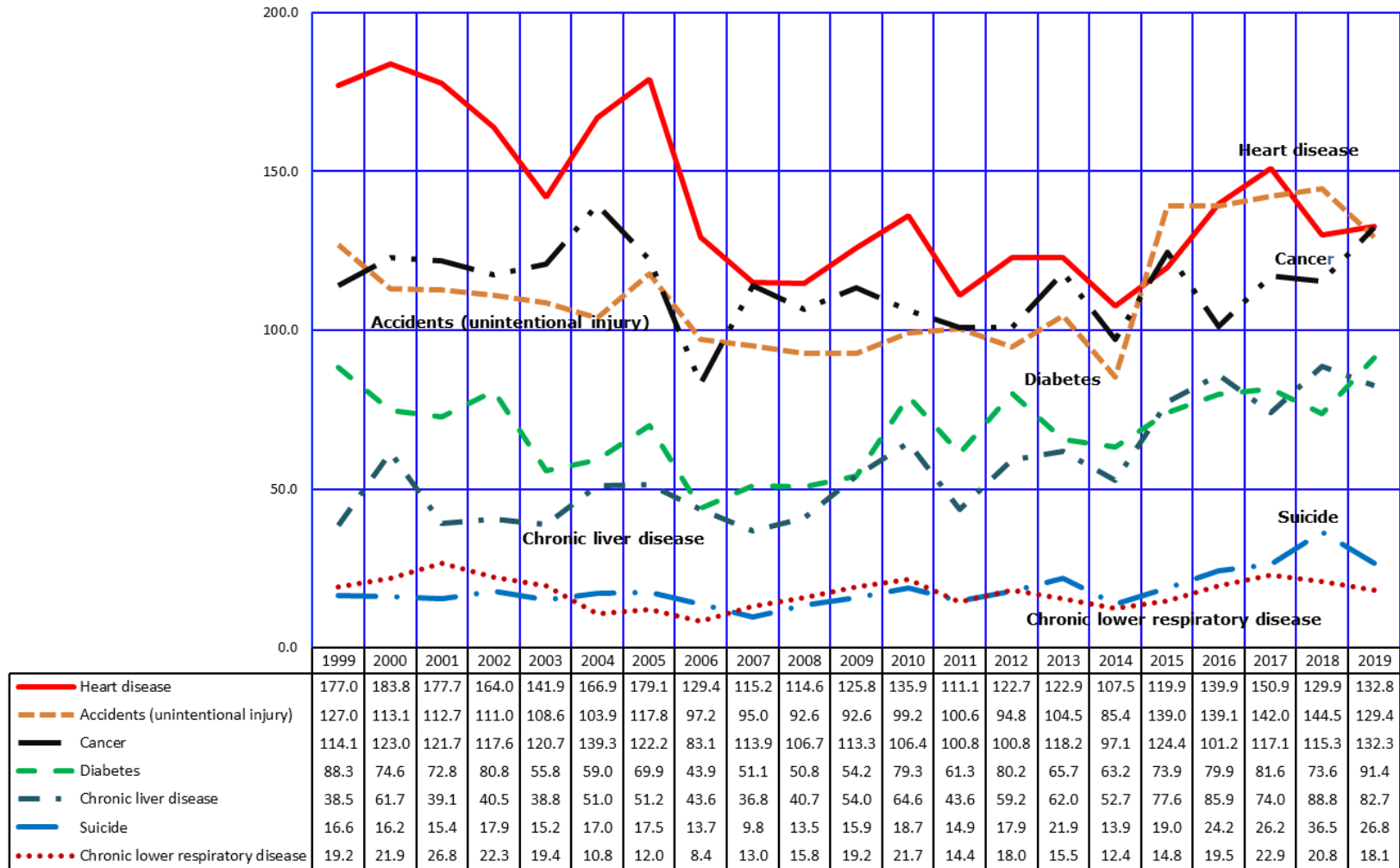




## **COMPARATIVE CAUSE-SPECIFIC MORTALITY**

**5.13**  
**Temporal Changes<sup>a</sup> in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1999-2019**



Notes: <sup>a</sup> Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

**5.14**  
**Five Leading Causes of Death<sup>a</sup> by Gender among American Indian  
 Residents of Arizona in 2019**

<b>Rank</b>	<b>Female</b>	<b>Both</b>	<b>Male</b>
<b>1</b>	<b>Cancer 112.5</b>	<b>Diseases of heart 132.8</b>	<b>Accidents (unintentional injury) 183.3</b>
<b>2</b>	<b>Diseases of heart 100.6</b>	<b>Cancer 132.3</b>	<b>Diseases of heart 176.0</b>
<b>3</b>	<b>Accidents (unintentional injury) 81.6</b>	<b>Accidents (unintentional injury) 129.4</b>	<b>Cancer 162.6</b>
<b>4</b>	<b>Diabetes 78.5</b>	<b>Diabetes 91.4</b>	<b>Diabetes 106.3</b>
<b>5</b>	<b>Chronic liver disease and cirrhosis 68.8</b>	<b>Chronic liver disease and cirrhosis 82.7</b>	<b>Chronic liver disease and cirrhosis 98.2</b>

Notes: <sup>a</sup> Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.  
 Source: Table 2B-4 in the "Arizona Health Status and Vital Statistics 2019" report.

**5.15**  
**Five Leading Causes of Death<sup>a</sup> among American Indians by Gender and Residence**  
**On or Off Reservation, Arizona, 2019**

<b>Rank</b>	<b>Female, resided on reservation</b>	<b>Female, resided off reservation</b>	<b>Male, resided on reservation</b>	<b>Male, resided off reservation</b>
<b>1</b>	<b>Cancer 12.3</b>	<b>Cancer 15.9</b>	<b>Accidents (unintentional injury) 16.0</b>	<b>Accidents (unintentional injury) 16.9</b>
<b>2</b>	<b>Diseases of heart 11.1</b>	<b>Diseases of heart 12.8</b>	<b>Diseases of heart 10.9</b>	<b>Cancer 13.9</b>
<b>3</b>	<b>Diabetes 10.1</b>	<b>Accidents (unintentional injury) 12.0</b>	<b>Cancer 10.4</b>	<b>Diseases of heart 13.0</b>
<b>4</b>	<b>Accidents (unintentional injury) 9.2</b>	<b>Chronic liver disease and cirrhosis 8.0</b>	<b>Diabetes 9.6</b>	<b>Chronic liver disease and cirrhosis 10.3</b>
<b>5</b>	<b>Chronic liver disease and cirrhosis 9.2</b>	<b>Diabetes 7.8</b>	<b>Chronic liver disease and cirrhosis 7.2</b>	<b>Diabetes 5.9</b>

Note: <sup>a</sup> Percent of total deaths in specified group.

**5.16**  
**Proportional Mortality<sup>a</sup> by Type of Cancer and Gender among American Indians and all Residents of Arizona, 2009-2019**

<b>Rank</b>	<b>Arizona male<sup>b</sup></b>	<b>American Indian male</b>	<b>Arizona female<sup>b</sup></b>	<b>American Indian female</b>
<b>1</b>	<b>Trachea, bronchus, lung</b> 23.9	<b>Liver</b> 13.7	<b>Trachea, bronchus, lung</b> 23.8	<b>Breast</b> 11.7
<b>2</b>	<b>Lymphoma</b> 10.8	<b>Prostate</b> 11.6	<b>Breast</b> 15.2	<b>Lymphoma</b> 9.3
<b>3</b>	<b>Prostate</b> 10.2	<b>Colon, rectum, anus</b> 10.3	<b>Lymphoma</b> 9.0	<b>Liver</b> 9.2
<b>4</b>	<b>Colon, rectum, anus</b> 9.1	<b>Lymphoma</b> 9.7	<b>Colon, rectum, anus</b> 8.9	<b>Colon, rectum, anus</b> 8.6
<b>5</b>	<b>Pancreas</b> 7.1	<b>Kidney</b> 8.0	<b>Pancreas</b> 7.5	<b>Ovary</b> 7.9
<b>6</b>	<b>Liver</b> 5.6	<b>Trachea, bronchus, lung</b> 7.8	<b>Ovary</b> 5.7	<b>Pancreas</b> 7.6
<b>7</b>	<b>Leukemia</b> 4.6	<b>Stomach</b> 7.2	<b>Leukemia</b> 3.7	<b>Trachea, bronchus, lung</b> 7.2
<b>8</b>	<b>Esophagus</b> 4.1	<b>Pancreas</b> 6.5	<b>Liver</b> 3.3	<b>Corpus uteri and uterus</b> 5.4
<b>9</b>	<b>Bladder</b> 4.0	<b>Esophagus</b> 3.6	<b>Non-Hodgkin's lymphoma</b> 3.2	<b>Stomach</b> 4.7
<b>10</b>	<b>Non-Hodgkin's lymphoma</b> 3.7	<b>Leukemia</b> 3.5	<b>Corpus uteri and uterus</b> 3.1	<b>Kidney</b> 4.3

Notes: <sup>a</sup> Percent of cancer deaths in specified group in 2009-2019.  
<sup>b</sup> All race/ethnic groups combined.  
Source: Table 5-18 for percentages based on frequency counts.

**5.17**  
**Proportional Mortality<sup>a</sup> by Mechanism of Unintentional Injury and Gender among**  
**American Indians and all Residents of Arizona, 2009-2019**

<b>Rank</b>	<b>Arizona male<sup>b</sup></b>	<b>American Indian male</b>	<b>Arizona female<sup>b</sup></b>	<b>American Indian female</b>
<b>1</b>	<b>Poisoning by drugs</b> 31.3	<b>Motor vehicle-related</b> 40.0	<b>Falls</b> 38.2	<b>Motor vehicle-related</b> 45.6
<b>2</b>	<b>Motor vehicle accidents</b> 27.6	<b>Poisoning by gases</b> 17.0	<b>Poisoning by drugs</b> 27.3	<b>Poisoning by drugs</b> 15.0
<b>3</b>	<b>Falls</b> 20.5	<b>Poisoning by drugs</b> 13.7	<b>Motor vehicle-related</b> 19.4	<b>Falls</b> 13.8
<b>4</b>	<b>Poisoning by gases</b> 3.7	<b>Falls</b> 7.8	<b>Misadventures to patients</b> 2.2	<b>Poisoning by gases</b> 9.6
<b>5</b>	<b>Accidental drowning</b> 3.0	<b>Exposure to cold</b> 4.2	<b>Accidental drowning</b> 2.0	<b>Exposure to cold</b> 2.2
<b>6</b>	<b>Exposure to heat</b> 2.2	<b>Accidental drowning</b> 2.8	<b>Poisoning by gases</b> 1.9	<b>Accidental drowning</b> 2.0
<b>7</b>	<b>Misadventures to patients</b> 1.3	<b>Exposure to heat</b> 1.7	<b>Exposure to heat</b> 1.6	<b>Misadventures to patients</b> 2.0
<b>8</b>	<b>Choked on other objects</b> 1.3	<b>Mechanical suffocation</b> 1.6	<b>Choked on other objects</b> 1.5	<b>Exposure to heat</b> 1.9
<b>9</b>	<b>Fire, flames, smoke</b> 1.1	<b>Fire, flames, smoke</b> 1.4	<b>Choked on food</b> 1.2	<b>Fire, flames, smoke</b> 1.5
<b>10</b>	<b>Choked on food</b> 1.0	<b>Choked on other objects</b> 1.2	<b>Fire, flames, smoke</b> 1.1	<b>Mechanical suffocation</b> 1.5

Notes: <sup>a</sup> Percent of unintentional injury deaths in specified group in 2009-2019.  
<sup>b</sup> All race/ethnic groups combined.  
Source: Table 5-19 for percentages based on frequency counts.

**5.18**  
**COMPARISON OF MORTALITY BY SPECIFIC TYPE OF CANCER BY GENDER AMONG AMERICAN INDIANS AND**  
**ALL RESIDENTS<sup>a</sup> OF ARIZONA, 2009-2019**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Malignant neoplasms, total</b>	123,700	66,921	56,777	2,659	1,316	1,343
<b>Malignant neoplasm of lip, oral cavity and pharynx</b>	1,719	1,259	460	27	17	10
<b>Malignant neoplasm of esophagus</b>	3,368	2,722	646	70	48	22
<b>Malignant neoplasm of stomach</b>	2,283	1,349	934	158	95	63
<b>Malignant neoplasm of colon, rectum and anus</b>	11,114	6,067	5,046	252	136	116
<b>Malignant neoplasm of liver and intrahepatic bile ducts</b>	5,607	3,746	1,861	303	180	123
<b>Malignant neoplasm of pancreas</b>	9,011	4,767	4,244	188	86	102
<b>Malignant neoplasm of larynx</b>	668	535	133	10†	7	*
<b>Malignant neoplasm of trachea, bronchus and lung</b>	29,555	16,023	13,532	200	103	97
<b>Malignant melanoma of skin</b>	2,266	1,534	732	10†	7	*
<b>Malignant neoplasm of breast</b>	8,729	87	8,642	157	0	157
<b>Malignant neoplasm of cervix uteri</b>	844	0	844	33	0	33
<b>Malignant neoplasm of corpus uteri and uterus, part unspecified</b>	1,783	0	1,783	73	0	73
<b>Malignant neoplasm of ovary</b>	3,210	0	3,210	106	0	106
<b>Malignant neoplasm of prostate</b>	6,815	6,815	0	153	153	0
<b>Malignant neoplasm of kidney and renal pelvis</b>	3,172	2,144	1,028	163	105	58
<b>Malignant neoplasm of bladder</b>	3,584	2,684	899	20	13	7
<b>Malignant neoplasm of meninges, brain and other parts of central nervous system</b>	3,566	2,016	1,550	48	29	19
<b>Malignant neoplasm of lymphoid, hematopoietic and related tissue</b>	12,340	7,205	5,135	252	127	125
<b>Hodgkin's disease</b>	239	136	103	0†	*	*
<b>Non-Hodgkin's lymphoma</b>	4,309	2,468	1,841	79	42	37
<b>Leukemia</b>	5,159	3,059	2,100	90	46	44
<b>Multiple myeloma and immunoproliferative neoplasms</b>	2,611	1,528	1,083	79	37	42
<b>Other and unspecified malignant neoplasms of lymphoid tissue</b>	22	14	8	0	0	0
<b>All other and unspecified malignant neoplasms</b>	14,066	7,971	6,095	435	210	225

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> All racial/ethnic groups combined.

**5.19**  
**UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND**  
**ALL RESIDENTS<sup>a</sup> OF ARIZONA, 2009-2019**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Unintentional injury, total</b>	37,752	23,909	13,843	3,502	2,480	1,022
<b>Railway accidents</b>	91	77	14	33	27	6
<b>Motor vehicle accidents</b>	9,288	6,601	2,687	1,457	991	466
<b>Water transport accident</b>	40†	30	*	0†	*	0
<b>Accident involving aircraft</b>	136	110	26	0†	*	0
<b>Poisoning by drugs/medicaments</b>	11,273	7,488	3,785	492	339	153
<b>Poisoning by gases and vapors</b>	1,161	894	267	520	422	98
<b>Falls</b>	10,194	4,909	5,285	334	193	141
<b>Fire, flames, smoke</b>	412	262	150	49	34	15
<b>Excessive natural heat</b>	748	528	220	62	43	19
<b>Excessive natural cold</b>	236	182	54	125	103	22
<b>Contact with venomous snakes and lizards</b>	9	9	0	0†	*	0
<b>Contact with venomous spiders</b>	0†	0	*	0	0	0
<b>Contact with scorpions</b>	0†	*	0	0	0	0
<b>Contact with hornets, wasps, bees</b>	15	15	0	0†	*	0
<b>Bitten or struck by dog</b>	17	9	8	10†	*	*
<b>Lightning</b>	10†	9	*	0†	*	0
<b>Storms and floods</b>	17	10	7	0	0	0
<b>Accidental drowning and submersion</b>	988	718	270	90	70	20
<b>Choked on food</b>	399	233	166	20†	16	*
<b>Choked on other objects</b>	506	303	203	40	29	11
<b>Mechanical suffocation</b>	335	224	111	54	39	15
<b>Accidental discharge of firearms</b>	87	79	8	13	13	0
<b>Exposure to electric current</b>	46	46	0	0†	*	0
<b>Overexertion</b>	0†	*	*	0	0	0
<b>Adverse effects of drugs in therapeutic use</b>	88	34	54	10†	*	0
<b>Misadventures to patients during medical/surgical care</b>	618	315	303	33	13	20

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> All racial/ethnic groups combined.