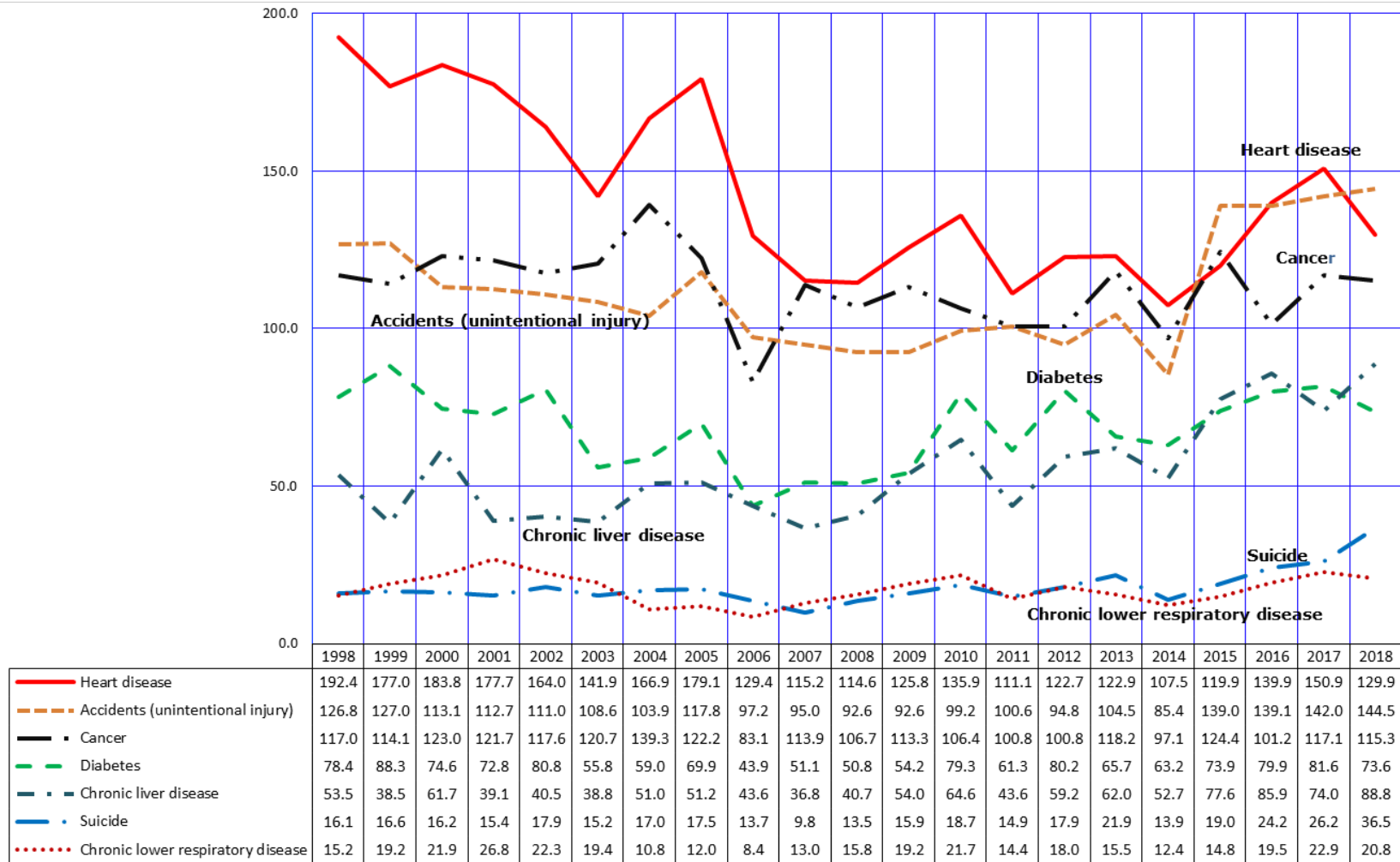




## **COMPARATIVE CAUSE-SPECIFIC MORTALITY**

### 5.13 Temporal Changes<sup>a</sup> in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1998-2018



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 2018**

<b>Rank</b>	<b>Female</b>	<b>Both</b>	<b>Male</b>
<b>1</b>	<b>Diseases of heart</b> 108.6	<b>Accidents (unintentional injury)</b> 144.5	<b>Accidents (unintentional injury)</b> 224.0
<b>2</b>	<b>Cancer</b> 92.6	<b>Diseases of heart</b> 129.9	<b>Diseases of heart</b> 156.0
<b>3</b>	<b>Chronic liver disease and cirrhosis</b> 77.1	<b>Cancer</b> 115.3	<b>Cancer</b> 149.6
<b>4</b>	<b>Accidents (unintentional injury)</b> 74.5	<b>Chronic liver disease and cirrhosis</b> 88.8	<b>Chronic liver disease and cirrhosis</b> 101.9
<b>5</b>	<b>Diabetes</b> 59.1	<b>Diabetes</b> 73.6	<b>Diabetes</b> 92.4

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 2018" report.

**5.15**  
**Five Leading Causes of Death<sup>a</sup> among American Indians by Gender and Residence**  
**On or Off Reservation, Arizona, 2018**

<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>Diseases of heart 11.4</b>	<b>Diseases of heart 13.5</b>	<b>Accidents (unintentional injury) 21.2</b>	<b>Accidents (unintentional injury) 19.3</b>
<b>2</b>	<b>Cancer 11.4</b>	<b>Cancer 12.0</b>	<b>Cancer 10.6</b>	<b>Diseases of heart 11.6</b>
<b>3</b>	<b>Accidents (unintentional injury) 10.3</b>	<b>Chronic liver disease and cirrhosis 10.6</b>	<b>Diseases of heart 10.0</b>	<b>Chronic liver disease and cirrhosis 10.1</b>
<b>4</b>	<b>Chronic liver disease and cirrhosis 8.9</b>	<b>Accidents (unintentional injury) 9.6</b>	<b>Intentional self-harm (suicide) 8.7</b>	<b>Cancer 9.5</b>
<b>5</b>	<b>Diabetes 6.8</b>	<b>Diabetes 8.2</b>	<b>Chronic liver disease and cirrhosis 7.5</b>	<b>Diabetes 8.1</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, 2008-2018**

<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 24.7</b>	<b>Liver 13.2</b>	<b>Trachea, bronchus, lung 24.3</b>	<b>Breast 11.4</b>
<b>2</b>	<b>Lymphoma 10.8</b>	<b>Prostate 11.8</b>	<b>Breast 15.2</b>	<b>Lymphoma 9.6</b>
<b>3</b>	<b>Prostate 10.1</b>	<b>Colon, rectum, anus 10.3</b>	<b>Lymphoma 9.1</b>	<b>Colon, rectum, anus 8.6</b>
<b>4</b>	<b>Colon, rectum, anus 9.0</b>	<b>Lymphoma 10.0</b>	<b>Colon, rectum, anus 9.0</b>	<b>Liver 8.5</b>
<b>5</b>	<b>Pancreas 7.0</b>	<b>Kidney 8.4</b>	<b>Pancreas 7.3</b>	<b>Ovary 8.0</b>
<b>6</b>	<b>Liver 5.4</b>	<b>Trachea, bronchus, lung 8.1</b>	<b>Ovary 5.7</b>	<b>Trachea, bronchus, lung 7.7</b>
<b>7</b>	<b>Leukemia 4.5</b>	<b>Stomach 7.6</b>	<b>Leukemia 3.6</b>	<b>Pancreas 7.5</b>
<b>8</b>	<b>Esophagus 4.1</b>	<b>Pancreas 6.2</b>	<b>Non-Hodgkin's lymphoma 3.4</b>	<b>Corpus uteri and uterus 4.8</b>
<b>9</b>	<b>Bladder 4.0</b>	<b>Leukemia 3.7</b>	<b>Liver 3.1</b>	<b>Stomach 4.6</b>
<b>10</b>	<b>Non-Hodgkin's lymphoma 3.7</b>	<b>Esophagus 3.6</b>	<b>Corpus uteri and uterus 3.0</b>	<b>Kidney 4.3</b>

Notes: <sup>a</sup> Percent of cancer deaths in specified group in 2008-2018.  
<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, 2008-2018**

<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> 29.5	<b>Motor vehicle-related</b> 41.5	<b>Falls</b> 38.2	<b>Motor vehicle-related</b> 48.5
<b>2</b>	<b>Motor vehicle accidents</b> 28.8	<b>Poisoning by gases</b> 16.6	<b>Poisoning by drugs</b> 26.7	<b>Falls</b> 13.3
<b>3</b>	<b>Falls</b> 20.7	<b>Poisoning by drugs</b> 12.5	<b>Motor vehicle-related</b> 19.8	<b>Poisoning by drugs</b> 12.9
<b>4</b>	<b>Poisoning by gases</b> 3.8	<b>Falls</b> 8.0	<b>Misadventures to patients</b> 2.0	<b>Poisoning by gases</b> 9.4
<b>5</b>	<b>Accidental drowning</b> 3.1	<b>Exposure to cold</b> 4.1	<b>Accidental drowning</b> 1.9	<b>Misadventures to patients</b> 2.0
<b>6</b>	<b>Exposure to heat</b> 2.1	<b>Accidental drowning</b> 2.8	<b>Poisoning by gases</b> 1.9	<b>Accidental drowning</b> 1.9
<b>7</b>	<b>Choked on other objects</b> 1.4	<b>Exposure to heat</b> 1.7	<b>Choked on other objects</b> 1.6	<b>Exposure to heat</b> 1.8
<b>8</b>	<b>Misadventures to patients</b> 1.2	<b>Mechanical suffocation</b> 1.5	<b>Exposure to heat</b> 1.5	<b>Exposure to cold</b> 1.8
<b>9</b>	<b>Fire, flames, smoke</b> 1.2	<b>Fire, flames, smoke</b> 1.4	<b>Choked on food</b> 1.3	<b>Mechanical suffocation</b> 1.7
<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>Fire, flames, smoke</b> 1.3

Notes: <sup>a</sup> Percent of unintentional injury deaths in specified group in 2008-2018.

<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, 2008-2018**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Malignant neoplasms, total</b>	121,164	65,548	55,614	2,548	1,254	1,294
<b>Malignant neoplasm of lip, oral cavity and pharynx</b>	1,683	1,219	464	25	18	7
<b>Malignant neoplasm of esophagus</b>	3,298	2,664	634	66	45	21
<b>Malignant neoplasm of stomach</b>	2,257	1,336	921	154	95	59
<b>Malignant neoplasm of colon, rectum and anus</b>	10,894	5,913	4,980	240	129	111
<b>Malignant neoplasm of liver and intrahepatic bile ducts</b>	5,283	3,540	1,743	275	165	110
<b>Malignant neoplasm of pancreas</b>	8,629	4,566	4,063	175	78	97
<b>Malignant neoplasm of larynx</b>	652	519	133	10†	*	*
<b>Malignant neoplasm of trachea, bronchus and lung</b>	29,681	16,186	13,495	202	102	100
<b>Malignant melanoma of skin</b>	2,228	1,516	712	10†	6	*
<b>Malignant neoplasm of breast</b>	8,552	84	8,468	150†	*	147
<b>Malignant neoplasm of cervix uteri</b>	820	0	820	37	0	37
<b>Malignant neoplasm of corpus uteri and uterus, part unspecified</b>	1,695	0	1,695	62	0	62
<b>Malignant neoplasm of ovary</b>	3,149	0	3,149	103	0	103
<b>Malignant neoplasm of prostate</b>	6,649	6,649	0	148	148	0
<b>Malignant neoplasm of kidney and renal pelvis</b>	3,111	2,096	1,015	160	105	55
<b>Malignant neoplasm of bladder</b>	3,480	2,609	870	21	13	8
<b>Malignant neoplasm of meninges, brain and other parts of central nervous system</b>	3,455	1,948	1,507	47	27	20
<b>Malignant neoplasm of lymphoid, hematopoietic and related tissue</b>	12,127	7,054	5,073	250	126	124
<b>Hodgkin's disease</b>	234	132	102	10†	*	*
<b>Non-Hodgkin's lymphoma</b>	4,333	2,446	1,887	75	37	38
<b>Leukemia</b>	4,989	2,965	2,024	88	46	42
<b>Multiple myeloma and immunoproliferative neoplasms</b>	2,556	1,501	1,055	82	40	42
<b>Other and unspecified malignant neoplasms of lymphoid tissue</b>	20†	10	*	0	0	0
<b>All other and unspecified malignant neoplasms</b>	13,521	7,652	5,869	416	190	226

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, 2008-2018**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Unintentional injury, total</b>	36,181	22,733	13,448	3,410	2,434	976
<b>Railway accidents</b>	90	77	13	30†	26	*
<b>Motor vehicle accidents</b>	9,209	6,541	2,668	1,484	1,011	473
<b>Water transport accident</b>	30†	29	*	0†	*	0
<b>Accident involving aircraft</b>	155	126	29	0†	*	0
<b>Poisoning by drugs/medicaments</b>	10,283	6,695	3,588	431	305	126
<b>Poisoning by gases and vapors</b>	1,120	867	253	496	404	92
<b>Falls</b>	9,833	4,697	5,136	324	194	130
<b>Fire, flames, smoke</b>	419	269	150	48	35	13
<b>Excessive natural heat</b>	665	467	198	60	42	18
<b>Excessive natural cold</b>	224	176	48	119	101	18
<b>Contact with venomous snakes and lizards</b>	10	10	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>	12	12	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>	16	9	7	0	0	0
<b>Accidental drowning and submersion</b>	966	709	257	86	67	19
<b>Choked on food</b>	396	226	170	20†	16	*
<b>Choked on other objects</b>	519	310	209	40	28	12
<b>Mechanical suffocation</b>	327	219	108	53	36	17
<b>Accidental discharge of firearms</b>	84	76	8	11	11	0
<b>Exposure to electric current</b>	49	49	0	0†	*	0
<b>Overexertion</b>	0†	*	*	0	0	0
<b>Adverse effects of drugs in therapeutic use</b>	88	33	55	10†	*	0
<b>Misadventures to patients during medical/surgical care</b>	550	280	270	32	12	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.