



## **COMPARATIVE CAUSE-SPECIFIC MORTALITY**



**5.13**  
**Five Leading Causes of Death by Gender Among American Indian Residents  
of Arizona in 2006**

Rank	Female	Both	Male
1	Diseases of heart 98.1	Diseases of heart 129.4	Diseases of heart 165.1
2	Cancer 79.5	Unintentional injury 97.2	Unintentional injury 139.8
3	Unintentional injury 58.6	Cancer 83.1	Cancer 93.9
4	Diabetes 39.5	Diabetes 43.9	Chronic liver disease and cirrhosis 54.3
5	Chronic liver disease and cirrhosis 32.7	Chronic liver disease and cirrhosis 43.6	Diabetes 49.3

\*Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

5.14

**Five Leading Causes of Death Among American Indians by Gender and Residence On or Off Reservation, Arizona, 2006**

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	Unintentional injury 13.6%	Diseases of heart 18.2%	Unintentional injury 21.1%	Unintentional injury 20.8%
2	Cancer 13.6%	Unintentional injury 12.1%	Diseases of heart 13.7%	Diseases of heart 16.9%
3	Diseases of heart 11.4%	Cancer 12.1%	Cancer 7.9%	Chronic liver disease and cirrhosis 7.5%
4	Chronic liver disease and cirrhosis 7.0%	Diabetes 5.1%	Chronic liver disease and cirrhosis 6.9%	Cancer 5.8%
5	Diabetes 7.0%	Chronic liver disease and cirrhosis 4.7%	Diabetes 5.4%	Diabetes 4.9%

\*Percent of total deaths in specified group.

5.15

**Proportional Mortality\* by Type of Cancer and Gender Among American Indians and All Residents of Arizona, 2000-2006**

Rank	Arizona male**	American Indian male	Arizona female**	American Indian female
1	Trachea, bronchus, lung 29.1%	Prostate 12.8%	Trachea, bronchus, lung 26.0%	Breast 12.9%
2	Prostate 10.9%	Lymphoma 11.4%	Breast 15.6%	Lymphoma 12.1%
3	Lymphoma 10.7%	Trachea, bronchus, lung 9.7%	Colon, rectum, anus 9.7%	Ovary 7.5%
4	Colon, rectum, anus 9.6%	Kidney 9.5%	Lymphoma 9.4%	Trachea, bronchus, lung 7.2%
5	Pancreas 5.4%	Liver 9.2%	Ovary 5.9%	Liver 6.6%
6	Leukemia 4.2%	Stomach 8.5%	Pancreas 5.7%	Stomach 6.1%
7	Non-Hodgkin's lymphoma 4.2%	Colon, rectum, anus 7.9%	Non-Hodgkin's lymphoma 4.0%	Pancreas 5.7%
8	Esophagus 3.6%	Pancreas 6.3%	Leukemia 3.5%	Cervix uteri 5.2%
9	Liver 3.4%	Non-Hodgkin's lymphoma 4.1%	Brain 2.4%	Colon, rectum, anus 5.0%
10	Bladder 3.3%	Leukemia 3.8%	Liver 2.2%	Kidney 4.4%

\*Percent of cancer deaths in specified group.

\*\*All race/ethnic groups combined.

Note: percentages based on frequency counts in table 5-17.

**5.16**  
**Proportional Mortality\* by Mechanism of Unintentional Injury and Gender Among**  
**American Indians and All Residents of Arizona, 1996-2006**

Rank	Arizona male* *	American Indian male	Arizona female* *	American Indian female
1	Motor vehicle-related 43.3%	Motor vehicle-related 60.1	Motor vehicle-related 39.3%	Motor vehicle-related 68.5%
2	Poisoning by drugs 18.8%	Poisoning by drugs 6.7%	Falls 28.4	Falls 7.9%
3	Falls 14.1%	Falls 5.7%	Poisoning by drugs 13.4%	Poisoning by drugs 6.1%
4	Drowning 4.0%	Excessive cold 4.9%	Drowning 2.8%	Fire, flames, smoke 2.1%
5	Excessive heat 1.8%	Drowning 3.4%	Misadventure during medical care 2.3%	Drowning 2.1%
6	Fire, flames, smoke 1.6%	Poisoning by gases/vapors 2.2%	Choked on objects other than food 2.2%	Excessive cold 1.7%
7	Choked on object other than food 1.4%	Fire, flames, smoke 1.8%	Fire, flames, smoke 2.0%	Choked on objects other than food 1.4%
8	Mechanical suffocation 1.3%	Mechanical suffocation 1.5%	Choked on food 1.4%	Choked on food 1.1%
9	Accidental discharge of firearms 1.2%	Railway accident 1.4%	Excessive heat 1.2%	Excessive heat 1.1%
10	Choked on food 1.1%	Choked on objects other than food 1.4%	Mechanical suffocation 0.7%	Mechanical suffocation 0.9%

\*Percent of unintentional injury deaths in specified group.

\*\*All race/ethnic groups combined.

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

## 5.17

**Comparison of Mortality by Specific Type of Cancer by Gender Among American Indians and All Residents\*  
of Arizona, 2000-2006**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Malignant neoplasms, total</b>	65,454	34,978	30,476	1,192	555	637
Malignant neoplasm of lip, oral cavity and pharynx	842	583	259	15	12	3
Malignant neoplasm of esophagus	1,595	1,270	325	20	19	1
Malignant neoplasm of stomach	1,316	799	517	86	47	39
Malignant neoplasm of colon, rectum and anus	6,343	3,373	2,970	76	44	32
Malignant neoplasm of liver and intrahepatic bile ducts	1,853	1,205	648	93	51	42
Malignant neoplasm of pancreas	3,647	1,898	1,749	71	35	36
Malignant neoplasm of larynx	378	303	75	3	2	1
Malignant neoplasm of trachea, bronchus and lung	18,098	10,188	7,910	100	54	46
Malignant melanoma of skin	1,077	759	318	9	6	3
Malignant neoplasm of breast	4,813	50	4,763	82	0	82
Malignant neoplasm of cervix uteri	463	0	463	33	0	33
Malignant neoplasm of corpus uteri and uterus, part unspecified	612	0	612	18	0	18
Malignant neoplasm of ovary	1,802	0	1,802	48	0	48
Malignant neoplasm of prostate	3,808	3,808	0	71	71	0
Malignant neoplasm of kidney and renal pelvis	1,557	992	565	81	53	28
Malignant neoplasm of bladder	1,595	1,143	452	15	7	8
Malignant neoplasm of meninges, brain and other parts of central nervous system	1,605	884	721	21	11	10
Malignant neoplasm of lymphoid, hematopoietic and related tissue	6,616	3,739	2,877	140	63	77
Hodgkin's disease	135	84	51	1	1	0
Non-Hodgkin's lymphoma	2,669	1,453	1,216	47	23	24
Leukemia	2,531	1,477	1,054	49	21	28
Multiple myeloma and immunoproliferative neoplasms	1,275	721	554	43	18	25
Other and unspecified malignant neoplasms of lymphoid tissue	6	4	2	0	0	0
<b>All other and unspecified malignant neoplasms</b>	7,434	3,984	3,450	210	80	130

\* All race/ethnic groups combined.

## 5.18

**Unintentional Injury Deaths by Mechanism and Gender Among American Indians and All Residents\*  
of Arizona, 1996-2006**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Unintentional injury, total</b>	26,771	17,766	9,005	3,010	2,122	888
<b>Railway accidents</b>	132	116	16	38	30	8
<b>Motor vehicle -related</b>	11,233	7,692	3,541	1,884	1,276	608
<b>Water transport accident</b>	54	39	15	0	0	0
<b>Accident involving aircraft</b>	219	188	31	3	2	1
<b>Poisoning by drugs/medicaments</b>	4,541	3,337	1,204	197	143	54
<b>Poisoning by gases and vapors</b>	260	201	59	60	47	13
<b>Falls</b>	5,050	2,497	2,553	190	120	70
<b>Fire, flames, smoke</b>	473	290	183	58	39	19
<b>Excessive natural heat</b>	433	328	105	36	28	8
<b>Excessive natural cold</b>	196	166	30	119	104	15
<b>Contact with venomous snakes and lizards</b>	3	3	0	0	0	0
<b>Contact with venomous spiders</b>	4	2	2	0	0	0
<b>Contact with hornets, wasps, bees</b>	1	1	0	1	1	0
<b>Bitten or struck by dog</b>	10	4	6	1	0	1
<b>Lightning</b>	19	15	4	4	3	1
<b>Storms and floods</b>	11	10	1	4	4	0
<b>Accidental drowning and submersion</b>	952	704	248	91	72	19
<b>Choked on food</b>	332	202	130	32	22	10
<b>Choked on other objects</b>	442	244	198	41	29	12
<b>Mechanical suffocation</b>	287	223	64	40	32	8
<b>Accidental discharge of firearms</b>	253	213	40	23	21	2
<b>Exposure to electric current</b>	81	78	3	5	4	1
<b>Overexertion</b>	3	2	1	2	1	1
<b>Adverse effects of drugs in therapetic use</b>	59	29	30	2	1	1
<b>Misadventures to patients during medical/surgical care</b>	392	184	208	13	6	7

\* All race/ethnic groups combined.