2,438	97.7	83.4	9.6
	AI/AN	1	Lung and bronchus	238	38.1	62.5	70	1,789	294.3	354.1	7.5
		2	Colon and rectum	142	22.8	36.8	69.5	1,405	231.2	267.4	9.9
		3	Stomach	70	11.2	15.8	59	1,050	172.8	204.1	15
	Asian/PI/Black	1	Lung and bronchus	89	19.6	34.9	69	718	161.4	188.0	8.1
		2	Colon and rectum	35	7.7	10.3	62	490	110.2	116.2	14
		3	Liver and intrahepatic bile ducts	29	6.4	7.8	61	426	95.8	104.3	14.7

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Race	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2010-2014	White	1	Lung and bronchus	935	36.3	43.4	69	7,304	293.1	240.0	7.8
		2	Colon and rectum	254	9.9	11.8	68	2,482	99.6	86.5	9.8
		3	Pancreas	242	9.4	11.0	68	2,150	86.3	71.5	8.9
	AI/AN	1	Lung and bronchus	244	39.5	66.1	70.5	1,890	314.2	381.1	7.7
		2	Colon and rectum	137	22.2	35.2	66	1,457	242.2	282.4	10.6
		3	Stomach	65	10.5	14.9	58	1,017	169.1	197.4	15.6
	Asian/PI/Black	1	Lung and bronchus	83	18.7	35.4	69	608	140.2	166.9	7.3
		2	Colon and rectum	35	7.9	11.4	62	479	110.4	118.1	13.7
		3	Liver and intrahepatic bile ducts	30	6.8	8.6	61.5	407	93.8	102.5	13.6

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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## Alaska Facts & Figures

### Alaska Resident Leading Causes of Cancer Deaths - Top Three by 5 Year Interval and Age Group (2010-2018)

Years	Age Group	Rank	Cause of Cancer Death	Mortality	
				Deaths	Age Specific Rate <sup>1</sup>
2014-2018	00-54	1	Colon and rectum	81	2.9
		2	Lung and bronchus	77	2.8
		3	Breast †	71	5.3
	55-64	1	Lung and bronchus	261	52.7
		2	Colon and rectum	114	23.0
		3	Pancreas	97	19.6
	65-74	1	Lung and bronchus	403	150.7
		2	Pancreas	103	38.5
		3	Colon and rectum	102	38.1
	75-84	1	Lung and bronchus	304	315.4
		2	Colon and rectum	109	113.1
		3	Pancreas	74	76.8
	85+	1	Lung and bronchus	99	317.2
		2	Prostate ††	59	504.7
		3	Colon and rectum	54	173.0

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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**Alaska Facts & Figures**

**Alaska Resident Leading Causes of Cancer Deaths - Top Three by 5 Year Interval and Age Group (2010-2018)**

Years	Age Group	Rank	Cause of Cancer Death	Mortality	
				Deaths	Age Specific Rate <sup>1</sup>
2013-2017	00-54	1	Lung and bronchus	91	3.2
		2	Colon and rectum	82	2.9
		3	Breast †	77	5.7
	55-64	1	Lung and bronchus	292	59.2
		2	Colon and rectum	125	25.4
		3	Pancreas	94	19.1
	65-74	1	Lung and bronchus	409	161.6
		2	Colon and rectum	107	42.3
		3	Pancreas	100	39.5
	75-84	1	Lung and bronchus	301	326.8
		2	Colon and rectum	100	108.6
		3	Pancreas	73	79.3
85+	1	Lung and bronchus	109	360.1	
	2	Colon and rectum	56	185.0	
	3	Prostate ††	52	461.7	

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

1. Events per 100,000 population.
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## Alaska Facts & Figures

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Years	Age Group	Rank	Cause of Cancer Death	Mortality	
				Deaths	Age Specific Rate <sup>1</sup>
2012-2016	00-54	1	Lung and bronchus	93	3.3
		2	Colon and rectum	86	3.0
		3	Breast †	83	6.1
	55-64	1	Lung and bronchus	300	61.5
		2	Colon and rectum	121	24.8
		3	Pancreas	90	18.5
	65-74	1	Lung and bronchus	431	180.6
		2	Pancreas	107	44.8
		3	Colon and rectum	93	39.0
	75-84	1	Lung and bronchus	326	369.0
		2	Colon and rectum	93	105.3
		3	Pancreas	69	78.1
85+	1	Lung and bronchus	108	368.3	
	2	Colon and rectum	58	197.8	
	3	Prostate ††	44	408.2	

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Age Group	Rank	Cause of Cancer Death	Mortality	
				Deaths	Age Specific Rate <sup>1</sup>
2011-2015	00-54	1	Lung and bronchus	107	3.8
		2	Colon and rectum	82	2.9
		3	Breast †	72	5.3
	55-64	1	Lung and bronchus	326	68.1
		2	Colon and rectum	113	23.6
		3	Liver and intrahepatic bile ducts	92	19.2
	65-74	1	Lung and bronchus	434	194.6
		2	Pancreas	103	46.2
		3	Colon and rectum	94	42.1
	75-84	1	Lung and bronchus	322	379.2
		2	Colon and rectum	89	104.8
		3	Pancreas	65	76.6
85+	1	Lung and bronchus	104	369.6	
	2	Colon and rectum	54	191.9	
	3	Prostate ††	47	460.3	

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				Deaths	Age Specific Rate <sup>1</sup>
2010-2014	00-54	1	Lung and bronchus	113	4.0
		2	Colon and rectum	81	2.8
		3	Breast †	69	5.0
	55-64	1	Lung and bronchus	310	66.5
		2	Colon and rectum	111	23.8
		3	Liver and intrahepatic bile ducts	91	19.5
	65-74	1	Lung and bronchus	411	197.7
		2	Colon and rectum	100	48.1
		3	Pancreas	93	44.7
	75-84	1	Lung and bronchus	337	412.9
		2	Colon and rectum	89	109.0
		3	Pancreas	60	73.5
	85+	1	Lung and bronchus	101	377.2
		2	Prostate ††	48	499.6
			Colon and rectum	48	179.3
3		Breast †	36	209.7	

Data Accessed: 01/16/2020

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**Alaska Facts & Figures**

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Years	Regional Area	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2014-2018	Anchorage Munic.	1	Lung and bronchus	397	26.6	32.1	70	2,881	200.1	177.3	7.3
		2	Colon and rectum	147	9.9	11.6	67	1,509	104.8	95.3	10.3
		3	Breast †	124	16.8	17.8	66.5	1,400	197.3	186.3	11.3
	Gulf Coast Region	1	Lung and bronchus	175	43.2	38.1	70	1,273	329.5	222.5	7.3
		2	Breast †	57	29.4	25.0	65	626	340.0	271.5	11
		3	Pancreas	56	13.8	11.9	63.5	574	148.6	107.6	10.3
	Interior Region	1	Lung and bronchus	150	26.7	32.8	71	895	164.2	136.8	6
		2	Colon and rectum	64	11.4	13.5	68	625	114.7	104.0	9.8
		3	Pancreas	45	8.0	9.0	65	462	84.8	74.1	10.3
	Mat-Su Borough	1	Lung and bronchus	197	38.6	45.2	69	1,550	314.1	265.0	7.9
		2	Colon and rectum	57	11.2	13.2	69	529	107.2	98.6	9.3
		3	Pancreas	53	10.4	13.0	72	356	72.1	64.8	6.7
	Northern Region	1	Lung and bronchus	48	34.7	57.2	69	383	282.1	309.2	8
		2	Colon and rectum	35	25.3	48.5	67	352	259.3	279.4	10.1
		3	Stomach	14	10.1*	16.4*	55	199	146.6*	155.4*	14.2
Southeast Region	1	Lung and bronchus	130	35.3	33.7	71	851	242.0	171.3	6.5	
	2	Colon and rectum	66	17.9	17.4	71	538	153.0	120.7	8.2	
	3	Pancreas	39	10.6	9.9	71	268	76.2	53.7	6.9	

Data Accessed: 01/16/2020  
 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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**Alaska Resident Leading Causes of Cancer Deaths - Top Three by 5 Year Interval and Public Health Region (2010-2018)**

Years	Regional Area	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2014-2018	Southwest Region	1	Lung and bronchus	44	20.8	35.1	70	301	145.2	158.6	6.8
		2	Colon and rectum	34	16.1	29.4	70.5	364	175.6	191.8	10.7
		3	Pancreas	21	9.9	14.2	69	178	85.9*	78.7*	8.5

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2013-2017	Anchorage Munic.	1	Lung and bronchus	426	28.5	35.2	69	3,237	223.6	202.5	7.6
		2	Colon and rectum	144	9.6	11.6	64	1,589	109.8	101.9	11
		3	Breast †	124	16.7	17.8	65	1,580	221.7	214.8	12.7
	Gulf Coast Region	1	Lung and bronchus	181	44.8	40.2	69	1,384	357.9	237.2	7.6
		2	Pancreas	56	13.9	12.6	65.5	578	149.5	114.1	10.3
		3	Colon and rectum	55	13.6	13.3	68	519	134.2	111.0	9.4
	Interior Region	1	Lung and bronchus	174	30.8	39.3	70	1,166	212.3	183.5	6.7
		2	Colon and rectum	70	12.4	15.6	68	635	115.6	105.2	9.1
		3	Breast †	48	17.9	21.9	64.5	559	215.8	208.5	11.6
	Mat-Su Borough	1	Lung and bronchus	198	39.5	47.8	69	1,616	333.4	286.0	8.2
		2	Colon and rectum	56	11.2	13.0	68	533	110.0	96.6	9.5
		3	Pancreas	53	10.6	13.7	70	392	80.9	72.4	7.4
	Northern Region	1	Lung and bronchus	48	34.7	56.1	67	428	315.7	329.9	8.9
		2	Colon and rectum	36	26.0	45.2	63.5	414	305.4	307.7	11.5
		3	Stomach	16	11.6*	18.5*	58.5	208	153.4*	161.2*	13
	Southeast Region	1	Lung and bronchus	128	34.6	34.1	71	902	255.1	192.5	7
		2	Colon and rectum	71	19.2	18.6	71	624	176.5	139.0	8.8
		3	Breast †	40	22.1	18.5	64	465	270.5	220.1	11.6

Data Accessed: 01/16/2020  
 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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Years	Regional Area	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2013-2017	Southwest Region	1	Lung and bronchus	44	20.8	37.2	71	291	140.4	149.1	6.6
		2	Colon and rectum	37	17.5	31.2	67	382	184.3	197.3	10.3
		3	Stomach	25	11.8	17.6	60	375	180.9*	189.9*	15

Data Accessed: 01/16/2020

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					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2012-2016	Anchorage Munic.	1	Lung and bronchus	427	28.5	36.2	69	3,298	227.5	211.4	7.7
		2	Colon and rectum	141	9.4	11.5	63	1,661	114.6	109.1	11.8
		3	Pancreas	131	8.8	10.7	68	1,200	82.8	80.4	9.2
	Gulf Coast Region	1	Lung and bronchus	186	46.1	43.7	70	1,374	354.8	236.1	7.4
		2	Colon and rectum	57	14.1	14.1	67	553	142.8	111.0	9.7
		3	Breast †	53	27.5	24.5	66	556	301.8	238.2	10.5
	Interior Region	1	Lung and bronchus	185	32.5	44.6	71	1,192	215.5	197.2	6.4
		2	Colon and rectum	63	11.1	13.9	68	597	107.9	94.9	9.5
		3	Pancreas	47	8.3	9.2	62	529	95.6	83.1	11.3
	Mat-Su Borough	1	Lung and bronchus	208	42.4	52.2	69	1,701	358.3	309.7	8.2
		2	Colon and rectum	53	10.8	12.9	69	518	109.1	96.7	9.8
		3	Pancreas	51	10.4	13.2	70	399	84.0	74.9	7.8
	Northern Region	1	Lung and bronchus	61	44.3	78.8	69	456	337.5	363.5	7.5
		2	Colon and rectum	36	26.1	43.4	62.5	459	339.7	355.3	12.8
		3	Stomach	19	13.8*	21.1*	55	268	198.4*	203.0*	14.1
	Southeast Region	1	Lung and bronchus	146	39.4	40.4	71	963	271.0	204.3	6.6
		2	Colon and rectum	68	18.3	19.4	72	468	131.7	100.1	6.9
		3	Pancreas	40	10.8	10.6	69.5	325	91.5	65.8	8.1

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					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2012-2016	Southwest Region	1	Lung and bronchus	43	20.4	37.4	72	274	132.5	138.1	6.4
		2	Colon and rectum	31	14.7	26.3	66	384	185.7	199.3	12.4
		3	Stomach	26	12.3	18.3	59	409	197.8	214.9	15.7

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2011-2015	Anchorage Munic.	1	Lung and bronchus	457	30.6	39.9	69	3,668	253.3	237.6	8
		2	Colon and rectum	133	8.9	11.0	63	1,577	108.9	105.3	11.9
		3	Breast †	128	17.4	19.7	64	1,597	224.6	218.9	12.5
	Gulf Coast Region	1	Lung and bronchus	191	47.4	45.5	69	1,423	367.8	250.5	7.5
		2	Colon and rectum	56	13.9	13.7	65	566	146.3	109.6	10.1
		3	Breast †	52	27.1	25.2	67	555	302.0	244.5	10.7
	Interior Region	1	Lung and bronchus	187	32.9	47.0	70	1,314	237.4	226.9	7
		2	Colon and rectum	63	11.1	15.0	70	532	96.1	90.3	8.4
		3	Pancreas	54	9.5	11.5	64.5	603	109.0	102.3	11.2
	Mat-Su Borough	1	Lung and bronchus	195	40.7	48.7	68	1,755	377.7	328.4	9
		2	Colon and rectum	49	10.2	13.4	70	474	102.0	91.5	9.7
		3	Pancreas	43	9.0	11.3	68	343	73.8	65.4	8
	Northern Region	1	Lung and bronchus	62	45.3	85.4	70.5	429	319.4	342.5	6.9
		2	Colon and rectum	36	26.3	44.2	66	384	285.9	296.8	10.7
		3	Stomach	19	13.9*	20.9*	55	289	215.2*	213.7*	15.2
Southeast Region	1	Lung and bronchus	161	43.4	45.5	71	1,202	337.9	260.3	7.5	
	2	Colon and rectum	59	15.9	17.9	75	398	111.9	88.0	6.7	
	3	Pancreas	43	11.6	12.3	72	291	81.8	58.8	6.8	

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**Alaska Resident Leading Causes of Cancer Deaths - Top Three by 5 Year Interval and Public Health Region (2010-2018)**

Years	Regional Area	Rank	Cause of Cancer Death	Deaths	Mortality			Years of Potential Life Lost (Age <75)			
					Crude Rate <sup>1</sup>	Age Adjusted Rate <sup>2</sup>	Median Age of Death	YPLL	Crude YPLL Rate <sup>3</sup>	Age Adjusted YPLL Rate <sup>4</sup>	Average YPLL
2011-2015	Southwest Region	1	Lung and bronchus	38	18.1	34.9	71.5	220	106.8	116.9	5.8
		2	Colon and rectum	34	16.2	26.8	64.5	439	213.1	226.5	12.9
		3	Stomach	24	11.4	17.5	59	362	175.7*	191.5*	15.1

Data Accessed: 01/16/2020

Source: Alaska Division of Public Health, Vital Statistics, Mortality.

Footnotes:

1. Events per 100,000 population.
2. Events per 100,000 population, age adjusted to year 2000 standard population.
3. Years per 100,000 population under 75 years old.
4. Years per 100,000 population under 75 years old, age adjusted to year 2000 standard population.

† Female only.

†† Male only.

\* Crude and age adjusted rates based on fewer than 20 events (or YPLL rates based on fewer than 20 events under 75 years old) are statistically unreliable and should be used with caution.

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**Alaska Facts & Figures**

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2010-2014	Anchorage Munic.	1	Lung and bronchus	447	30.1	40.9	69	3,579	248.0	235.8	8
		2	Breast †	134	18.3	21.5	64	1,643	232.0	223.9	12.3
		3	Colon and rectum	127	8.5	10.9	63	1,537	106.5	104.8	12.1
	Gulf Coast Region	1	Lung and bronchus	191	47.7	48.7	69	1,532	397.6	295.0	8
		2	Colon and rectum	58	14.5	15.2	69	502	130.3	92.4	8.7
		3	Breast †	50	26.2	23.6	62.5	592	323.8	256.0	11.8
	Interior Region	1	Lung and bronchus	178	31.4	47.7	70.5	1,253	226.5	222.0	7
		2	Colon and rectum	60	10.6	14.6	69.5	552	99.8	98.0	9.2
		3	Pancreas	51	9.0	10.7	63	598	108.1	101.6	11.7
	Mat-Su Borough	1	Lung and bronchus	187	39.9	51.3	68	1,615	355.4	318.7	8.6
		2	Colon and rectum	52	11.1	15.1	69.5	489	107.6	94.7	9.4
		3	Breast †	41	18.1	20.5	69	358	163.3	150.1	8.7
	Northern Region	1	Lung and bronchus	65	47.9	92.7	71	437	328.6	364.3	6.7
		2	Colon and rectum	37	27.3	47.4	67	414	311.3	329.6	11.2
		3	Stomach	19	14.0*	17.6*	53	338	254.2*	248.5*	17.8
	Southeast Region	1	Lung and bronchus	152	41.3	44.6	70	1,166	329.6	265.2	7.7
		2	Colon and rectum	56	15.2	16.8	72	434	122.7	103.9	7.8
		3	Pancreas	41	11.1	12.7	73	255	72.1	57.1	6.2

Data Accessed: 01/16/2020  
 Source: Alaska Division of Public Health, Vital Statistics, Mortality.

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2010-2014	Southwest Region	1	Lung and bronchus	48	23.0	45.6	73	287	140.5	146.9	6
		2	Colon and rectum	38	18.2	27.1	61.5	510	249.7	261.5	13.4
		3	Stomach	21	10.1	15.8	58	327	160.1*	171.2*	15.6

Data Accessed: 01/16/2020

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