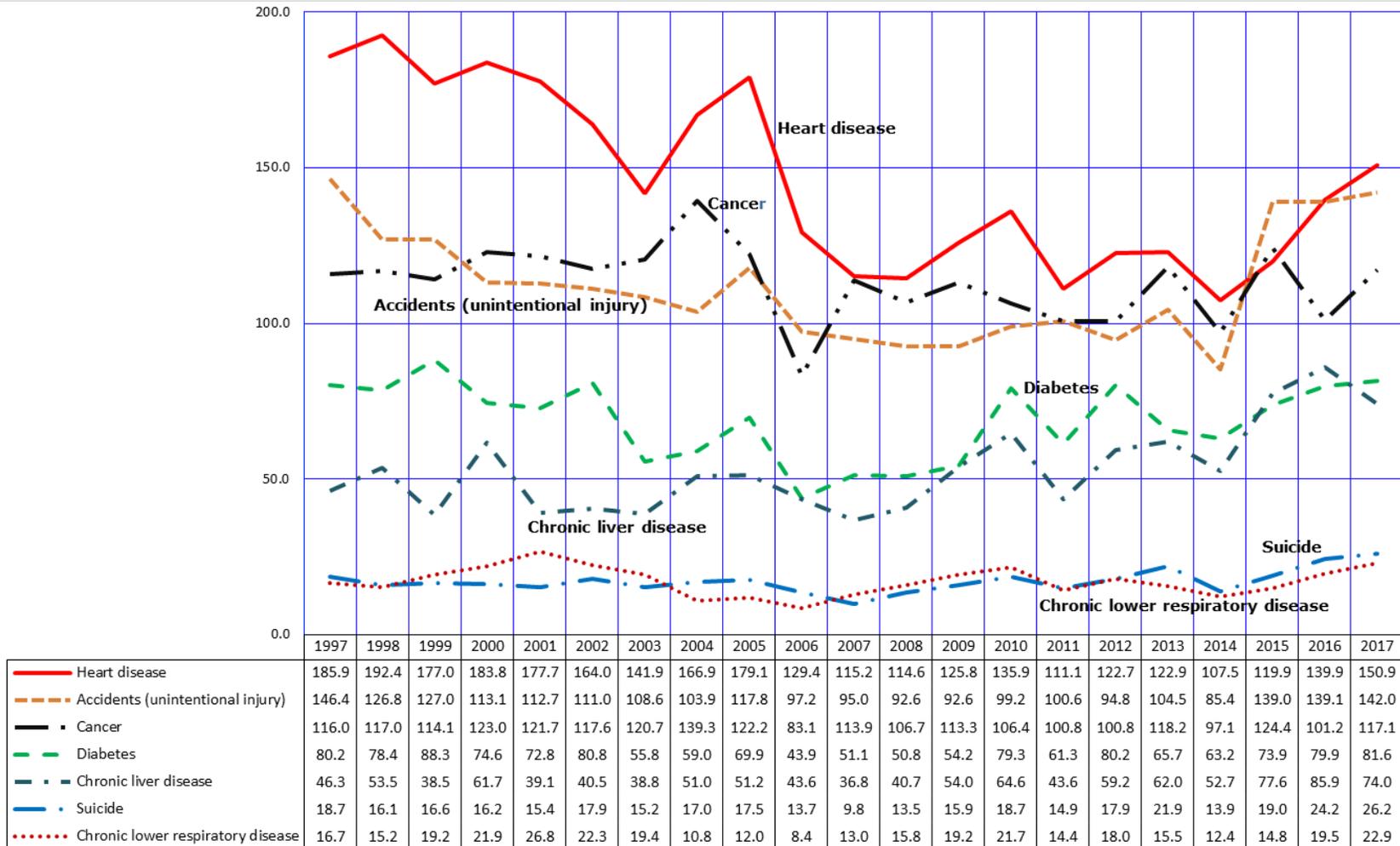


## **COMPARATIVE CAUSE-SPECIFIC MORTALITY**

### 5.13 Temporal Changes<sup>a</sup> in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1997-2017



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 2017**

<b>Rank</b>	<b>Female</b>	<b>Both</b>	<b>Male</b>
<b>1</b>	<b>Cancer 118.2</b>	<b>Diseases of heart 150.9</b>	<b>Diseases of heart 217.2</b>
<b>2</b>	<b>Diseases of heart 103.9</b>	<b>Accidents (unintentional injury) 142.0</b>	<b>Accidents (unintentional injury) 206.1</b>
<b>3</b>	<b>Accidents (unintentional injury) 88.1</b>	<b>Cancer 117.1</b>	<b>Cancer 114.6</b>
<b>4</b>	<b>Diabetes 64.8</b>	<b>Diabetes 81.6</b>	<b>Diabetes 101.9</b>
<b>5</b>	<b>Chronic liver disease and cirrhosis 63.7</b>	<b>Chronic liver disease and cirrhosis 74.0</b>	<b>Chronic liver disease and cirrhosis 85.4</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 2017" report.

**5.15**  
**Five Leading Causes of Death<sup>a</sup> among American Indians by Gender and Residence**  
**On or Off Reservation, Arizona, 2017**

<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</b> 12.9	<b>Cancer</b> 18.0	<b>Accidents (unintentional injury)</b> 20.9	<b>Accidents (unintentional injury)</b> 16.7
<b>2</b>	<b>Diseases of heart</b> 12.0	<b>Diseases of heart</b> 13.3	<b>Diseases of heart</b> 13.4	<b>Diseases of heart</b> 16.1
<b>3</b>	<b>Accidents (unintentional injury)</b> 11.2	<b>Accidents (unintentional injury)</b> 12.7	<b>Diabetes</b> 7.8	<b>Cancer</b> 10.2
<b>4</b>	<b>Diabetes</b> 9.8	<b>Chronic liver disease and cirrhosis</b> 9.8	<b>Cancer</b> 7.7	<b>Chronic liver disease and cirrhosis</b> 10.0
<b>5</b>	<b>Chronic liver disease and cirrhosis</b> 8.2	<b>Diabetes</b> 5.0	<b>Chronic liver disease and cirrhosis</b> 6.6	<b>Diabetes</b> 8.2

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, 2007-2017**

<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 25.2</b>	<b>Liver 13.1</b>	<b>Trachea, bronchus, lung 24.5</b>	<b>Breast 12.1</b>
<b>2</b>	<b>Lymphoma 10.7</b>	<b>Prostate 11.4</b>	<b>Breast 15.3</b>	<b>Lymphoma 9.4</b>
<b>3</b>	<b>Prostate 10.1</b>	<b>Colon, rectum, anus 10.2</b>	<b>Lymphoma 9.2</b>	<b>Ovary 8.5</b>
<b>4</b>	<b>Colon, rectum, anus 9.0</b>	<b>Lymphoma 10.0</b>	<b>Colon, rectum, anus 9.0</b>	<b>Colon, rectum, anus 8.4</b>
<b>5</b>	<b>Pancreas 6.9</b>	<b>Kidney 8.2</b>	<b>Pancreas 7.1</b>	<b>Trachea, bronchus, lung 8.1</b>
<b>6</b>	<b>Liver 5.3</b>	<b>Trachea, bronchus, lung 8.0</b>	<b>Ovary 5.8</b>	<b>Liver 7.7</b>
<b>7</b>	<b>Leukemia 4.5</b>	<b>Stomach 7.4</b>	<b>Leukemia 3.7</b>	<b>Pancreas 7.1</b>
<b>8</b>	<b>Esophagus 4.0</b>	<b>Pancreas 6.2</b>	<b>Non-Hodgkin's lymphoma 3.4</b>	<b>Stomach 4.8</b>
<b>9</b>	<b>Bladder 4.0</b>	<b>Esophagus 3.8</b>	<b>Liver 3.1</b>	<b>Corpus uteri and uterus 4.4</b>
<b>10</b>	<b>Non-Hodgkin's lymphoma 3.8</b>	<b>Leukemia 3.8</b>	<b>Corpus uteri and uterus 2.9</b>	<b>Kidney 4.1</b>

Notes: <sup>a</sup> Percent of cancer deaths in specified group in 2007-2017.  
<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, 2007-2017**

<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>Motor vehicle accidents</b> 29.8	<b>Motor vehicle-related</b> 42.7	<b>Falls</b> 37.7	<b>Motor vehicle-related</b> 49.7
<b>2</b>	<b>Poisoning by drugs</b> 28.0	<b>Poisoning by gases</b> 15.9	<b>Poisoning by drugs</b> 25.9	<b>Falls</b> 12.9
<b>3</b>	<b>Falls</b> 20.6	<b>Poisoning by drugs</b> 11.2	<b>Motor vehicle-related</b> 20.5	<b>Poisoning by drugs</b> 11.7
<b>4</b>	<b>Poisoning by gases</b> 3.7	<b>Falls</b> 7.8	<b>Accidental drowning</b> 1.9	<b>Poisoning by gases</b> 8.8
<b>5</b>	<b>Accidental drowning</b> 3.2	<b>Exposure to cold</b> 4.5	<b>Misadventures to patients</b> 1.9	<b>Exposure to cold</b> 2.1
<b>6</b>	<b>Exposure to heat</b> 1.9	<b>Accidental drowning</b> 2.9	<b>Poisoning by gases</b> 1.8	<b>Accidental drowning</b> 2.0
<b>7</b>	<b>Choked on other objects</b> 1.5	<b>Mechanical suffocation</b> 1.7	<b>Choked on other objects</b> 1.8	<b>Exposure to heat</b> 1.8
<b>8</b>	<b>Fire, flames, smoke</b> 1.2	<b>Exposure to heat</b> 1.6	<b>Exposure to heat</b> 1.4	<b>Mechanical suffocation</b> 1.8
<b>9</b>	<b>Misadventures to patients</b> 1.1	<b>Fire, flames, smoke</b> 1.5	<b>Choked on food</b> 1.2	<b>Misadventures to patients</b> 1.8
<b>10</b>	<b>Mechanical suffocation</b> 1.1	<b>Choked on other objects</b> 1.3	<b>Fire, flames, smoke</b> 1.2	<b>Fire, flames, smoke</b> 1.4

Notes: <sup>a</sup> Percent of unintentional injury deaths in specified group in 2007-2017.

<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, 2007-2017**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Malignant neoplasms, total</b>	119,023	64,239	54,783	2,498	1,219	1,279
<b>Malignant neoplasm of lip, oral cavity and pharynx</b>	1,651	1,183	468	28	19	9
<b>Malignant neoplasm of esophagus</b>	3,218	2,599	619	68	46	22
<b>Malignant neoplasm of stomach</b>	2,207	1,308	899	152	90	62
<b>Malignant neoplasm of colon, rectum and anus</b>	10,734	5,808	4,926	231	124	107
<b>Malignant neoplasm of liver and intrahepatic bile ducts</b>	5,060	3,378	1,682	259	160	99
<b>Malignant neoplasm of pancreas</b>	8,306	4,415	3,891	167	76	91
<b>Malignant neoplasm of larynx</b>	652	519	133	10†	*	*
<b>Malignant neoplasm of trachea, bronchus and lung</b>	29,615	16,194	13,421	201	98	103
<b>Malignant melanoma of skin</b>	2,207	1,490	717	10†	6	*
<b>Malignant neoplasm of breast</b>	8,461	80	8,381	160†	*	155
<b>Malignant neoplasm of cervix uteri</b>	804	0	804	37	0	37
<b>Malignant neoplasm of corpus uteri and uterus, part unspecified</b>	1,612	0	1,612	56	0	56
<b>Malignant neoplasm of ovary</b>	3,169	0	3,169	109	0	109
<b>Malignant neoplasm of prostate</b>	6,502	6,502	0	139	139	0
<b>Malignant neoplasm of kidney and renal pelvis</b>	2,991	1,993	998	152	100	52
<b>Malignant neoplasm of bladder</b>	3,392	2,539	852	20	14	6
<b>Malignant neoplasm of meninges, brain and other parts of central nervous system</b>	3,337	1,883	1,454	47	27	20
<b>Malignant neoplasm of lymphoid, hematopoietic and related tissue</b>	11,945	6,904	5,041	242	122	120
<b>Hodgkin's disease</b>	242	139	103	10†	*	*
<b>Non-Hodgkin's lymphoma</b>	4,297	2,411	1,886	74	35	39
<b>Leukemia</b>	4,924	2,909	2,015	89	46	43
<b>Multiple myeloma and immunoproliferative neoplasms</b>	2,472	1,438	1,034	74	38	36
<b>Other and unspecified malignant neoplasms of lymphoid tissue</b>	10†	7	*	0	0	0
<b>All other and unspecified malignant neoplasms</b>	13,158	7,447	5,711	416	191	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, 2007-2017**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Unintentional injury, total</b>	34,984	21,855	13,129	3,293	2,349	944
<b>Railway accidents</b>	95	81	14	30†	29	*
<b>Motor vehicle accidents</b>	9,212	6,522	2,690	1,471	1,002	469
<b>Water transport accident</b>	30†	23	*	0†	*	0
<b>Accident involving aircraft</b>	162	133	29	0†	*	0
<b>Poisoning by drugs/medicaments</b>	9,527	6,127	3,400	374	264	110
<b>Poisoning by gases and vapors</b>	1,052	810	242	457	374	83
<b>Falls</b>	9,463	4,507	4,956	305	183	122
<b>Fire, flames, smoke</b>	427	273	154	48	35	13
<b>Excessive natural heat</b>	597	408	189	54	37	17
<b>Excessive natural cold</b>	229	182	47	125	105	20
<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>	11	11	0	0	0	0
<b>Bitten or struck by dog</b>	19	10	9	10†	*	*
<b>Lightning</b>	10†	10	*	0†	*	0
<b>Storms and floods</b>	14	7	7	0	0	0
<b>Accidental drowning and submersion</b>	962	707	255	87	68	19
<b>Choked on food</b>	378	214	164	20†	19	*
<b>Choked on other objects</b>	551	320	231	44	31	13
<b>Mechanical suffocation</b>	345	231	114	58	41	17
<b>Accidental discharge of firearms</b>	87	79	8	10	10	0
<b>Exposure to electric current</b>	56	56	0	0†	*	0
<b>Overexertion</b>	0†	*	*	0	0	0
<b>Adverse effects of drugs in therapeutic use</b>	82	28	54	10†	*	0
<b>Misadventures to patients during medical/surgical care</b>	491	247	244	31	14	17

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.