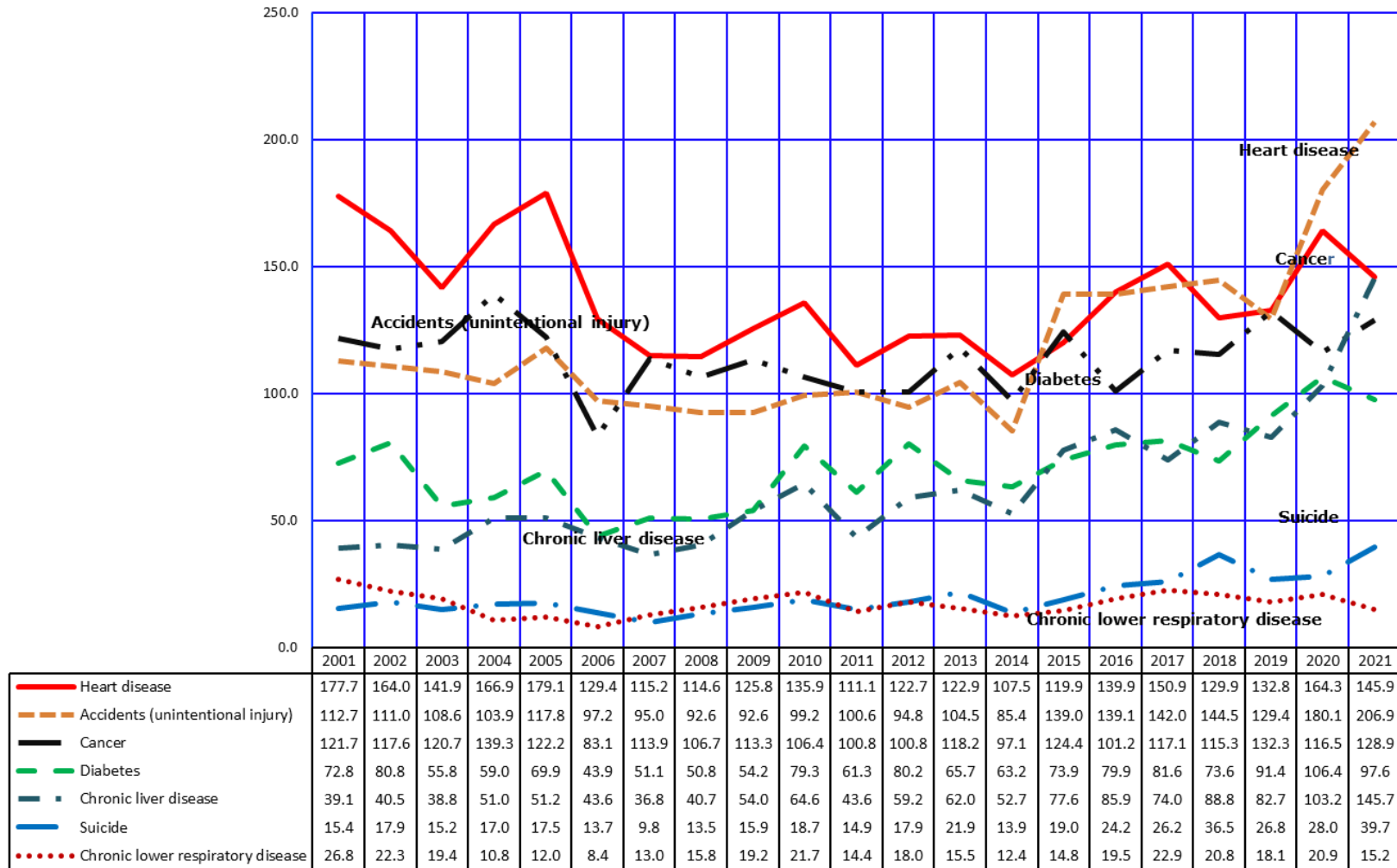




COMPARATIVE CAUSE-SPECIFIC MORTALITY

5.13
Temporal Changes^a in the Selected Leading Causes of Death among American Indian Residents of Arizona, 2001-2021



Notes: ^a 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^a by Gender among American Indian
Residents of Arizona in 2021**

Rank	Female	Both	Male
1	COVID-19 339.8	COVID-19 394.4	COVID-19 464.6
2	Chronic liver disease and cirrhosis 123.9	Accidents (unintentional injury) 206.9	Accidents (unintentional injury) 296.9
3	Accidents (unintentional injury) 123.8	Diseases of heart 145.9	Diseases of heart 208.5
4	Cancer 123.2	Chronic liver disease and cirrhosis 145.7	Chronic liver disease and cirrhosis 170.0
5	Diseases of heart 97.8	Cancer 128.9	Cancer 139.9

Notes: ^a 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 2021" report.

Leading causes of death rankings use the [National Vital Statistics System](#) method to make standard comparisons. This method excludes alcohol-induced death ICD-10 codes because they may overlap with other selected causes of death in the ranking method. To follow this standard method, alcohol-induced deaths are excluded from Figures 5.14-5.15.

5.15
Five Leading Causes of Death^a among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2021

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	COVID-19 23.4	COVID-19 28.9	COVID-19 19.5	COVID-19 24.0
2	Accidents (unintentional injury) 9.5	Accidents (unintentional injury) 9.8	Accidents (unintentional injury) 17.2	Cancer 14.7
3	Chronic liver disease and cirrhosis 9.5	Diseases of heart 8.8	Chronic liver disease and cirrhosis 8.7	Accidents (unintentional injury) 10.3
4	Diseases of heart 9.2	Chronic liver disease and cirrhosis 8.8	Cancer 7.9	Chronic liver disease and cirrhosis 9.2
5	Cancer 6.6	Cancer 7.1	Diseases of heart 5.9	Diseases of heart 6.0

Note: ^a Percent of total deaths in specified group.

Leading causes of death rankings use the [National Vital Statistics System](#) method to make standard comparisons. This method excludes alcohol-induced death ICD-10 codes because they may overlap with other selected causes of death in the ranking method. To follow this standard method, alcohol-induced deaths are excluded from Figures 5.14-5.15.

5.16
Proportional Mortality^a by Type of Cancer and Gender among American Indians and all Residents of Arizona, 2011-2021

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Trachea, bronchus, lung 22.7	Liver 13.7	Trachea, bronchus, lung 23.1	Breast 11.7
2	Lymphoma 10.8	Prostate 11.3	Breast 15.3	Liver 9.6
3	Prostate 10.5	Colon, rectum, anus 10.5	Lymphoma 9.0	Lymphoma 9.3
4	Colon, rectum, anus 9.1	Lymphoma 9.3	Colon, rectum, anus 8.9	Colon, rectum, anus 8.0
5	Pancreas 7.4	Kidney 8.3	Pancreas 7.6	Pancreas 8.0
6	Liver 5.8	Pancreas 7.9	Ovary 5.5	Ovary 7.7
7	Leukemia 4.6	Trachea, bronchus, lung 7.8	Leukemia 3.7	Trachea, bronchus, lung 6.9
8	Bladder 4.2	Stomach 7.6	Liver 3.4	Corpus uteri and uterus 5.6
9	Esophagus 4.1	Esophagus 3.5	Corpus uteri and uterus 3.4	Stomach 4.8
10	Non-Hodgkin's lymphoma 3.7	Non-Hodgkin's lymphoma 3.3	Non-Hodgkin's lymphoma 3.2	Kidney 4.8

Notes: ^a Percent of cancer deaths in specified group in 2011-2021.
^b All race/ethnic groups combined.
Source: Table 5-18 for percentages based on frequency counts.

5.17
Proportional Mortality^a by Mechanism of Unintentional Injury and Gender among
American Indians and all Residents of Arizona, 2011-2021

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Poisoning by drugs 35.8	Motor vehicle-related 35.9	Falls 36.7	Motor vehicle-related 41.9
2	Motor vehicle accidents 25.8	Poisoning by drugs 19.2	Poisoning by drugs 29.0	Poisoning by drugs 20.1
3	Falls 19.1	Poisoning by gases 17.7	Motor vehicle-related 19.3	Falls 12.6
4	Poisoning by gases 3.6	Falls 7.7	Misadventures to patients 2.5	Poisoning by gases 9.7
5	Exposure to heat 2.7	Exposure to cold 3.8	Exposure to heat 2.1	Exposure to cold 2.2
6	Accidental drowning 2.6	Accidental drowning 2.3	Poisoning by gases 2.0	Misadventures to patients 2.0
7	Misadventures to patients 1.4	Exposure to heat 2.0	Accidental drowning 1.9	Fire, flames, smoke 1.8
8	Choked on other objects 1.4	Mechanical suffocation 1.4	Choked on other objects 1.2	Exposure to heat 1.8
9	Fire, flames, smoke 1.0	Fire, flames, smoke 1.3	Fire, flames, smoke 1.2	Mechanical suffocation 1.5
10	Mechanical suffocation 0.8	Railway accidents 1.0	Choked on food 1.1	Accidental drowning 1.4

Notes: ^a Percent of unintentional injury deaths in specified group in 2011-2021.
^b 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^a OF ARIZONA, 2011-2021

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	128,612	69,498	59,113	2,824	1,379	1,445
Malignant neoplasm of lip, oral cavity and pharynx	1,902	1,393	509	25	17	8
Malignant neoplasm of esophagus	3,503	2,852	651	68	48	20
Malignant neoplasm of stomach	2,353	1,388	965	175	105	70
Malignant neoplasm of colon, rectum and anus	11,607	6,325	5,282	261	145	116
Malignant neoplasm of liver and intrahepatic bile ducts	6,061	4,029	2,032	327	189	138
Malignant neoplasm of pancreas	9,671	5,166	4,505	224	109	115
Malignant neoplasm of larynx	669	535	134	10†	6	*
Malignant neoplasm of trachea, bronchus and lung	29,397	15,763	13,634	207	107	100
Malignant melanoma of skin	2,279	1,529	750	20†	11	*
Malignant neoplasm of breast	9,147	94	9,053	169	0	169
Malignant neoplasm of cervix uteri	886	0	886	33	0	33
Malignant neoplasm of corpus uteri and uterus, part unspecified	1,982	0	1,982	81	0	81
Malignant neoplasm of ovary	3,257	0	3,257	111	0	111
Malignant neoplasm of prostate	7,289	7,289	0	156	156	0
Malignant neoplasm of kidney and renal pelvis	3,300	2,251	1,049	183	114	69
Malignant neoplasm of bladder	3,907	2,943	963	25	15	10
Malignant neoplasm of meninges, brain and other parts of central nervous system	3,808	2,168	1,640	49	26	23
Malignant neoplasm of lymphoid, hematopoietic and related tissue	12,805	7,508	5,297	263	128	135
Hodgkin's disease	243	142	101	10†	*	*
Non-Hodgkin's lymphoma	4,427	2,550	1,877	84	45	39
Leukemia	5,351	3,189	2,162	96	45	51
Multiple myeloma and immunoproliferative neoplasms	2,758	1,613	1,145	77	36	41
Other and unspecified malignant neoplasms of lymphoid tissue	26	14	12	0†	0	*
All other and unspecified malignant neoplasms	14,789	8,268	6,521	443	203	240

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; ^a All racial/ethnic groups combined.

5.19
UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS^a OF ARIZONA, 2011-2021

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Unintentional injury, total	43,353	28,052	15,301	4,047	2,838	1,209
Railway accidents	92	76	16	34	28	6
Motor vehicle accidents	10,200	7,247	2,953	1,526	1,020	506
Water transport accident	41	34	7	0†	*	0
Accident involving aircraft	137	114	23	0†	*	*
Poisoning by drugs/medicaments	14,490	10,050	4,440	787	544	243
Poisoning by gases and vapors	1,312	1,003	309	618	501	117
Falls	10,974	5,357	5,617	370	218	152
Fire, flames, smoke	461	285	176	58	36	22
Excessive natural heat	1,062	746	316	79	57	22
Excessive natural cold	246	188	58	134	107	27
Contact with venomous snakes and lizards	10	10	0	0†	*	0
Contact with venomous spiders	0†	0	*	0	0	0
Contact with scorpions	0†	*	*	0	0	0
Contact with hornets, wasps, bees	20†	20	*	0†	*	0
Bitten or struck by dog	19	9	10	10†	*	*
Lightning	10†	7	*	0†	*	0
Storms and floods	21	11	10	0†	*	0
Accidental drowning and submersion	1,017	723	294	81	64	17
Choked on food	397	231	166	20†	17	*
Choked on other objects	479	291	188	37	26	11
Mechanical suffocation	351	233	118	57	39	18
Accidental discharge of firearms	83	73	10	12	12	0
Exposure to electric current	45	45	0	0†	*	0
Overexertion	0†	0	*	0	0	0
Adverse effects of drugs in therapeutic use	97	40	57	10†	*	*
Misadventures to patients during medical/surgical care	778	398	380	46	22	24

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; ^a All racial/ethnic groups combined.