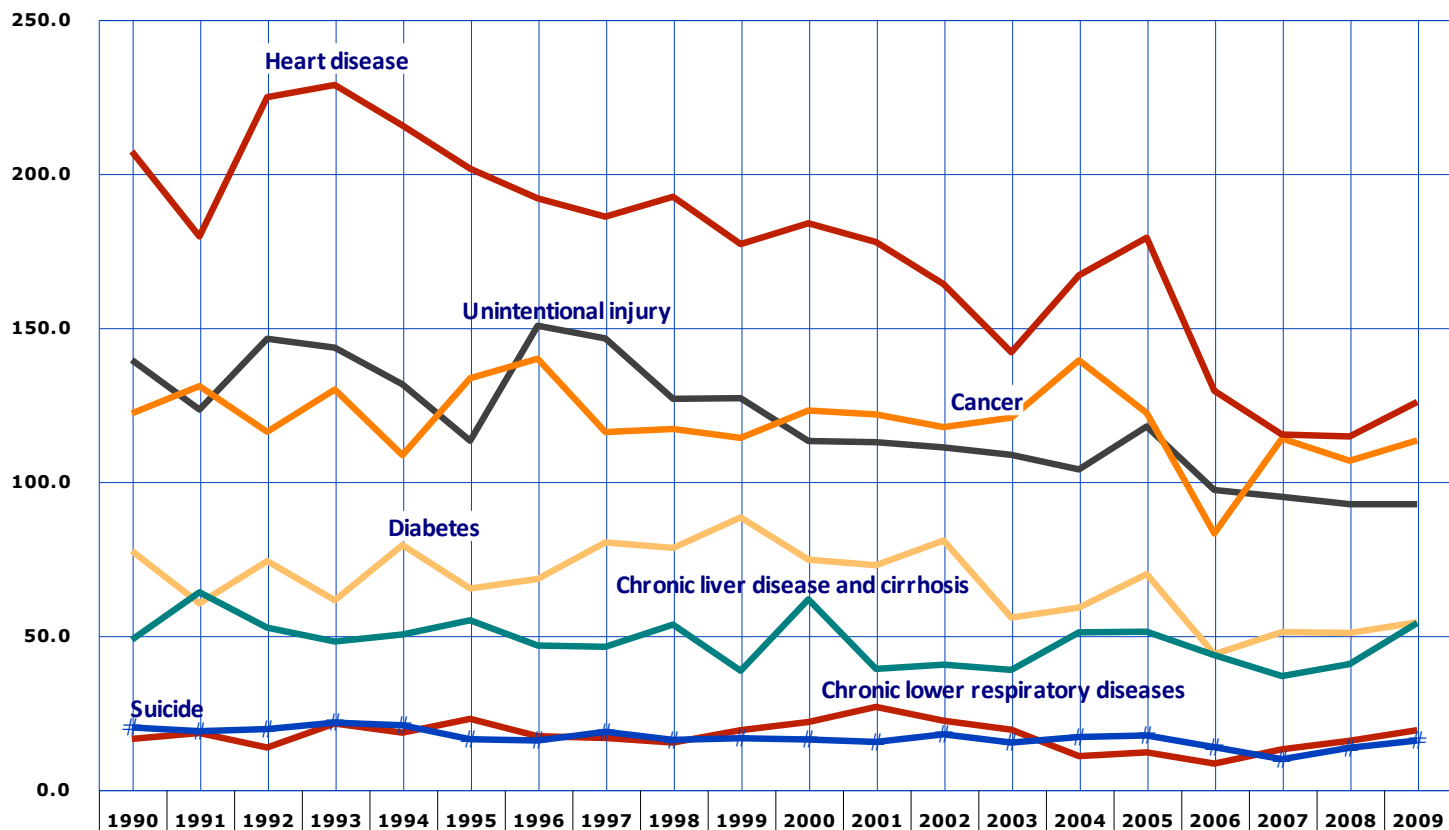


COMPARATIVE CAUSE-SPECIFIC MORTALITY

5.13
Temporal Changes* in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1990-2009



* Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard. See Table 2B-3 in the "Arizona Health Status and Vital Statistics 2009" report.

5.14
Five Leading Causes of Death* by Gender among American Indian
Residents of Arizona in 2009

Rank	Female	Both	Male
1	Cancer 103.5	Diseases of heart 125.8	Diseases of heart 156.1
2	Diseases of heart 100.5	Cancer 113.3	Unintentional injury 144.4
3	Diabetes 59.9	Unintentional injury 92.6	Cancer 127.5
4	Chronic liver disease and cirrhosis 49.9	Diabetes 54.2	Chronic liver disease and cirrhosis 57.9
5	Unintentional injury 46.4	Chronic liver disease and cirrhosis 54.0	Diabetes 46.6

* Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.
 See Table 2B-4 in the "Arizona Health Status and Vital Statistics 2009" report.

5.15
Five Leading Causes of Death among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2009

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	Cancer 13.6%	Cancer 16.8%	Unintentional injury 22.0%	Diseases of heart 16.7%
2	Diseases of heart 13.6%	Diseases of heart 12.4%	Diseases of heart 11.5%	Unintentional injury 16.4%
3	Unintentional injury 9.2%	Chronic liver disease and cirrhosis 10.7%	Cancer 9.2%	Cancer 15.1%
4	Diabetes 7.4%	Diabetes 7.9%	Chronic liver disease and cirrhosis 6.6%	Chronic liver disease and cirrhosis 8.8%
5	Chronic liver disease and cirrhosis 7.2%	Unintentional injury 6.9%	Diabetes 4.6%	Assault 4.2%

* Percent of total deaths in specified group.

5.16
Proportional Mortality* by Type of Cancer and Gender among American Indians and all Residents of Arizona, 1999-2009

Rank	Arizona male**	American Indian male	Arizona female**	American Indian female
1	Trachea, bronchus, lung 28.8%	Prostate 11.3%	Trachea, bronchus, lung 25.8%	Breast 13.2%
2	Prostate 10.7%	Lymphoma 10.5%	Breast 15.6%	Lymphoma 10.5
3	Lymphoma 9.8%	Trachea, bronchus, lung 9.1%	Colon, rectum, anus 9.6%	Trachea, bronchus, lung 8.4%
4	Colon, rectum, anus 9.4	Liver 9.0%	Lymphoma 8.7%	Ovary 7.4%
5	Pancreas 5.2%	Kidney 8.2%	Pancreas 5.4%	Colon, rectum, anus 6.1%
6	Liver 3.4%	Stomach 8.0%	Ovary 5.4%	Liver 5.6%
7	Esophagus 3.4%	Colon, rectum, anus 7.9%	Brain 2.2%	Stomach 5.2%
8	Bladder 3.1%	Pancreas 6.0%	Liver 2.1%	Pancreas 5.1%
9	Kidney 2.6%	Esophagus 3.7%	Uterus 1.9%	Cervix uteri 4.5%
10	Brain 2.4%	Brain 2.0%	Kidney 1.7%	Kidney 4.1%

*Percent of cancer deaths in specified group in 1999-2009.

**All race/ethnic groups combined.

***Lymphoma = Malignant neoplasm of lymphoid, hematopoietic and related tissue including:

Hodgkin's disease,

Non-Hodgkin's lymphoma,

Leukemia,

Multiple myeloma and immunoproliferative neoplasms,

Other and unspecified malignant neoplasms of lymphoid tissue,

All other and unspecified malignant neoplasm.

Note: percentages based on frequency counts in table 5-18.

5.17
Proportional Mortality* by Mechanism of Unintentional Injury and Gender among
American Indians and all Residents of Arizona, 1999-2009

Rank	Arizona male**	American Indian male	Arizona female**	American Indian female
1	Motor vehicle-related 39.7%	Motor vehicle-related 56.2%	Motor vehicle-related 32.8%	Motor vehicle-related 64.9%
2	Poisoning by drugs 21.0%	Poisoning by drugs 8.2%	Falls 31.4	Falls 9.6%
3	Falls 15.9	Falls 6.7%	Poisoning by drugs 17.4%	Poisoning by drugs 7.2%
4	Drowning 3.7%	Exposure to cold 4.9%	Choked on objects other than food 2.3%	Exposure to cold 2.3%
5	Exposure to heat 1.7%	Poisoning by gases 3.7%	Drowning 2.3%	Poisoning by gases 2.2%
6	Poisoning by gases 1.6%	Drowning 3.3%	Fire, flames, smoke 1.8%	Drowning 1.9%
7	Fire, flames, smoke 1.5%	Mechanical suffocation 1.8%	Choked on food 1.4%	Fire, flames, smoke 1.7%
8	Choked on object other than food 1.5%	Fire, flames, smoke 1.7%	Exposure to heat 1.1%	Choked on objects other than food 1.2%
9	Mechanical sufocation 1.3%	Railway accident 1.5%	Poisoning by gases 0.9%	Choked on food 1.1%
10	Firearm discharge 1.1%	Exposure to heat 1.4%	Mechanical suffocation 0.7%	Mechanical suffocation 1.1%

*Percent of unintentional injury deaths in specified group in 1999-2009.

**All race/ethnic groups combined.

Note: Percentages based on frequency counts in table 5-18.

5.18

**COMPARISON OF MORTALITY BY SPECIFIC TYPE OF CANCER BY GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS* OF ARIZONA, 2000-2009**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	104,356	55,849	48,507	2,026	966	1,060
Malignant neoplasm of lip, oral cavity and pharynx	1,251	864	387	21	16	5
Malignant neoplasm of esophagus	2,375	1,902	473	42	36	6
Malignant neoplasm of stomach	1,881	1,131	750	132	77	55
Malignant neoplasm of colon, rectum and anus	9,909	5,275	4,634	141	76	65
Malignant neoplasm of liver and intrahepatic bile ducts	2,908	1,912	996	146	87	59
Malignant neoplasm of pancreas	5,534	2,904	2,630	112	58	54
Malignant neoplasm of larynx	550	443	107	4	3	1
Malignant neoplasm of trachea, bronchus and lung	28,585	16,074	12,511	177	88	89
Malignant melanoma of skin	1,755	1,218	537	11	8	3
Malignant neoplasm of breast	7,646	75	7,571	142	2	140
Malignant neoplasm of cervix uteri	700	0	700	48	0	48
Malignant neoplasm of corpus uteri and uterus, part unspecified	932	0	932	27	0	27
Malignant neoplasm of ovary	2,625	0	2,625	78	0	78
Malignant neoplasm of prostate	5,963	5,963	0	109	109	0
Malignant neoplasm of kidney and renal pelvis	2,275	1,454	821	122	79	43
Malignant neoplasm of bladder	2,387	1,747	640	19	10	9
Malignant neoplasm of meninges, brain and other parts of central nervous system	2,396	1,328	1,068	34	19	15
Malignant neoplasm of lymphoid, hematopoietic and related tissue	9,680	5,463	4,217	212	101	111
Hodgkin's disease	198	122	76	2	2	0
Non-Hodgkin's lymphoma	3,852	2,095	1,757	72	33	39
Leukemia	3,743	2,172	1,571	72	33	39
Multiple myeloma and immunoproliferative neoplasms	1,880	1,069	811	66	33	33
Other and unspecified malignant neoplasms of lymphoid tissue	7	5	2	0	0	0
All other and unspecified malignant neoplasms	10,848	5,860	4,988	334	139	195

* All race/ethnic groups combined.

5.19

**UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS* OF ARIZONA, 1999-2009**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Unintentional injury, total	29,246	18,956	10,290	2,899	2,069	830
Railway accidents	108	94	14	38	31	7
Motor vehicle -related	10,906	7,529	3,377	1,701	1,162	539
Water transport accident	41	29	12	0	0	0
Accident involving aircraft	213	186	27	2	2	0
Poisoning by drugs/medicaments	5,782	3,987	1,795	230	170	60
Poisoning by gases and vapors	391	298	93	95	77	18
Falls	6,252	3,022	3,230	218	138	80
Fire, flames, smoke	464	283	181	50	36	14
Excessive natural heat	426	315	111	35	28	7
Excessive natural cold	211	171	40	120	101	19
Contact with venomous snakes and lizards	4	4	0	0	0	0
Contact with venomous spiders	4	1	3	0	0	0
Contact with scorpions	3	1	2	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0
Bitten or struck by dog	16	6	10	1	0	1
Lightning	16	13	3	4	3	1
Storms and floods	9	8	1	4	4	0
Accidental drowning and submersion	934	700	234	84	68	16
Choked on food	345	198	147	28	19	9
Choked on other objects	522	282	240	32	22	10
Mechanical suffocation	323	246	77	47	38	9
Accidental discharge of firearms	238	200	38	20	19	1
Exposure to electric current	80	79	1	4	4	0
Overexertion	1	1	0	1	1	0
Adverse effects of drugs in therapetic use	3	2	1	0	0	0
Misadventures to patients during medical/surgical care	17	10	7	1	1	0

* All race/ethnic groups combined.