

Cancer Mortality Among AI/AN 1999-2003

All Cancer Sites, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	660	242.3	223.0-263.1	196.9	1.23§	1.13-1.34	45.4
	Male	ALL	349	299.1	264.2-338.5	243.1	1.23§	1.09-1.39	56.0
	Female	ALL	311	205.4	182.3-231.0	166.5	1.23§	1.10-1.38	38.9
EAST	Both	CHSDA	411	139.1	125.3-154.2	196.9	0.71§	0.64-0.78	-57.8
		ALL	1,940	95.5	91.0-100.1	196.9	0.49§	0.46-0.51	-101.4
	Male	CHSDA	203	155.0	132.4-180.9	243.1	0.64§	0.55-0.74	-88.1
		ALL	1,020	117.2	109.3-125.6	243.1	0.48§	0.45-0.52	-125.9
	Female	CHSDA	208	127.9	110.6-147.3	166.5	0.77§	0.67-0.88	-38.6
		ALL	920	80.6	75.3-86.2	166.5	0.48§	0.45-0.52	-85.9
NORTHERN PLAINS	Both	CHSDA	1,550	255.2	241.7-269.4	196.9	1.30§	1.23-1.37	58.3
		ALL	2,104	205.6	196.2-215.4	196.9	1.04	1.00-1.09	8.7
	Male	CHSDA	774	305.5	281.2-331.8	243.1	1.26§	1.16-1.36	62.4
		ALL	1,039	244.0	227.1-262.2	243.1	1.00	0.94-1.08	0.9
	Female	CHSDA	776	223.8	207.6-241.0	166.5	1.34§	1.25-1.45	57.3
		ALL	1,065	182.0	170.6-194.0	166.5	1.09§	1.03-1.16	15.5
PACIFIC COAST	Both	CHSDA	1,303	140.2	132.1-148.8	196.9	0.71§	0.67-0.76	-56.7
		ALL	1,844	110.0	104.7-115.6	196.9	0.56§	0.53-0.59	-86.9
	Male	CHSDA	652	159.4	145.9-174.2	243.1	0.66§	0.60-0.72	-83.7
		ALL	946	127.8	118.8-137.5	243.1	0.53§	0.49-0.57	-115.3
	Female	CHSDA	651	126.7	116.7-137.5	166.5	0.76§	0.70-0.82	-39.8
		ALL	898	97.2	90.6-104.1	166.5	0.58§	0.55-0.63	-69.3
SOUTHERN PLAINS	Both	CHSDA	1,586	154.5	146.8-162.6	196.9	0.78§	0.75-0.83	-42.4
		ALL	1,834	125.5	119.6-131.6	196.9	0.64§	0.61-0.67	-71.4
	Male	CHSDA	815	190.5	176.6-205.4	243.1	0.78§	0.73-0.84	-52.6
		ALL	961	154.6	144.1-165.9	243.1	0.64§	0.59-0.68	-88.5
	Female	CHSDA	771	131.2	122.0-140.9	166.5	0.79§	0.73-0.85	-35.3
		ALL	873	105.5	98.5-113.0	166.5	0.63§	0.59-0.68	-61.0
SOUTHWEST	Both	CHSDA	1,717	130.2	123.8-136.9	196.9	0.66§	0.63-0.69	-66.7
		ALL	1,852	125.1	119.2-131.4	196.9	0.64§	0.61-0.67	-71.8
	Male	CHSDA	845	151.4	140.6-162.8	243.1	0.62§	0.58-0.67	-91.7
		ALL	907	144.5	134.5-155.2	243.1	0.59§	0.55-0.64	-98.6
	Female	CHSDA	872	115.5	107.7-123.8	166.5	0.69§	0.65-0.74	-51.0
		ALL	945	111.8	104.5-119.6	166.5	0.67§	0.63-0.72	-54.7
TOTAL US	Both	CHSDA	7,227	161.9	158.0-165.9	196.9	0.82§	0.80-0.84	-35.0
		ALL	10,234	128.6	125.9-131.3	196.9	0.65§	0.64-0.67	-68.3
	Male	CHSDA	3,638	191.2	184.5-198.2	243.1	0.79§	0.76-0.82	-51.9
		ALL	5,222	153.4	148.8-158.1	243.1	0.63§	0.61-0.65	-89.7
	Female	CHSDA	3,589	141.9	137.1-146.8	166.5	0.85§	0.82-0.88	-24.6
		ALL	5,012	111.6	108.4-114.9	166.5	0.67§	0.65-0.69	-54.9

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Stomach, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	46	15.7	11.2-21.7	3.6	4.36§	3.19-5.96	12.1
	Male	ALL	23	19.0	11.2-32.0	5.1	3.73§	2.34-5.93	13.9
	Female	ALL	23	14.0	8.6-21.9	2.5	5.60§	3.63-8.64	11.5
EAST	Both	CHSDA	15	4.9	2.6-8.5	3.6	1.36	0.81-2.29	1.3
		ALL	51	2.6	1.9-3.5	3.6	0.72§	0.53-0.98	-1.0
	Male	CHSDA	10	7.1	3.1-15.1	5.1	1.39	0.70-2.78	2.0
		ALL	35	4.2	2.8-6.2	5.1	0.82	0.57-1.20	-0.9
	Female	CHSDA	5	3.1	1.0-7.7	2.5	1.24	0.51-3.00	0.6
ALL		16	1.5	0.8-2.4	2.5	0.60	0.36-1.01	-1.0	
NORTHERN PLAINS	Both	CHSDA	48	7.7	5.5-10.7	3.6	2.14§	1.58-2.90	4.1
		ALL	56	5.2	3.8-7.0	3.6	1.44§	1.07-1.95	1.6
	Male	CHSDA	28	10.6	6.4-17.2	5.1	2.08§	1.33-3.24	5.5
		ALL	32	7.0	4.4-11.1	5.1	1.37	0.90-2.09	1.9
	Female	CHSDA	20	5.9	3.5-9.4	2.5	2.36§	1.48-3.76	3.4
ALL	24	4.1	2.5-6.3	2.5	1.64§	1.07-2.52	1.6		
PACIFIC COAST	Both	CHSDA	37	4.0	2.7-5.7	3.6	1.11	0.79-1.57	0.4
		ALL	51	3.2	2.4-4.3	3.6	0.89	0.65-1.21	-0.4
	Male	CHSDA	21	5.1	3.0-8.6	5.1	1.00	0.63-1.59	0.0
		ALL	29	4.3	2.8-6.7	5.1	0.84	0.56-1.27	-0.8
	Female	CHSDA	16	3.2	1.8-5.4	2.5	1.28	0.78-2.09	0.7
ALL		22	2.5	1.5-3.9	2.5	1.00	0.62-1.60	0.0	
SOUTHERN PLAINS	Both	CHSDA	48	4.7	3.5-6.4	3.6	1.31	0.98-1.75	1.1
		ALL	50	3.5	2.5-4.6	3.6	0.97	0.73-1.29	-0.1
	Male	CHSDA	28	6.7	4.3-10.3	5.1	1.31	0.87-1.98	1.6
		ALL	29	4.8	3.1-7.4	5.1	0.94	0.63-1.42	-0.3
	Female	CHSDA	20	3.5	2.1-5.4	2.5	1.40	0.89-2.19	1.0
ALL	21	2.6	1.6-4.0	2.5	1.04	0.66-1.63	0.1		
SOUTHWEST	Both	CHSDA	135	11.0	9.2-13.2	3.6	3.06§	2.56-3.65	7.4
		ALL	140	10.2	8.5-12.1	3.6	2.83§	2.38-3.37	6.6
	Male	CHSDA	80	15.3	12.0-19.4	5.1	3.00§	2.38-3.78	10.2
		ALL	83	14.2	11.1-17.9	5.1	2.78§	2.20-3.52	9.1
	Female	CHSDA	55	8.0	6.0-10.5	2.5	3.20§	2.44-4.19	5.5
ALL		57	7.4	5.5-9.7	2.5	2.96§	2.27-3.86	4.9	
TOTAL US	Both	CHSDA	329	7.5	6.7-8.4	3.6	2.08§	1.88-2.31	3.9
		ALL	394	5.1	4.6-5.7	3.6	1.42§	1.26-1.59	1.5
	Male	CHSDA	190	10.3	8.7-12.1	5.1	2.02§	1.73-2.35	5.2
		ALL	231	7.1	6.1-8.3	5.1	1.39§	1.21-1.60	2.0
	Female	CHSDA	139	5.7	4.7-6.7	2.5	2.28§	1.92-2.71	3.2
ALL	163	3.7	3.2-4.4	2.5	1.48§	1.26-1.73	1.2		

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Cancer Mortality Among AI/AN 1999-2003

Colon and Rectum, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites†(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	90	35.5	28.1-44.4	19.8	1.79§	1.44-2.24	15.7
	Male	ALL	47	45.4	31.6-64.4	24.0	1.89§	1.36-2.64	21.4
	Female	ALL	43	30.5	21.7-41.8	16.7	1.83§	1.34-2.49	13.8
EAST	Both	CHSDA	49	16.6	12.0-22.5	19.8	0.84	0.62-1.13	-3.2
		ALL	169	8.9	7.5-10.4	19.8	0.45§	0.39-0.52	-10.9
	Male	CHSDA	21	13.8	8.1-23.1	24.0	0.58§	0.36-0.92	-10.2
		ALL	86	10.3	8.0-13.2	24.0	0.43§	0.34-0.55	-13.7
	Female	CHSDA	28	17.9	11.8-26.3	16.7	1.07	0.73-1.57	1.2
ALL		83	7.8	6.2-9.8	16.7	0.47§	0.37-0.59	-8.9	
NORTHERN PLAINS	Both	CHSDA	159	28.6	24.1-33.9	19.8	1.44§	1.23-1.70	8.8
		ALL	217	23.1	19.9-26.7	19.8	1.17§	1.01-1.35	3.3
	Male	CHSDA	80	37.1	28.3-48.4	24.0	1.55§	1.20-1.99	13.1
		ALL	108	28.4	22.5-35.6	24.0	1.18	0.95-1.48	4.4
	Female	CHSDA	79	24.4	19.1-30.8	16.7	1.46§	1.16-1.84	7.7
ALL		109	20.3	16.5-24.7	16.7	1.22	1.00-1.47	3.6	
PACIFIC COAST	Both	CHSDA	144	16.4	13.6-19.6	19.8	0.83§	0.69-0.99	-3.4
		ALL	181	11.3	9.6-13.3	19.8	0.57§	0.49-0.67	-8.5
	Male	CHSDA	81	21.1	16.2-27.2	24.0	0.88	0.69-1.12	-2.9
		ALL	100	14.2	11.2-17.8	24.0	0.59§	0.47-0.74	-9.8
	Female	CHSDA	63	13.0	9.9-16.9	16.7	0.78	0.60-1.01	-3.7
ALL		81	9.3	7.3-11.7	16.7	0.56§	0.44-0.70	-7.4	
SOUTHERN PLAINS	Both	CHSDA	179	17.8	15.2-20.7	19.8	0.90	0.77-1.05	-2.0
		ALL	205	14.5	12.5-16.8	19.8	0.73§	0.63-0.85	-5.3
	Male	CHSDA	92	21.5	17.0-27.1	24.0	0.90	0.72-1.12	-2.5
		ALL	112	18.1	14.6-22.4	24.0	0.75§	0.61-0.93	-5.9
	Female	CHSDA	87	15.1	12.0-18.7	16.7	0.90	0.73-1.11	-1.6
ALL		93	11.7	9.4-14.4	16.7	0.70§	0.57-0.86	-5.0	
SOUTHWEST	Both	CHSDA	132	9.4	7.8-11.3	19.8	0.47§	0.39-0.57	-10.4
		ALL	141	8.9	7.4-10.6	19.8	0.45§	0.38-0.54	-10.9
	Male	CHSDA	73	11.4	8.7-14.7	24.0	0.48§	0.37-0.60	-12.6
		ALL	78	10.7	8.3-13.7	24.0	0.45§	0.35-0.57	-13.3
	Female	CHSDA	59	7.9	5.9-10.3	16.7	0.47§	0.36-0.62	-8.8
ALL		63	7.4	5.7-9.7	16.7	0.44§	0.34-0.58	-9.3	
TOTAL US	Both	CHSDA	753	17.3	16.1-18.7	19.8	0.87§	0.81-0.95	-2.5
		ALL	1,003	13.1	12.3-14.0	19.8	0.66§	0.62-0.70	-6.7
	Male	CHSDA	394	20.9	18.7-23.3	24.0	0.87§	0.78-0.97	-3.1
		ALL	531	15.9	14.4-17.5	24.0	0.66§	0.60-0.73	-8.1
	Female	CHSDA	359	14.8	13.3-16.5	16.7	0.89§	0.80-0.99	-1.9
ALL		472	11.1	10.1-12.2	16.7	0.66§	0.61-0.73	-5.6	

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‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
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Cancer Mortality Among AI/AN 1999-2003

Liver and Intrahepatic Bile Duct, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)† and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	26	9.3	5.8-14.5	4.1	2.27§	1.49-3.46	5.2
	Male	ALL	11	8.4	3.6-19.2	6.0	1.40	0.70-2.82	2.4
	Female	ALL	15	10.1	5.4-17.5	2.6	3.88§	2.26-6.69	7.5
EAST	Both	CHSDA	17	5.4	3.1-9.2	4.1	1.32	0.79-2.19	1.3
		ALL	72	3.3	2.6-4.3	4.1	0.80	0.63-1.02	-0.8
	Male	CHSDA	11	7.0	3.2-14.6	6.0	1.17	0.61-2.22	1.0
		ALL	50	5.0	3.6-6.9	6.0	0.83	0.61-1.14	-1.0
	Female	CHSDA	6	3.9	1.4-8.9	2.6	1.50	0.67-3.35	1.3
		ALL	22	2.0	1.2-3.1	2.6	0.77	0.52-1.14	-0.6
NORTHERN PLAINS	Both	CHSDA	58	8.9	6.6-12.0	4.1	2.17§	1.63-2.89	4.8
		ALL	83	7.2	5.6-9.2	4.1	1.76§	1.37-2.24	3.1
	Male	CHSDA	42	13.6	9.4-20.1	6.0	2.27§	1.60-3.20	7.6
		ALL	62	11.2	8.3-15.5	6.0	1.87§	1.41-2.47	5.2
	Female	CHSDA	16	4.9	2.7-8.3	2.6	1.88§	1.12-3.17	2.3
		ALL	21	3.7	2.2-5.9	2.6	1.42	0.93-2.17	1.1
PACIFIC COAST	Both	CHSDA	63	6.6	5.0-8.7	4.1	1.61§	1.23-2.10	2.5
		ALL	101	5.6	4.4-6.9	4.1	1.37§	1.11-1.69	1.5
	Male	CHSDA	32	6.9	4.5-10.7	6.0	1.15	0.77-1.71	0.9
		ALL	56	6.0	4.4-8.3	6.0	1.00	0.75-1.34	0.0
	Female	CHSDA	31	6.1	4.1-8.9	2.6	2.35§	1.60-3.45	3.5
		ALL	45	4.9	3.5-6.7	2.6	1.88§	1.37-2.60	2.3
SOUTHERN PLAINS	Both	CHSDA	61	5.8	4.4-7.6	4.1	1.41§	1.08-1.85	1.7
		ALL	70	4.6	3.5-5.9	4.1	1.12	0.87-1.45	0.5
	Male	CHSDA	37	7.7	5.3-11.2	6.0	1.28	0.92-1.79	1.7
		ALL	44	6.1	4.3-8.6	6.0	1.02	0.74-1.40	0.1
	Female	CHSDA	24	4.2	2.7-6.4	2.6	1.62§	1.06-2.46	1.6
		ALL	26	3.2	2.1-4.8	2.6	1.23	0.85-1.78	0.6
SOUTHWEST	Both	CHSDA	121	9.4	7.7-11.3	4.1	2.29§	1.90-2.77	5.3
		ALL	130	8.9	7.4-10.7	4.1	2.17§	1.82-2.59	4.8
	Male	CHSDA	79	13.4	10.4-17.1	6.0	2.23§	1.77-2.82	7.4
		ALL	86	12.9	10.1-16.3	6.0	2.15§	1.71-2.70	6.9
	Female	CHSDA	42	6.1	4.3-8.3	2.6	2.35§	1.70-3.24	3.5
		ALL	44	5.7	4.1-7.7	2.6	2.19§	1.61-2.99	3.1
TOTAL US	Both	CHSDA	346	7.6	6.8-8.6	4.1	1.85§	1.67-2.06	3.5
		ALL	482	5.8	5.2-6.4	4.1	1.41§	1.28-1.57	1.7
	Male	CHSDA	212	10.0	8.6-11.7	6.0	1.67§	1.42-1.95	4.0
		ALL	309	7.8	6.9-8.9	6.0	1.30§	1.15-1.47	1.8
	Female	CHSDA	134	5.6	4.6-6.6	2.6	2.15§	1.81-2.57	3.0
		ALL	173	4.0	3.4-4.7	2.6	1.54§	1.33-1.78	1.4

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Gallbladder, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	3	1.2	0.2-4.0	0.6	2.00	0.64-6.27	0.6
	Male	ALL	1	0.8	0.0-9.1	0.5	1.60	0.23-11.36	0.3
	Female	ALL	2	1.5	0.2-6.0	0.8	1.88	0.45-7.89	0.7
EAST	Both	CHSDA	3	1.4	0.3-4.1	0.6	2.33	0.76-7.15	0.8
		ALL	10	0.6	0.3-1.1	0.6	1.00	0.52-1.92	0.0
	Male	CHSDA	1	1.5	0.0-8.2	0.5	3.00	0.42-21.30	1.0
		ALL	3	0.4	0.0-1.4	0.5	0.80	0.18-3.48	-0.1
	Female	CHSDA	2	1.5	0.2-5.5	0.8	1.88	0.51-6.93	0.7
ALL		7	0.7	0.3-1.6	0.8	0.88	0.38-2.03	-0.1	
NORTHERN PLAINS	Both	CHSDA	10	1.7	0.8-3.3	0.6	2.83§	1.59-5.04	1.1
		ALL	13	1.4	0.7-2.5	0.6	2.33§	1.33-4.08	0.8
	Male	CHSDA	2	0.7	0.1-4.6	0.5	1.40	0.35-5.68	0.2
		ALL	4	0.8	0.2-3.1	0.5	1.60	0.60-4.26	0.3
	Female	CHSDA	8	2.4	1.0-5.0	0.8	3.00§	1.44-6.26	1.6
ALL		9	1.7	0.8-3.4	0.8	2.13§	1.06-4.24	0.9	
PACIFIC COAST	Both	CHSDA	5	0.6	0.2-1.5	0.6	1.00	0.38-2.66	0.0
		ALL	6	0.4	0.1-1.0	0.6	0.67	0.25-1.78	-0.2
	Male	CHSDA	0	0.0	0.0-2.0	0.5	.	.	.
		ALL	0	0.0	0.0-1.1	0.5	.	.	.
	Female	CHSDA	5	1.0	0.3-2.6	0.8	1.25	0.47-3.33	0.2
ALL		6	0.7	0.3-1.7	0.8	0.88	0.38-2.03	-0.1	
SOUTHERN PLAINS	Both	CHSDA	9	1.0	0.5-2.0	0.6	1.67	0.93-3.00	0.4
		ALL	10	0.8	0.4-1.5	0.6	1.33	0.64-2.78	0.2
	Male	CHSDA	3	0.9	0.2-3.3	0.5	1.80	0.49-6.65	0.4
		ALL	3	0.7	0.1-2.3	0.5	1.40	0.46-4.29	0.2
	Female	CHSDA	6	1.1	0.4-2.5	0.8	1.38	0.56-3.35	0.3
ALL		7	0.9	0.4-2.0	0.8	1.13	0.47-2.69	0.1	
SOUTHWEST	Both	CHSDA	49	4.0	2.9-5.3	0.6	6.67§	4.97-8.95	3.4
		ALL	50	3.7	2.7-4.9	0.6	6.17§	4.73-8.04	3.1
	Male	CHSDA	12	2.5	1.2-4.6	0.5	5.00§	2.67-9.36	2.0
		ALL	13	2.5	1.3-4.4	0.5	5.00§	2.89-8.66	2.0
	Female	CHSDA	37	5.1	3.5-7.1	0.8	6.38§	4.51-9.01	4.3
ALL		37	4.6	3.2-6.4	0.8	5.75§	4.09-8.09	3.8	
TOTAL US	Both	CHSDA	79	1.9	1.5-2.5	0.6	3.17§	2.58-3.89	1.3
		ALL	92	1.3	1.0-1.6	0.6	2.17§	1.86-2.52	0.7
	Male	CHSDA	19	1.2	0.7-2.0	0.5	2.40§	1.47-3.92	0.7
		ALL	24	0.8	0.5-1.3	0.5	1.60	0.98-2.61	0.3
	Female	CHSDA	60	2.5	1.9-3.3	0.8	3.13§	2.47-3.95	1.7
ALL		68	1.6	1.3-2.1	0.8	2.00§	1.57-2.56	0.8	

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Pancreas, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	37	12.4	8.5-17.8	10.4	1.19	0.84-1.69	2.0
	Male	ALL	23	20.0	11.7-33.7	12.1	1.65§	1.03-2.65	7.9
	Female	ALL	14	7.7	4.1-13.8	9.1	0.85	0.50-1.44	-1.4
EAST	Both	CHSDA	20	6.4	3.8-10.4	10.4	0.62§	0.39-0.97	-4.0
		ALL	100	4.9	4.0-6.1	10.4	0.47§	0.39-0.58	-5.5
	Male	CHSDA	10	6.8	3.0-14.5	12.1	0.56	0.29-1.09	-5.3
		ALL	52	5.8	4.2-8.0	12.1	0.48§	0.35-0.65	-6.3
	Female	CHSDA	10	6.1	2.8-11.6	9.1	0.67	0.35-1.27	-3.0
		ALL	48	4.2	3.1-5.6	9.1	0.46§	0.35-0.61	-4.9
NORTHERN PLAINS	Both	CHSDA	56	8.4	6.2-11.3	10.4	0.81	0.61-1.07	-2.0
		ALL	73	6.6	5.1-8.6	10.4	0.63§	0.50-0.80	-3.8
	Male	CHSDA	26	7.9	5.0-13.2	12.1	0.65	0.43-1.00	-4.2
		ALL	34	6.2	4.1-9.7	12.1	0.51§	0.35-0.75	-5.9
	Female	CHSDA	30	8.5	5.6-12.4	9.1	0.93	0.65-1.35	-0.6
		ALL	39	6.7	4.7-9.4	9.1	0.74	0.53-1.02	-2.4
PACIFIC COAST	Both	CHSDA	61	7.0	5.2-9.2	10.4	0.67§	0.51-0.89	-3.4
		ALL	92	5.6	4.4-7.0	10.4	0.54§	0.44-0.66	-4.8
	Male	CHSDA	22	4.8	2.8-8.1	12.1	0.40§	0.25-0.62	-7.3
		ALL	36	4.4	3.0-6.6	12.1	0.36§	0.25-0.52	-7.7
	Female	CHSDA	39	8.4	5.9-11.8	9.1	0.92	0.67-1.28	-0.7
		ALL	56	6.3	4.7-8.4	9.1	0.69§	0.52-0.92	-2.8
SOUTHERN PLAINS	Both	CHSDA	60	6.1	4.6-7.9	10.4	0.59§	0.45-0.76	-4.3
		ALL	74	5.2	4.0-6.6	10.4	0.50§	0.40-0.63	-5.2
	Male	CHSDA	27	5.7	3.7-9.0	12.1	0.47§	0.31-0.71	-6.4
		ALL	34	4.7	3.2-7.1	12.1	0.39§	0.27-0.57	-7.4
	Female	CHSDA	33	5.9	4.1-8.4	9.1	0.65§	0.47-0.90	-3.2
		ALL	40	5.2	3.7-7.2	9.1	0.57§	0.42-0.77	-3.9
SOUTHWEST	Both	CHSDA	95	7.7	6.2-9.5	10.4	0.74§	0.60-0.91	-2.7
		ALL	103	7.5	6.1-9.2	10.4	0.72§	0.59-0.89	-2.9
	Male	CHSDA	43	7.9	5.6-10.9	12.1	0.65§	0.47-0.90	-4.2
		ALL	46	7.6	5.5-10.4	12.1	0.63§	0.46-0.86	-4.5
	Female	CHSDA	52	7.5	5.6-10.0	9.1	0.82	0.62-1.10	-1.6
		ALL	57	7.4	5.6-9.7	9.1	0.81	0.62-1.06	-1.7
TOTAL US	Both	CHSDA	329	7.5	6.6-8.4	10.4	0.72§	0.65-0.80	-2.9
		ALL	479	6.1	5.5-6.7	10.4	0.59§	0.53-0.65	-4.3
	Male	CHSDA	151	7.5	6.2-8.9	12.1	0.62§	0.52-0.74	-4.6
		ALL	225	6.2	5.4-7.2	12.1	0.51§	0.44-0.60	-5.9
	Female	CHSDA	178	7.4	6.3-8.6	9.1	0.81§	0.69-0.95	-1.7
		ALL	254	5.9	5.2-6.7	9.1	0.65§	0.57-0.74	-3.2

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† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
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** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Lung and Bronchus, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	173	63.8	54.3-74.9	57.3	1.11	0.95-1.30	6.5
	Male	ALL	103	82.0	65.6-103.1	76.1	1.08	0.87-1.33	5.9
	Female	ALL	70	49.2	38.1-62.9	43.8	1.12	0.88-1.43	5.4
EAST	Both	CHSDA	123	42.2	34.7-50.9	57.3	0.74§	0.61-0.89	-15.1
		ALL	564	27.6	25.2-30.1	57.3	0.48§	0.44-0.52	-29.7
	Male	CHSDA	66	51.6	39.0-67.8	76.1	0.68§	0.52-0.88	-24.5
		ALL	338	37.5	33.2-42.2	76.1	0.49§	0.44-0.55	-38.6
	Female	CHSDA	57	35.5	26.7-46.5	43.8	0.81	0.62-1.06	-8.3
		ALL	226	20.1	17.5-23.0	43.8	0.46§	0.40-0.53	-23.7
NORTHERN PLAINS	Both	CHSDA	505	84.2	76.6-92.5	57.3	1.47§	1.34-1.61	26.9
		ALL	682	69.0	63.6-74.9	57.3	1.20§	1.11-1.30	11.7
	Male	CHSDA	257	100.3	87.1-115.7	76.1	1.32§	1.15-1.51	24.2
		ALL	342	82.5	72.9-93.3	76.1	1.08	0.96-1.22	6.4
	Female	CHSDA	248	73.2	64.1-83.4	43.8	1.67§	1.47-1.90	29.4
		ALL	340	60.2	53.7-67.3	43.8	1.37§	1.23-1.54	16.4
PACIFIC COAST	Both	CHSDA	368	40.3	36.0-45.0	57.3	0.70§	0.63-0.78	-17.0
		ALL	510	31.3	28.5-34.3	57.3	0.55§	0.50-0.60	-26.0
	Male	CHSDA	189	47.1	39.9-55.4	76.1	0.62§	0.53-0.72	-29.0
		ALL	270	37.2	32.5-42.6	76.1	0.49§	0.43-0.56	-38.9
	Female	CHSDA	179	35.5	30.3-41.5	43.8	0.81§	0.69-0.95	-8.3
		ALL	240	26.8	23.4-30.6	43.8	0.61§	0.54-0.70	-17.0
SOUTHERN PLAINS	Both	CHSDA	439	43.0	39.0-47.3	57.3	0.75§	0.68-0.83	-14.3
		ALL	515	35.7	32.6-39.0	57.3	0.62§	0.57-0.68	-21.6
	Male	CHSDA	243	56.2	49.0-64.5	76.1	0.74§	0.65-0.84	-19.9
		ALL	295	47.6	41.9-54.0	76.1	0.63§	0.55-0.71	-28.5
	Female	CHSDA	196	33.6	29.0-38.7	43.8	0.77§	0.67-0.88	-10.2
		ALL	220	27.0	23.5-30.9	43.8	0.62§	0.54-0.71	-16.8
SOUTHWEST	Both	CHSDA	155	12.4	10.4-14.6	57.3	0.22§	0.18-0.25	-44.9
		ALL	192	13.7	11.8-15.9	57.3	0.24§	0.21-0.28	-43.6
	Male	CHSDA	93	17.9	14.3-22.2	76.1	0.24§	0.19-0.29	-58.2
		ALL	111	18.9	15.4-23.1	76.1	0.25§	0.20-0.30	-57.2
	Female	CHSDA	62	8.4	6.4-10.9	43.8	0.19§	0.15-0.25	-35.4
		ALL	81	10.0	7.9-12.6	43.8	0.23§	0.18-0.28	-33.8
TOTAL US	Both	CHSDA	1,763	40.0	38.1-42.0	57.3	0.70§	0.66-0.73	-17.3
		ALL	2,636	33.7	32.4-35.1	57.3	0.59§	0.56-0.61	-23.6
	Male	CHSDA	951	50.0	46.7-53.6	76.1	0.66§	0.61-0.70	-26.1
		ALL	1,459	42.9	40.6-45.4	76.1	0.56§	0.53-0.60	-33.2
	Female	CHSDA	812	32.8	30.5-35.2	43.8	0.75§	0.70-0.80	-11.0
		ALL	1,177	27.0	25.4-28.6	43.8	0.62§	0.58-0.65	-16.8

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Breast, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	38	11.4	7.8-16.4	14.7	0.78	0.55-1.09	-3.3
	Male	ALL	0	0.0	0.0-8.1	0.3	.		.
	Female	ALL	38	21.2	14.8-30.1	25.9	0.82	0.59-1.14	-4.7
EAST	Both	CHSDA	30	9.5	6.2-14.1	14.7	0.65§	0.45-0.94	-5.2
		ALL	155	6.8	5.7-8.0	14.7	0.46§	0.39-0.55	-7.9
	Male	CHSDA	1	0.7	0.0-6.3	0.3	2.33	0.33-16.57	0.4
		ALL	2	0.2	0.0-1.1	0.3	0.67	0.25-1.78	-0.1
	Female	CHSDA	29	16.5	10.9-24.3	25.9	0.64§	0.44-0.93	-9.4
		ALL	153	12.1	10.2-14.3	25.9	0.47§	0.40-0.55	-13.8
NORTHERN PLAINS	Both	CHSDA	77	11.6	9.0-15.0	14.7	0.79	0.61-1.02	-3.1
		ALL	126	11.2	9.1-13.7	14.7	0.76§	0.63-0.92	-3.5
	Male	CHSDA	0	0.0	0.0-3.8	0.3	.		.
		ALL	0	0.0	0.0-2.2	0.3	.		.
	Female	CHSDA	77	20.3	15.8-25.8	25.9	0.78§	0.62-0.99	-5.6
		ALL	126	19.6	16.1-23.6	25.9	0.76§	0.63-0.92	-6.3
PACIFIC COAST	Both	CHSDA	72	7.3	5.6-9.5	14.7	0.50§	0.38-0.65	-7.4
		ALL	118	6.4	5.2-7.8	14.7	0.44§	0.36-0.52	-8.3
	Male	CHSDA	0	0.0	0.0-2.0	0.3	.		.
		ALL	0	0.0	0.0-1.1	0.3	.		.
	Female	CHSDA	72	13.0	10.0-16.8	25.9	0.50§	0.39-0.64	-12.9
		ALL	118	11.5	9.4-14.0	25.9	0.44§	0.37-0.54	-14.4
SOUTHERN PLAINS	Both	CHSDA	110	10.4	8.5-12.6	14.7	0.71§	0.59-0.85	-4.3
		ALL	129	8.4	7.0-10.1	14.7	0.57§	0.47-0.69	-6.3
	Male	CHSDA	1	0.4	0.0-2.4	0.3	1.33	0.19-9.47	0.1
		ALL	1	0.3	0.0-1.7	0.3	1.00	0.14-7.10	0.0
	Female	CHSDA	109	18.0	14.7-21.8	25.9	0.69§	0.58-0.84	-7.9
		ALL	128	14.8	12.3-17.7	25.9	0.57§	0.48-0.68	-11.1
SOUTHWEST	Both	CHSDA	110	7.4	6.0-9.1	14.7	0.50§	0.42-0.61	-7.3
		ALL	119	7.1	5.8-8.6	14.7	0.48§	0.40-0.59	-7.6
	Male	CHSDA	0	0.0	0.0-1.1	0.3	.		.
		ALL	1	0.2	0.0-1.3	0.3	0.67	0.09-4.73	-0.1
	Female	CHSDA	110	13.2	10.8-16.1	25.9	0.51§	0.42-0.62	-12.7
		ALL	118	12.6	10.3-15.3	25.9	0.49§	0.40-0.59	-13.3
TOTAL US	Both	CHSDA	437	9.0	8.1-10.0	14.7	0.61§	0.55-0.68	-5.7
		ALL	685	7.8	7.1-8.4	14.7	0.53§	0.49-0.57	-6.9
	Male	CHSDA	2	0.1	0.0-0.6	0.3	0.33	0.05-2.37	-0.2
		ALL	4	0.1	0.0-0.4	0.3	0.33	0.05-2.37	-0.2
	Female	CHSDA	435	15.9	14.4-17.6	25.9	0.61§	0.56-0.68	-10.0
		ALL	681	13.8	12.8-15.0	25.9	0.53§	0.49-0.58	-12.1

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Cervix Uteri, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	4	1.2	0.3-3.9	1.2	1.00	0.38-2.66	0.0
	Male	ALL	0	0.0	0.0-8.1	0.0	.		.
	Female	ALL	4	2.2	0.5-6.9	2.3	0.96	0.33-2.79	-0.1
EAST	Both	CHSDA	6	1.8	0.6-4.5	1.2	1.50	0.63-3.58	0.6
		ALL	21	0.9	0.5-1.5	1.2	0.75	0.49-1.16	-0.3
	Male	CHSDA	0	0.0	0.0-5.4	0.0	.		.
		ALL	0	0.0	0.0-0.9	0.0	.		.
		CHSDA	6	3.1	1.1-7.5	2.3	1.35	0.59-3.07	0.8
Female	ALL	21	1.6	1.0-2.6	2.3	0.70	0.43-1.14	-0.7	
NORTHERN PLAINS	Both	CHSDA	35	4.3	2.9-6.4	1.2	3.58§	2.49-5.16	3.1
		ALL	43	2.9	2.1-4.2	1.2	2.42§	1.72-3.39	1.7
	Male	CHSDA	0	0.0	0.0-3.8	0.0	.		.
		ALL	0	0.0	0.0-2.2	0.0	.		.
		CHSDA	35	7.9	5.4-11.5	2.3	3.43§	2.43-4.86	5.6
Female	ALL	43	5.5	3.9-7.7	2.3	2.39§	1.74-3.30	3.2	
PACIFIC COAST	Both	CHSDA	9	0.7	0.3-1.6	1.2	0.58	0.25-1.35	-0.5
		ALL	13	0.5	0.3-1.0	1.2	0.42§	0.19-0.91	-0.7
	Male	CHSDA	0	0.0	0.0-2.0	0.0	.		.
		ALL	0	0.0	0.0-1.1	0.0	.		.
		CHSDA	9	1.3	0.6-2.8	2.3	0.57	0.27-1.20	-1.0
Female	ALL	13	1.0	0.5-1.9	2.3	0.43§	0.24-0.78	-1.3	
SOUTHERN PLAINS	Both	CHSDA	25	2.0	1.3-3.0	1.2	1.67§	1.13-2.47	0.8
		ALL	27	1.4	0.9-2.1	1.2	1.17	0.77-1.78	0.2
	Male	CHSDA	0	0.0	0.0-1.8	0.0	.		.
		ALL	0	0.0	0.0-1.3	0.0	.		.
		CHSDA	25	3.7	2.4-5.6	2.3	1.61§	1.11-2.33	1.4
Female	ALL	27	2.6	1.7-3.9	2.3	1.13	0.78-1.65	0.3	
SOUTHWEST	Both	CHSDA	35	2.3	1.6-3.4	1.2	1.92§	1.36-2.70	1.1
		ALL	38	2.2	1.5-3.2	1.2	1.83§	1.28-2.62	1.0
	Male	CHSDA	0	0.0	0.0-1.1	0.0	.		.
		ALL	0	0.0	0.0-1.0	0.0	.		.
		CHSDA	35	4.1	2.8-5.9	2.3	1.78§	1.28-2.49	1.8
Female	ALL	38	4.0	2.8-5.6	2.3	1.74§	1.23-2.45	1.7	
TOTAL US	Both	CHSDA	114	2.0	1.7-2.5	1.2	1.67§	1.37-2.03	0.8
		ALL	146	1.4	1.2-1.7	1.2	1.17§	1.01-1.34	0.2
	Male	CHSDA	0	0.0	0.0-0.4	0.0	.		.
		ALL	0	0.0	0.0-0.2	0.0	.		.
		CHSDA	114	3.7	3.1-4.5	2.3	1.61§	1.30-1.99	1.4
Female	ALL	146	2.6	2.2-3.1	2.3	1.13	0.97-1.31	0.3	

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Ovary, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	7	1.8	0.7-4.5	5.3	0.34§	0.16-0.73	-3.5
	Male	ALL	0	0.0	0.0-8.1	0.0	.		.
	Female	ALL	7	3.5	1.4-8.4	9.4	0.37§	0.17-0.82	-5.9
EAST	Both	CHSDA	6	2.3	0.8-5.3	5.3	0.43	0.19-1.02	-3.0
		ALL	43	2.1	1.5-2.8	5.3	0.40§	0.30-0.52	-3.2
	Male	CHSDA	0	0.0	0.0-5.4	0.0	.		.
		ALL	0	0.0	0.0-0.9	0.0	.		.
	Female	CHSDA	6	4.0	1.4-9.1	9.4	0.43§	0.18-0.98	-5.4
ALL		43	3.7	2.6-5.1	9.4	0.39§	0.29-0.54	-5.7	
NORTHERN PLAINS	Both	CHSDA	30	4.8	3.1-7.1	5.3	0.91	0.63-1.31	-0.5
		ALL	36	3.4	2.3-5.0	5.3	0.64§	0.45-0.91	-1.9
	Male	CHSDA	0	0.0	0.0-3.8	0.0	.		.
		ALL	0	0.0	0.0-2.2	0.0	.		.
	Female	CHSDA	30	8.4	5.5-12.3	9.4	0.89	0.62-1.30	-1.0
ALL		36	6.0	4.1-8.6	9.4	0.64§	0.45-0.91	-3.4	
PACIFIC COAST	Both	CHSDA	37	3.6	2.5-5.3	5.3	0.68§	0.46-0.99	-1.7
		ALL	47	2.8	2.0-3.8	5.3	0.53§	0.40-0.70	-2.5
	Male	CHSDA	0	0.0	0.0-2.0	0.0	.		.
		ALL	0	0.0	0.0-1.1	0.0	.		.
	Female	CHSDA	37	6.6	4.5-9.3	9.4	0.70§	0.51-0.97	-2.8
ALL		47	5.0	3.6-6.8	9.4	0.53§	0.39-0.73	-4.4	
SOUTHERN PLAINS	Both	CHSDA	29	3.0	2.0-4.4	5.3	0.57§	0.38-0.84	-2.3
		ALL	34	2.6	1.8-3.7	5.3	0.49§	0.34-0.72	-2.7
	Male	CHSDA	0	0.0	0.0-1.8	0.0	.		.
		ALL	0	0.0	0.0-1.3	0.0	.		.
	Female	CHSDA	29	5.2	3.4-7.5	9.4	0.55§	0.38-0.81	-4.2
ALL		34	4.5	3.1-6.3	9.4	0.48§	0.34-0.68	-4.9	
SOUTHWEST	Both	CHSDA	68	4.9	3.8-6.4	5.3	0.92	0.73-1.18	-0.4
		ALL	70	4.5	3.4-5.8	5.3	0.85	0.65-1.10	-0.8
	Male	CHSDA	0	0.0	0.0-1.1	0.0	.		.
		ALL	0	0.0	0.0-1.0	0.0	.		.
	Female	CHSDA	68	8.7	6.7-11.2	9.4	0.93	0.72-1.19	-0.7
ALL		70	8.0	6.2-10.2	9.4	0.85	0.67-1.09	-1.4	
TOTAL US	Both	CHSDA	177	3.8	3.3-4.5	5.3	0.72§	0.61-0.84	-1.5
		ALL	237	2.9	2.6-3.4	5.3	0.55§	0.48-0.63	-2.4
	Male	CHSDA	0	0.0	0.0-0.4	0.0	.		.
		ALL	0	0.0	0.0-0.2	0.0	.		.
	Female	CHSDA	177	6.8	5.8-8.0	9.4	0.72§	0.63-0.84	-2.6
ALL		237	5.2	4.5-6.0	9.4	0.55§	0.48-0.64	-4.2	

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‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Prostate, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)‡ and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	14	7.7	4.1-13.1	10.0	0.77	0.45-1.31	-2.3
	Male	ALL	14	23.5	12.3-41.2	26.8	0.88	0.50-1.53	-3.3
	Female	ALL	0	0.0	0.0-3.7	0.0	.		.
EAST	Both	CHSDA	15	6.3	3.5-10.7	10.0	0.63	0.37-1.07	-3.7
		ALL	103	6.3	5.1-7.7	10.0	0.63§	0.52-0.76	-3.7
	Male	CHSDA	15	16.1	8.8-27.7	26.8	0.60	0.36-1.01	-10.7
		ALL	103	16.3	13.2-20.1	26.8	0.61§	0.50-0.75	-10.5
	Female	CHSDA	0	0.0	0.0-2.9	0.0	.		.
		ALL	0	0.0	0.0-0.4	0.0	.		.
NORTHERN PLAINS	Both	CHSDA	69	15.3	11.8-19.6	10.0	1.53§	1.20-1.95	5.3
		ALL	84	11.3	8.9-14.1	10.0	1.13	0.90-1.42	1.3
	Male	CHSDA	69	41.6	31.6-54.2	26.8	1.55§	1.20-2.01	14.8
		ALL	84	31.2	24.4-39.5	26.8	1.16	0.92-1.47	4.4
	Female	CHSDA	0	0.0	0.0-1.5	0.0	.		.
		ALL	0	0.0	0.0-1.0	0.0	.		.
PACIFIC COAST	Both	CHSDA	44	6.1	4.4-8.4	10.0	0.61§	0.44-0.84	-3.9
		ALL	66	5.1	3.9-6.6	10.0	0.51§	0.39-0.67	-4.9
	Male	CHSDA	44	15.3	10.9-21.2	26.8	0.57§	0.41-0.79	-11.5
		ALL	66	12.8	9.7-16.6	26.8	0.48§	0.37-0.62	-14.0
	Female	CHSDA	0	0.0	0.0-1.1	0.0	.		.
		ALL	0	0.0	0.0-0.6	0.0	.		.
SOUTHERN PLAINS	Both	CHSDA	69	7.9	6.1-10.0	10.0	0.79	0.62-1.01	-2.1
		ALL	79	6.6	5.2-8.2	10.0	0.66§	0.52-0.84	-3.4
	Male	CHSDA	69	21.7	16.6-28.0	26.8	0.81	0.63-1.04	-5.1
		ALL	79	17.5	13.6-22.3	26.8	0.65§	0.52-0.83	-9.3
	Female	CHSDA	0	0.0	0.0-0.7	0.0	.		.
		ALL	0	0.0	0.0-0.6	0.0	.		.
SOUTHWEST	Both	CHSDA	82	7.8	6.1-9.7	10.0	0.78§	0.62-0.98	-2.2
		ALL	86	7.4	5.9-9.2	10.0	0.74§	0.60-0.91	-2.6
	Male	CHSDA	82	19.2	15.2-24.1	26.8	0.72§	0.57-0.90	-7.6
		ALL	86	18.4	14.6-22.9	26.8	0.69§	0.55-0.85	-8.4
	Female	CHSDA	0	0.0	0.0-0.7	0.0	.		.
		ALL	0	0.0	0.0-0.6	0.0	.		.
TOTAL US	Both	CHSDA	293	8.3	7.4-9.3	10.0	0.83§	0.74-0.93	-1.7
		ALL	432	7.0	6.3-7.7	10.0	0.70§	0.64-0.76	-3.0
	Male	CHSDA	293	21.5	19.0-24.3	26.8	0.80§	0.71-0.90	-5.3
		ALL	432	18.0	16.3-19.9	26.8	0.67§	0.61-0.74	-8.8
	Female	CHSDA	0	0.0	0.0-0.2	0.0	.		.
		ALL	0	0.0	0.0-0.1	0.0	.		.

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Kidney and Renal Pelvis, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)† and Non-Hispanic Whites††(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	23	9.0	5.6-14.1	4.3	2.09§	1.35-3.24	4.7
	Male	ALL	17	14.9	8.1-27.2	6.2	2.40§	1.42-4.07	8.7
	Female	ALL	6	4.3	1.5-10.0	2.8	1.54	0.68-3.49	1.5
EAST	Both	CHSDA	13	4.5	2.3-8.1	4.3	1.05	0.59-1.84	0.2
		ALL	49	2.3	1.7-3.1	4.3	0.53§	0.41-0.69	-2.0
	Male	CHSDA	7	5.4	2.0-13.0	6.2	0.87	0.39-1.94	-0.8
		ALL	29	2.8	1.8-4.3	6.2	0.45§	0.30-0.69	-3.4
	Female	CHSDA	6	3.7	1.3-8.5	2.8	1.32	0.60-2.93	0.9
		ALL	20	1.8	1.1-2.8	2.8	0.64§	0.42-0.99	-1.0
NORTHERN PLAINS	Both	CHSDA	55	7.9	5.9-10.6	4.3	1.84§	1.40-2.41	3.6
		ALL	74	6.4	4.9-8.3	4.3	1.49§	1.16-1.90	2.1
	Male	CHSDA	36	11.3	7.8-17.1	6.2	1.82§	1.29-2.58	5.1
		ALL	49	9.1	6.6-13.0	6.2	1.47§	1.09-1.98	2.9
	Female	CHSDA	19	4.9	2.9-8.1	2.8	1.75§	1.08-2.83	2.1
		ALL	25	4.1	2.6-6.3	2.8	1.46	0.95-2.25	1.3
PACIFIC COAST	Both	CHSDA	35	3.9	2.6-5.6	4.3	0.91	0.64-1.29	-0.4
		ALL	54	3.2	2.3-4.3	4.3	0.74	0.55-1.01	-1.1
	Male	CHSDA	21	5.5	3.2-9.2	6.2	0.89	0.54-1.46	-0.7
		ALL	34	4.6	3.0-6.9	6.2	0.74	0.51-1.09	-1.6
	Female	CHSDA	14	2.7	1.4-4.8	2.8	0.96	0.54-1.72	-0.1
		ALL	20	2.1	1.3-3.4	2.8	0.75	0.47-1.20	-0.7
SOUTHERN PLAINS	Both	CHSDA	82	7.4	5.8-9.3	4.3	1.72§	1.39-2.13	3.1
		ALL	87	5.4	4.3-6.8	4.3	1.26§	1.01-1.56	1.1
	Male	CHSDA	55	10.8	8.0-14.6	6.2	1.74§	1.33-2.29	4.6
		ALL	59	7.9	5.9-10.7	6.2	1.27	0.97-1.67	1.7
	Female	CHSDA	27	4.4	2.9-6.5	2.8	1.57§	1.05-2.35	1.6
		ALL	28	3.2	2.1-4.7	2.8	1.14	0.79-1.65	0.4
SOUTHWEST	Both	CHSDA	112	8.3	6.8-10.1	4.3	1.93§	1.60-2.33	4.0
		ALL	119	7.9	6.5-9.6	4.3	1.84§	1.51-2.24	3.6
	Male	CHSDA	66	11.1	8.4-14.5	6.2	1.79§	1.40-2.29	4.9
		ALL	70	10.5	8.0-13.6	6.2	1.69§	1.33-2.16	4.3
	Female	CHSDA	46	6.1	4.4-8.2	2.8	2.18§	1.63-2.91	3.3
		ALL	49	5.9	4.3-7.9	2.8	2.11§	1.56-2.84	3.1
TOTAL US	Both	CHSDA	320	6.8	6.1-7.7	4.3	1.58§	1.41-1.77	2.5
		ALL	406	4.9	4.4-5.4	4.3	1.14§	1.01-1.28	0.6
	Male	CHSDA	202	9.7	8.3-11.3	6.2	1.56§	1.36-1.80	3.5
		ALL	258	6.8	5.9-7.8	6.2	1.10	0.95-1.27	0.6
	Female	CHSDA	118	4.5	3.7-5.5	2.8	1.61§	1.35-1.91	1.7
		ALL	148	3.3	2.7-3.9	2.8	1.18	0.99-1.41	0.5

* Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population (19 age groups - Census p25-1130) for 1999-2003.
† Regions defined as: Alaska = AK; East = AL,AR,CT,DE,FL,GA,KY,LA,ME,MD,MA,MS,MO,NH,NJ,NY,NC,OH,PA,RI,SC,TN,VT,VA,WV,DC; Northern Plains = IL,IN,IA,MI,MN,MT,NE,ND,SD,WI,WY; Southern Plains = KS,OK,TX; Pacific Coast = CA,ID,OR,WA,HI; Southwest = AZ,CO,NV,NM,UT
‡ AI/AN race as reported by NCHS.
§ Rate ratio is statistically different (p<0.05).
|| All counties in Alaska are CHSDA counties, so rates and rate ratios for CHSDA counties are the same as All counties in Alaska.
** CHSDA: Indian Health Service Contract Health Service Delivery Area counties. CHSDA coverage: Alaska=100%; East=15.1%; Northern Plains=58.9%; Southern Plains=65.7%; Pacific Coast=55.2%; Southwest=87.1%
†† Data excluded for North Dakota because data on Hispanic and Non-Hispanic mortality may be unreliable for 1999-2003.

Cancer Mortality Among AI/AN 1999-2003

Miscellaneous Malignant Cancer, Cancer Mortality Counts, Rates*, Rate Ratios, and Rate Differences by IHS Region, American Indians/Alaska Natives (AI/AN)† and Non-Hispanic Whites‡(NHW), United States, 1999-2003

Region†	Sex	Counties Included**	AI/AN Count	AI/AN Rate*	95% CI for AI/AN Rate	NHW Rate*	Rate Ratio§ (AI/AN:NHW)	95% CI for Rate Ratio	Rate Difference (AI/AN-NHW)
Alaska	Both	ALL	79	30.1	23.4-38.4	15.5	1.94§	1.54-2.45	14.6
	Male	ALL	45	38.0	26.3-54.7	19.5	1.95§	1.39-2.73	18.5
	Female	ALL	34	23.6	16.1-33.8	12.7	1.86§	1.31-2.63	10.9
EAST	Both	CHSDA	27	10.0	6.4-14.9	15.5	0.65§	0.44-0.95	-5.5
		ALL	166	8.2	6.9-9.6	15.5	0.53§	0.45-0.63	-7.3
	Male	CHSDA	10	8.2	3.7-16.9	19.5	0.42§	0.22-0.82	-11.3
		ALL	84	9.0	7.0-11.5	19.5	0.46§	0.36-0.59	-10.5
	Female	CHSDA	17	11.3	6.5-18.5	12.7	0.89	0.55-1.45	-1.4
	ALL	82	7.4	5.9-9.3	12.7	0.58§	0.47-0.72	-5.3	
NORTHERN PLAINS	Both	CHSDA	134	22.8	18.8-27.5	15.5	1.47§	1.23-1.76	7.3
		ALL	182	18.1	15.4-21.3	15.5	1.17	0.99-1.37	2.6
	Male	CHSDA	71	27.0	20.3-36.0	19.5	1.38§	1.06-1.81	7.5
		ALL	98	21.7	16.9-27.8	19.5	1.11	0.88-1.41	2.2
	Female	CHSDA	63	19.6	14.8-25.4	12.7	1.54§	1.19-2.00	6.9
	ALL	84	15.5	12.2-19.5	12.7	1.22	0.97-1.53	2.8	
PACIFIC COAST	Both	CHSDA	94	10.7	8.5-13.3	15.5	0.69§	0.55-0.86	-4.8
		ALL	138	8.9	7.3-10.6	15.5	0.57§	0.48-0.68	-6.6
	Male	CHSDA	49	12.4	8.8-17.4	19.5	0.64§	0.46-0.87	-7.1
		ALL	69	9.8	7.4-13.0	19.5	0.50§	0.39-0.65	-9.7
	Female	CHSDA	45	9.3	6.7-12.7	12.7	0.73	0.53-1.00	-3.4
	ALL	69	8.0	6.2-10.3	12.7	0.63§	0.49-0.80	-4.7	
SOUTHERN PLAINS	Both	CHSDA	146	14.4	12.1-17.1	15.5	0.93	0.79-1.09	-1.1
		ALL	164	11.4	9.7-13.5	15.5	0.74§	0.63-0.86	-4.1
	Male	CHSDA	81	19.1	14.8-24.5	19.5	0.98	0.77-1.24	-0.4
		ALL	90	14.7	11.5-18.7	19.5	0.75§	0.60-0.95	-4.8
	Female	CHSDA	65	11.3	8.7-14.5	12.7	0.89	0.70-1.13	-1.4
	ALL	74	9.2	7.2-11.6	12.7	0.72§	0.57-0.92	-3.5	
SOUTHWEST	Both	CHSDA	194	15.2	13.0-17.6	15.5	0.98	0.85-1.13	-0.3
		ALL	205	14.3	12.3-16.5	15.5	0.92	0.80-1.06	-1.2
	Male	CHSDA	91	16.0	12.7-20.1	19.5	0.82	0.66-1.02	-3.5
		ALL	100	15.6	12.5-19.3	19.5	0.80§	0.65-0.99	-3.9
	Female	CHSDA	103	14.3	11.6-17.6	12.7	1.13	0.92-1.38	1.6
	ALL	105	13.1	10.6-16.0	12.7	1.03	0.85-1.25	0.4	
TOTAL US	Both	CHSDA	674	15.6	14.4-16.9	15.5	1.01	0.93-1.09	0.1
		ALL	934	12.0	11.2-12.9	15.5	0.77§	0.73-0.83	-3.5
	Male	CHSDA	347	18.1	16.1-20.4	19.5	0.93	0.82-1.05	-1.4
		ALL	486	14.0	12.6-15.5	19.5	0.72§	0.65-0.79	-5.5
	Female	CHSDA	327	13.6	12.1-15.2	12.7	1.07	0.95-1.20	0.9
	ALL	448	10.5	9.5-11.5	12.7	0.83§	0.75-0.91	-2.2	

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