

INJURY MORTALITY AMONG ARIZONA RESIDENTS, 1990-2000

by

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March 2002

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PURPOSE

The purpose of this report is to provide information concerning injury mortality among Arizona residents. The data for 2000 are placed in a temporal context by comparison with the data for the preceding ten years.

This publication incorporates the contents of the five previously published reports on suicide mortality, firearm-related deaths, drug-related mortality, unintentional drowning deaths, and injury mortality among children and adolescents. The specific health status information focused on selected types of injury death or selected population subgroups is supplemented with a broad overview of patterns of injury mortality both by the "intent" or manner of injury death (that is accidents, homicides, suicides, etc.), and "mechanism" of injury (for example, drowning, firearms, drugs) among all residents of the State.

The new format of injury mortality statistics reflects breaks in comparability of mortality data and continuity in statistical trends effective with deaths occurring in 2000. Beginning with the 2000 data year in Arizona (1999 nationally) two major changes have occurred that affect the computation of mortality rates, tabulation of leading causes of death and analyses of mortality data over time. First, a new revision of the International Classification of Diseases (ICD), used to classify causes of death, was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979. Second, a new population standard for the age adjustment of mortality rates has replaced the standard based on the 1940 population and used since 1943.

Any comparison of causes of mortality in Arizona between 2000 and previous years needs to take into account the changes in statistical trends that can be attributed to changes in the classification system and/or changes in the age-adjustment method. Age-adjusted rates can only be compared to other age-adjusted rates that use the same population standard. The age-adjusted mortality rates in this report, based on the (new) 2000 standard, CANNOT BE compared to rates, which use the 1940 standard population. In addition, the implementation of ICD-10 changed the coding rules and rules for selecting the underlying causes of death. Moreover, cause-of-death titles have been changed and the cause-of-death categories regrouped. In particular, the new categories for neglect, abuse, and maltreatment as causes of death, or categories of specific types of drugs causing fatal poisoning are not comparable to those used before 2000.

METHODS AND SOURCES

Data on the number and characteristics of injury deaths among Arizona residents were obtained from the death certificates filed with the Arizona Department of Health Services.

The causes of injury death for 2000 are classified by ICD-10. The causes of injury death for 1990-1999 are classified by ICD-9.

Population denominators for Arizona residents, used to re-calculate the age-adjusted mortality rates, are the latest available estimates for 1991-1999, released in December 1999 by the Population Statistics Unit in the Arizona Department of Economic Security (www.hs.state.az.us/plan/popsets19.htm) and census enumerations for 1990 and 2000 from the U.S. Census Bureau (www.census.gov).

In order to increase the reliability of injury-specific proportions and rates, many of them were calculated for a full eleven-year period 1990-2000. Eleven year summary rates provide more accurate descriptions when the number of events is small and or the events occur in small populations. The 1995 population counts (i.e., population at midpoint) multiplied by eleven, were used as the denominators for average annual rate calculations.

DATA ORGANIZATION

Injury Mortality Among Arizona Residents, 1990-2000 is divided into 9 sections. Sections 1 through 6 are focused on the "intent" or manner of injury death and provide an overview of all injury deaths, accidents, intentional self-harm (suicide), assault (homicide), legal intervention, and events of undetermined intent.

Sections 7 through 9 are focused on three specific "mechanisms" of injury mortality: firearms, drugs, and drownings.

It is hoped that *Injury Mortality Among Arizona Residents, 1990-2000* will be a valuable resource for public health professionals, policy makers and all those who are interested in reducing the risk of injury: the leading cause of preventable death and disability in Arizona.

ALL INJURY DEATHS

1



ALL INJURY DEATHS

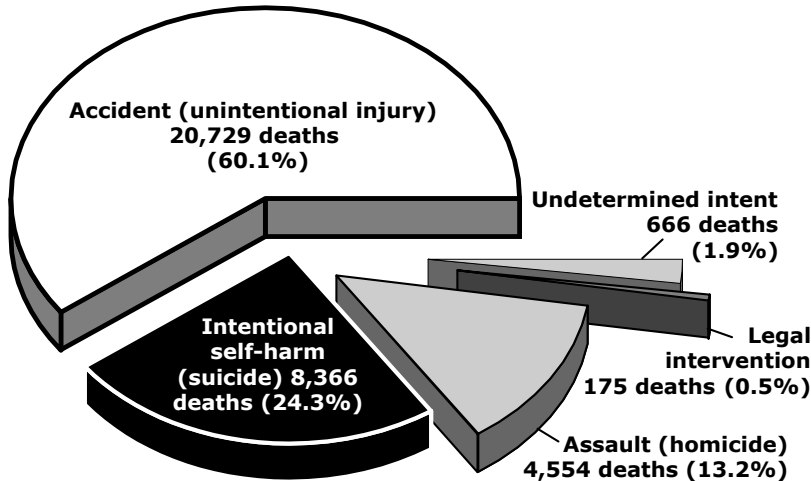
Figure 1-1
Number of Deaths from Injuries and All Other Causes by Single-Year of Age Among Arizona Residents: Eleven-Year Summary for 1990-2000



Injuries are the leading cause of death among Arizonans ages 1 to 5 and 9 to 33 (**Figure 1-1**). In the eleven-year period from 1990 to 2000, unintentional injuries in accidents, combined with self-inflicted injuries in suicide and injuries purposely inflicted by other person, accounted for 9.0 percent of total deaths (34,490 injury deaths among 383,463 deaths from all causes in 1990-2000). Among adolescents and young adults ages 14-21, injuries have claimed 4.3 times as many lives as all other causes of deaths combined (4,199 vs. 968), accounting for more than 81 percent of total deaths of these persons in 1990-2000 (**Table 1-1**).

Figure 1-2
Average Annual Percent of Total Injury Deaths By Intent Among Arizona Residents: Eleven-Year Summary for 1990-2000

N = 34,490 total injury deaths in 1990-2000

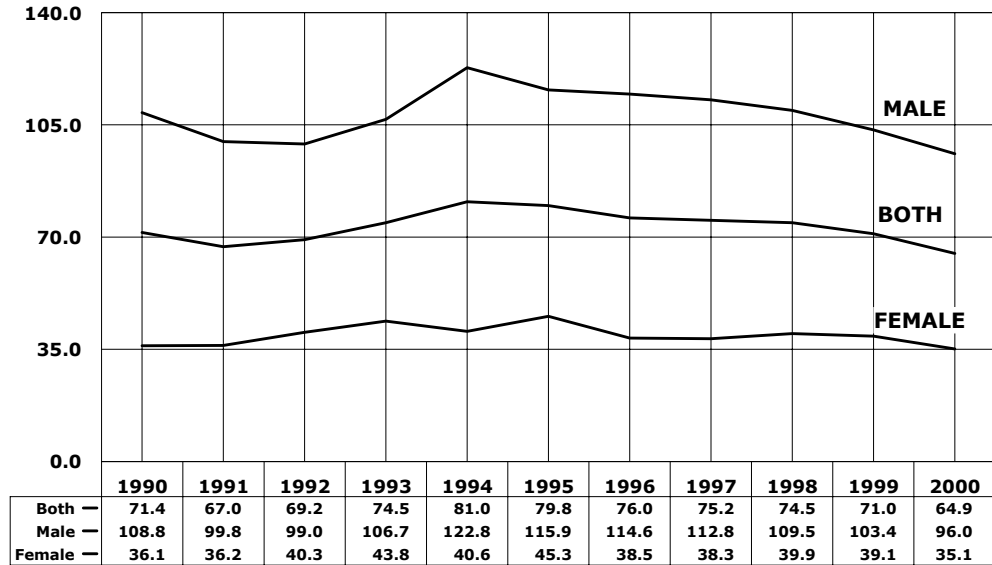


Substantially more Arizonans died in accidents (60.1 percent) than from any other cause of injury death (**Figure 1-2**). Intentional self-harm (suicide) was the second leading manner of injury mortality (24.3 percent), followed by assault (13.2 percent)

ALL INJURY DEATHS

Figure 1-3
Age-Adjusted* Mortality Rates for Total Injury Deaths by Gender and Year, Arizona, 1990-2000

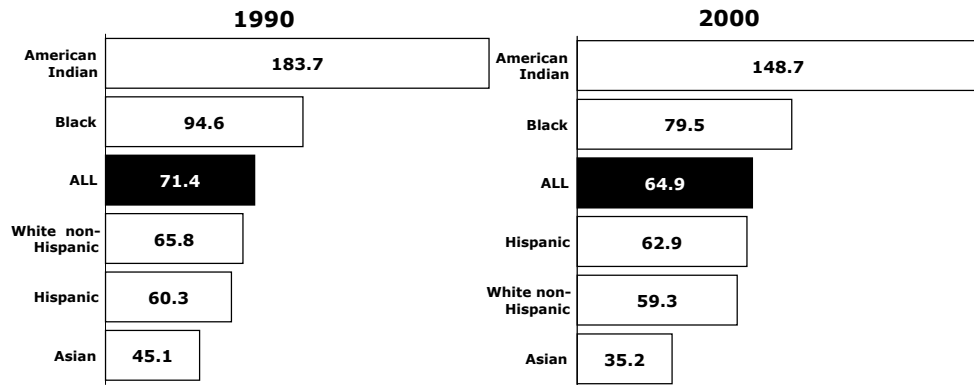
The age-adjusted mortality rate for all injuries declined for the sixth consecutive year, from a recent peak of 81.0/100,000 in 1994 to 64.9/100,000 in 2000 (**Figure 1-3**). Arizona males were 2.7 times more likely to die in 2000 from injury than Arizona females (96.0/100,000 vs. 35.1/100,000).



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

Figure 1-4
Comparison of Age-Adjusted Mortality Rates for All Injury Deaths by Race/Ethnic Group, Arizona, 1990 and 2000

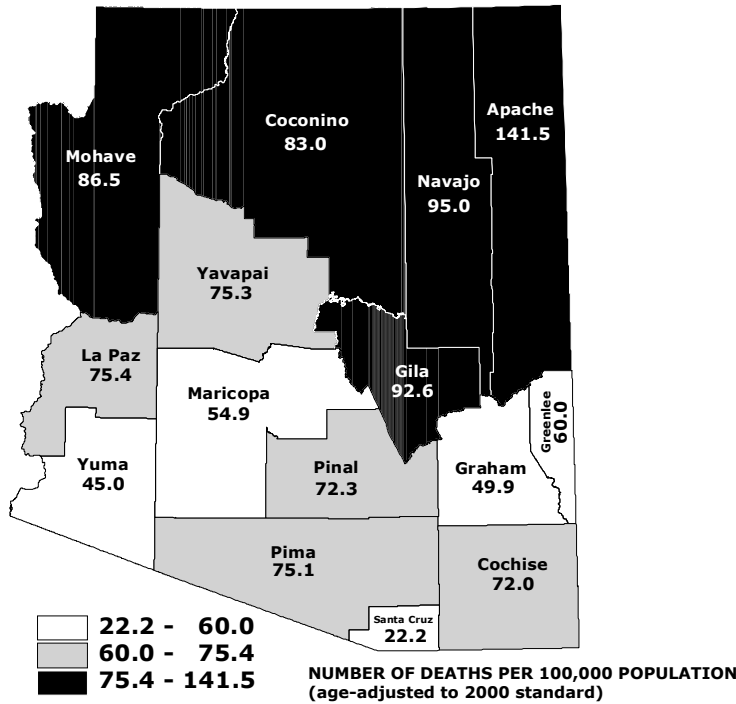
The highest mortality rates among race/ethnic groups for all injuries combined in both 1990 and 2000 were those of American Indian residents of the State (**Figure 1-4**). In 2000, the injury mortality rate among American Indians was 2.4 times higher than the rate for Hispanics and 4.2 times as high as the injury death rate of Asians.



Number of deaths per 100,000 population in specified group age-adjusted to the 2000 U.S. standard

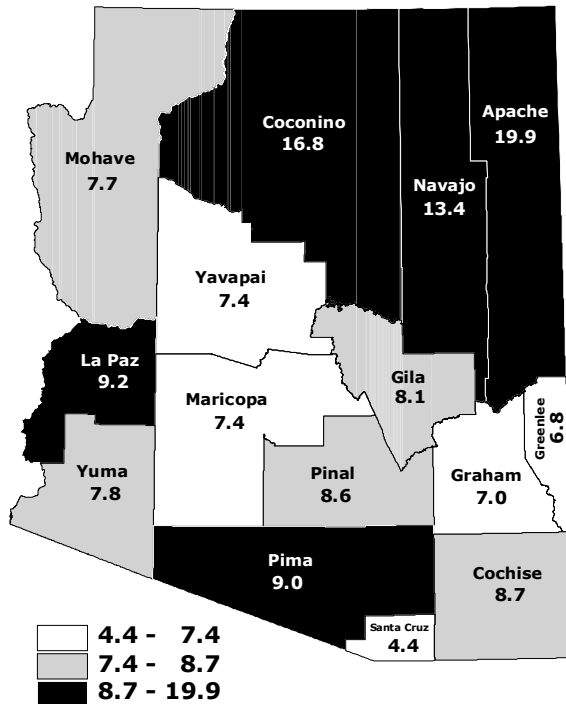
ALL INJURY DEATHS

Figure 1-5
Age-Adjusted Mortality Rates for Total Injury Deaths by
County of Residence, Arizona, 2000



In 2000, the death rates for total injuries ranged from a low of 22.2/100,000 in Santa Cruz County to a high of 141.5/100,000 in Apache County (**Figure 1-5**), a more than six fold difference. Compared to the state rate of 64.9/100,000, Apache County's rate was 118 percent greater, Navajo County's 46 percent greater and Gila County's 43 percent greater. The three major events accounting for the injury fatalities, demise by one's own or another's hand or unintentional injury in an accident, were the least likely among the residents of Santa Cruz, Yuma and Graham Counties

Figure 1-6
Deaths From Injuries as a Percent of Total Mortality from
All Causes by County of Residence, Arizona, 2000



Corresponding to the excessive injury mortality risk in Apache County, fatal injuries accounted in 2000 for almost 20 percent of the total deaths to its residents (**Figure 1-6**). The proportion of injury deaths in Coconino and Navajo Counties also was excessive (16.8 and 13.4 percent, respectively). These three counties accounted in 2000 for 52 percent of all American Indian residents of Arizona (133,068 out of 255,879), the group at the highest risk of injury death. While American Indians made up only 5 percent of the State's total population, they accounted for 77 percent of the residents of Apache County, and 48 percent of the Navajo County population.

ALL INJURY DEATHS

Figure 1-7
Average Annual Percent of Total Deaths By Mortality
Category Among Children and Adolescents 1-19 Years Old,
Arizona, 1990-2000

N = 6,465 deaths in 1990-2000

Between 1990 and 2000 injuries caused 67.5 percent, or 4,367 fatal injuries among 6,465 total deaths of Arizonans 1-19 years old (**Figure 1-7**). Unintentional injuries in accidents accounted for 1.9 times as many deaths as homicides and suicides combined (2,787 vs. 1,485).

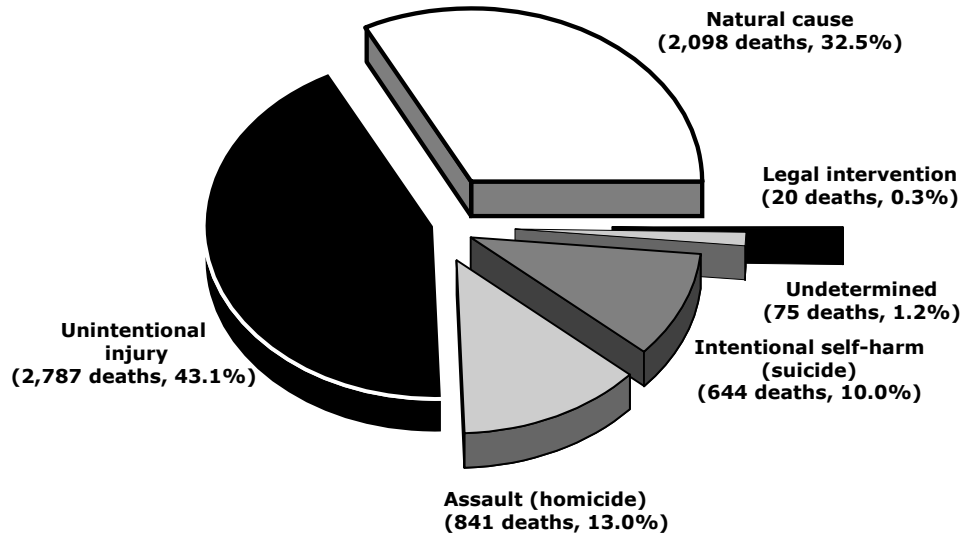
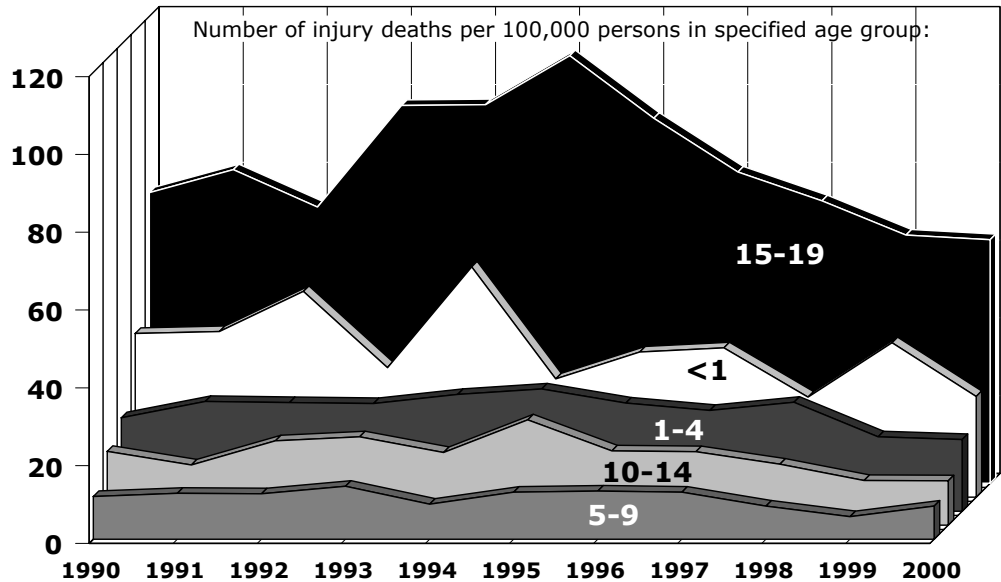


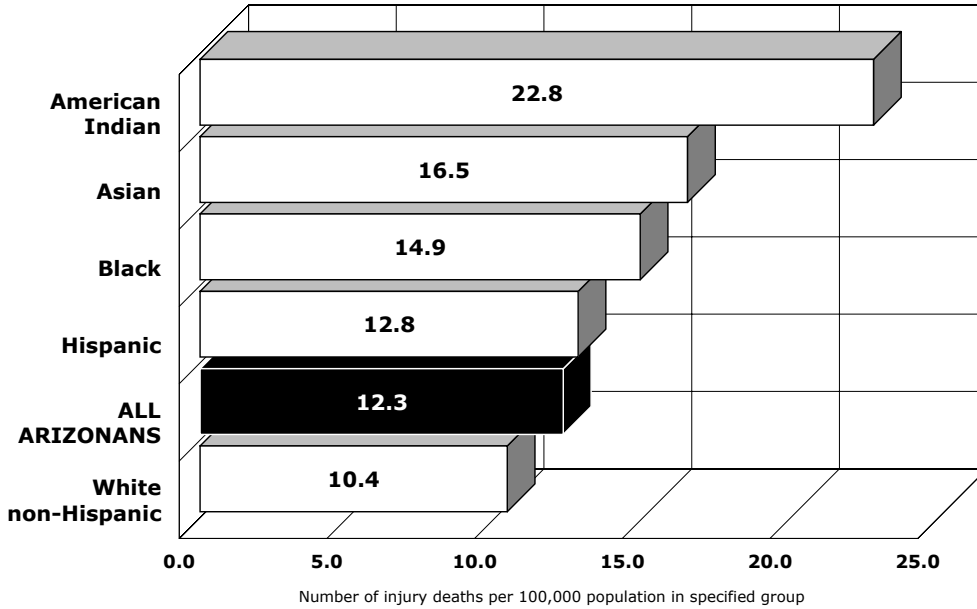
Figure 1-8
Rates of Injury Deaths by Age Group Among
Persons 0-19 Years Old, Arizona 1990-2000

Among age groups, children 5-9 years old had the lowest annual rates of injury death, followed by children 10-14 years of age, preschoolers 1-4 years old, infants <1 and adolescents 15 to 19 years of age (**Figure 1-8**).



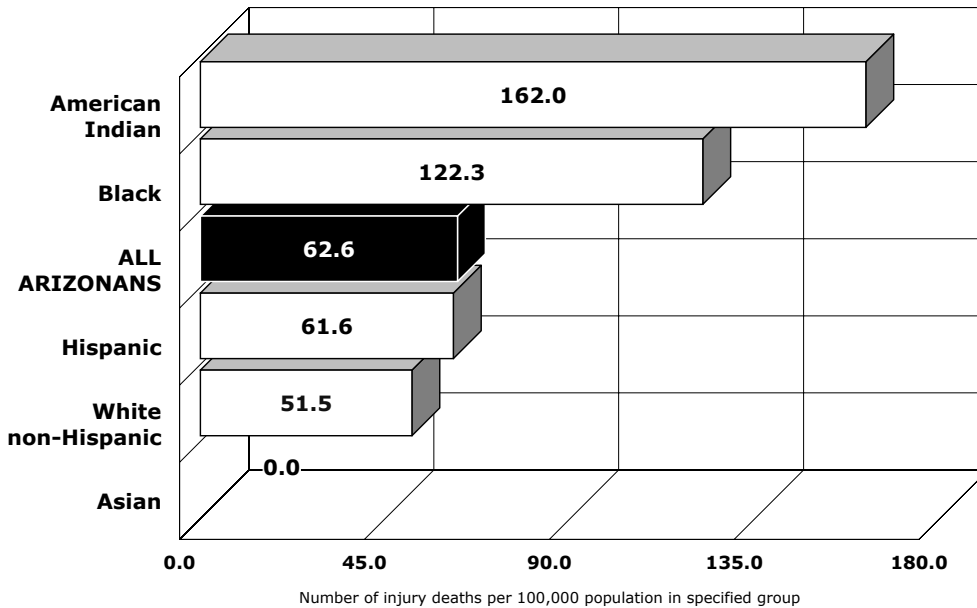
ALL INJURY DEATHS

Figure 1-9
Mortality Rates for All Injury Deaths by Race/Ethnic Group
Among Children 1-14 Years Old, Arizona, 2000



The highest among ethnic groups mortality rates for all injury deaths of children 1-14 years old in 2000 were those of American Indians (22.8/100,000), compared to 16.5/100,000 among Asians, 14.9/100,000 among Blacks, 12.8/100,000 among Hispanics, and 10.4/100,000 among White non-Hispanics (Figure 1-9).

Figure 1-10
Mortality Rates for All Injury Deaths by Race/Ethnic Group
Among Adolescents 15-19 Years Old, Arizona, 2000



The injury death rates for adolescents 15-19 years old in 2000 also were substantially higher among American Indians, than they were among Blacks, Hispanics and White non-Hispanics (Figure 1-10). There were no deaths among Asian adolescents in 2000.

ALL INJURY DEATHS DATA TABLES

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**TABLE 1-1
NUMBER OF DEATHS FROM INJURIES AND ALL OTHER CAUSES BY
SINGLE-YEAR OF AGE AMONG ARIZONA RESIDENTS:
ELEVEN-YEAR SUMMARY FOR 1990-2000**

Age	Total deaths from all causes	Injury death*	Not an injury death
<1	6223	312	5911
1	591	296	295
2	380	204	176
3	249	136	113
4	231	132	99
5	167	86	81
6	153	71	82
7	165	77	88
8	144	65	79
9	137	73	64
10	163	89	74
11	159	79	80
12	197	115	82
13	235	137	98
14	253	184	69
15	377	286	91
16	571	440	131
17	655	541	114
18	817	690	127
19	821	666	155
20	759	625	134
21	914	767	147
22	826	657	169
23	859	666	193
24	840	619	221
25	883	644	239
26	863	617	246
27	897	589	308
28	997	651	346
29	1070	672	398
30	1078	614	464
31	1177	630	547
32	1260	634	626
33	1253	630	623
34	1432	687	745
35	1434	662	772
36	1506	678	828
37	1578	657	921
38	1631	641	990
39	1613	596	1017
40	1752	609	1143
41	1938	652	1286
42	1911	597	1314
43	2091	600	1491
44	2030	557	1473
45	2102	554	1548
46	2031	465	1566
47	2091	465	1626
48	2189	394	1795
49	2278	422	1856
50	2373	355	2018
51	2406	322	2084
52	2484	327	2157
53	2710	310	2400
54	2691	287	2404
55	2824	271	2553
56	3084	282	2802
57	3227	261	2966
58	3503	263	3240

TABLE 1-1 (continued)
NUMBER OF DEATHS FROM INJURIES AND ALL OTHER CAUSES BY
SINGLE-YEAR OF AGE AMONG ARIZONA RESIDENTS:
ELEVEN-YEAR SUMMARY FOR 1990-2000

59	3740	225	3515
60	3938	248	3690
61	4326	234	4092
62	4620	217	4403
63	4864	219	4645
64	5425	235	5190
65	5829	210	5619
66	6366	230	6136
67	6943	234	6709
68	7327	231	7096
69	8027	268	7759
70	8479	262	8217
71	8888	268	8620
72	9407	254	9153
73	9835	277	9558
74	10349	288	10061
75	10691	291	10400
76	10881	290	10591
77	11051	306	10745
78	11248	301	10947
79	11185	305	10880
80	11318	269	11049
81	11266	293	10973
82	11291	291	11000
83	10960	275	10685
84	10697	261	10436
85	10049	237	9812
86	9772	244	9528
87	9015	229	8786
88	8493	223	8270
89	7729	170	7559
90	6907	162	6745
91	6155	163	5992
92	5270	110	5160
93	4511	114	4397
94	3731	68	3663
95	2975	67	2908
96	2292	53	2239
97	1764	33	1731
98	1295	24	1271
99	970	18	952
100	706	14	692
101	460	11	449
102	326	7	319
103	212	2	210
104	123	6	117
105	92	1	91
106	41	0	41
107	25	0	25
108	22	0	22
109	10	0	10
110	4	0	4
111	4	0	4
112	2	0	2
113	2	0	2
114	5	0	5
115	1	0	1
Unknown	276	144	132
All ages	383463	34490	348973

* Includes accidental (or unintentional) injuries + self-inflicted injuries in suicide + injuries inflicted by other person (s) in homicide + injuries due to legal intervention + injuries which were undetermined whether they were purposely or accidentally inflicted.

**TABLE 1-2
TOTAL MORTALITY AND INJURY MORTALITY BY INTENT, GENDER AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Both	ALL INJURY DEATHS	2574	2477	2645	2909	3267	3431	3457	3571	3494	3281
	Unintentional injury	1538	1425	1572	1686	1879	1973	2104	2182	2192	2087
	Intentional self-harm (suicide)	692	658	660	755	816	858	762	810	845	773
	Assault (homicide)	302	334	351	387	477	530	459	443	447	430
	Legal intervention	12	6	19	11	9	18	17	25	21	27
	Events of undetermined intent	30	54	43	70	86	52	55	75	76	72
	Events of undetermined intent	30	54	43	70	86	52	55	75	76	72
Male	ALL INJURY DEATHS	1910	1789	1957	2139	2417	2513	2496	2541	2481	2351
	Unintentional injury	1082	953	1109	1170	1303	1371	1453	1450	1477	1407
	Intentional self-harm (suicide)	573	541	532	618	663	671	619	662	674	604
	Assault (homicide)	226	248	268	286	378	417	368	352	348	315
	Legal intervention	9	6	17	10	9	18	17	21	20	27
	Events of undetermined intent	20	41	31	55	64	36	39	56	46	45
	Events of undetermined intent	20	41	31	55	64	36	39	56	46	45
Female	ALL INJURY DEATHS	664	688	688	770	850	918	888	916	1013	930
	Unintentional injury	456	472	463	516	576	602	638	654	705	711
	Intentional self-harm (suicide)	119	117	128	137	153	187	143	148	171	160
	Assault (homicide)	76	86	83	101	99	113	91	91	99	115
	Legal intervention	3	0	2	1	0	0	0	4	1	0
	Events of undetermined intent	10	13	12	15	22	16	16	19	30	27
	Events of undetermined intent	10	13	12	15	22	16	16	19	30	27

**TABLE 1-3
TOTAL MORTALITY AND INJURY MORTALITY BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total State	Total, all causes	28471	29173	30814	33295	34282	35428	37151	38395	39673	40202
	-- Injury deaths	2574	2477	2645	2909	3267	3431	3457	3571	3494	3281
Apache	Total, all causes	391	389	406	397	369	380	390	418	436	453
	-- Injury deaths	108	121	94	102	89	77	99	96	92	90
Cochise	Total, all causes	797	801	806	885	836	919	977	1027	1005	1067
	-- Injury deaths	64	64	62	48	76	81	71	76	80	93
Coconino	Total, all causes	397	413	439	465	451	526	464	542	486	501
	-- Injury deaths	71	69	82	89	107	106	95	93	88	84
Gila	Total, all causes	462	491	488	537	500	586	580	624	636	578
	-- Injury deaths	39	32	40	51	43	56	53	51	50	47
Graham	Total, all causes	220	228	237	217	229	259	274	269	290	244
	-- Injury deaths	11	20	15	25	25	30	28	20	38	17
Greenlee	Total, all causes	58	64	47	78	50	65	59	67	67	73
	-- Injury deaths	6	7	4	5	4	5	4	6	4	5
Maricopa	Total, all causes	15805	16048	17085	18310	19001	19340	20327	21041	22348	22600
	-- Injury deaths	1359	1251	1295	1454	1645	1727	1790	1860	1858	1673
Mohave	Total, all causes	1070	1112	1183	1330	1390	1464	1639	1807	1752	1917
	-- Injury deaths	95	100	112	106	131	124	117	126	123	147
Navajo	Total, all causes	521	465	556	628	598	580	658	611	682	656
	-- Injury deaths	98	77	104	109	112	116	121	102	116	88
Pima	Total, all causes	5571	5738	5952	6398	6648	6689	6995	6993	7229	7329
	-- Injury deaths	445	426	478	517	552	595	575	577	620	662
Pinal	Total, all causes	1004	1051	1059	1088	1220	1323	1345	1452	1426	1541
	-- Injury deaths	111	133	123	101	158	154	131	154	140	132
Santa Cruz	Total, all causes	139	181	167	199	187	188	213	215	197	204
	-- Injury deaths	7	12	13	20	13	15	10	20	20	9
Yavapai	Total, all causes	1218	1293	1410	1491	1520	1693	1804	1876	1899	1897
	-- Injury deaths	87	81	105	110	104	108	111	143	138	141
Yuma	Total, all causes	686	730	723	846	820	888	913	922	928	946
	-- Injury deaths	54	65	66	53	76	83	75	88	80	74
La Paz	Total, all causes	132	169	171	142	159	186	170	207	165	185
	-- Injury deaths	19	19	19	14	14	17	21	28	13	17
Unknown	Total, all causes	0	0	85	284	304	342	383	324	127	11
	-- Injury deaths	0	0	33	105	118	137	158	131	34	2

**TABLE 1-4
INJURY MORTALITY BY INTENT, RACE/ETHNIC GROUP AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
White non-Hispanic											
All injury deaths	1766	1607	1716	1895	2086	2267	2104	2213	2329	2150	2105
Unintentional injury	1012	896	989	1059	1206	1294	1291	1340	1407	1357	1342
Intentional self-harm (suicide)	579	524	537	619	642	704	615	645	682	589	586
Assault (homicide)	149	146	153	171	185	222	155	160	171	146	131
Legal intervention	5	4	11	6	4	13	9	13	14	11	7
Events of undetermined intent	21	37	26	40	49	34	34	55	55	47	39
Hispanic											
All injury deaths	362	443	459	510	595	638	674	641	681	753	690
Unintentional injury	227	268	263	295	325	344	385	355	399	443	409
Intentional self-harm (suicide)	53	68	65	73	98	89	86	86	98	106	92
Assault (homicide)	77	96	120	127	155	191	187	184	169	184	180
Legal intervention	2	1	5	2	1	5	5	8	5	11	3
Events of undetermined intent	3	10	6	13	16	9	11	8	10	9	6
Black											
All injury deaths	98	88	99	108	159	145	121	141	128	132	115
Unintentional injury	45	36	48	51	56	64	56	72	68	64	66
Intentional self-harm (suicide)	15	22	13	12	14	19	13	19	11	19	10
Assault (homicide)	36	29	34	43	82	60	49	46	48	43	38
Legal intervention	1	0	3	0	3	0	1	3	1	1	0
Events of undetermined intent	1	1	1	2	4	2	2	1	0	5	1
American Indian											
All injury deaths	322	314	341	375	390	351	452	420	393	386	325
Unintentional injury	241	218	255	269	273	251	335	315	283	281	243
Intentional self-harm (suicide)	40	40	39	48	51	41	42	48	46	43	41
Assault (homicide)	34	50	39	42	52	52	66	46	52	49	36
Legal intervention	4	1	0	3	1	0	2	1	1	3	0
Events of undetermined intent	3	5	8	13	13	7	7	10	11	10	5
Asian											
All injury deaths	20	21	23	17	28	21	22	32	31	34	33
Unintentional injury	10	7	16	11	15	16	16	14	19	22	19
Intentional self-harm (suicide)	5	2	4	3	10	3	5	12	8	7	7
Assault (homicide)	3	12	3	3	2	2	0	5	4	5	7
Events of undetermined intent	2	0	0	0	1	0	1	1	0	0	0

**TABLE 1-5
ALL INJURY DEATHS BY FIVE-YEAR AGE GROUPS AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<1	29	29	36	23	41	22	28	27	20	32	22
1-4	58	70	71	74	82	85	74	68	78	55	56
5-9	31	34	32	41	28	38	40	42	31	22	33
10-14	49	41	59	65	55	76	61	61	53	41	43
15-19	197	216	195	248	254	297	279	252	238	217	230
20-24	296	234	259	267	376	344	327	317	333	289	292
25-29	278	250	259	284	310	334	298	327	311	288	234
30-34	243	234	257	301	346	341	332	307	305	284	245
35-39	230	206	247	282	300	337	335	346	372	335	244
40-44	167	190	194	219	257	343	317	333	365	340	290
45-49	147	142	141	177	192	208	225	239	272	292	265
50-54	106	109	95	106	142	140	145	166	176	209	207
55-59	101	89	103	114	113	106	115	110	136	155	160
60-64	113	101	103	79	117	107	98	103	106	119	107
65-69	113	95	105	94	102	118	103	99	108	108	128
70-74	97	123	121	112	132	129	107	144	133	110	141
75-79	111	106	121	120	132	129	136	138	163	176	161
80-84	96	86	108	126	114	114	134	162	142	159	148
85-89	53	64	72	100	88	85	112	118	118	139	154
90-94	41	35	38	51	54	45	73	53	72	69	86
95-99	8	12	16	17	22	14	18	26	14	27	21
100+	1	7	2	2	1	7	5	3	5	7	2
Unknown	9	4	11	7	9	12	22	16	20	21	12
Total	2574	2477	2645	2909	3267	3431	3384	3457	3571	3494	3281

**TABLE 1-6
MORTALITY RATES¹ FOR INJURIES BY INTENT AND FOR NATURAL CAUSES AMONG
AGE GROUPS OF PERSONS 0 TO 19 YEARS OLD, ARIZONA, 1990-2000**

Age Group and Cause of Death	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
UNDER 1 YEAR²											
Mortality from all causes	874.8	858.3	834.8	769.2	785.7	758.4	767.0	717.3	759.6	679.5	668.4
Deaths from natural causes	832.7	815.7	781.9	735.8	726.5	728.0	729.7	678.9	733.9	638.5	642.5
Deaths from injuries	42.1	42.6	52.9	33.3	59.2	30.4	37.3	38.4	25.7	39.7	25.9
(Accidents)	(33.4)	(32.3)	(36.7)	(26.1)	(45.1)	(19.3)	(30.6)	(23.8)	(18.0)	(32.3)	(17.6)
(Homicide)	(8.7)	(8.8)	(16.2)	(5.8)	(9.9)	(11.1)	(5.3)	(7.9)	(1.3)	(7.5)	(7.1)
(Unknown intent)	(0.0)	(1.5)	(0.0)	(1.4)	(4.2)	(0.0)	(1.3)	(4.0)	(5.1)	(0.0)	(1.2)
1-4 YEARS											
Mortality from all causes	49.3	56.5	50.4	55.0	55.0	51.9	48.1	47.1	53.9	36.7	36.7
Deaths from natural causes	25.3	28.2	22.4	27.3	25.0	20.5	20.4	21.2	25.2	17.7	18.4
Deaths from injuries	24.0	28.2	27.9	27.7	30.0	31.4	27.8	25.9	28.0	19.1	18.4
(Accidents)	(20.7)	(25.8)	(24.8)	(24.7)	(23.9)	(27.0)	(23.7)	(22.7)	(24.8)	(17.0)	(17.4)
(Homicide)	(3.3)	(1.6)	(2.8)	(3.0)	(5.4)	(4.0)	(3.0)	(1.1)	(3.2)	(2.1)	(1.0)
(Unknown intent)	(0.0)	(0.8)	(0.4)	(0.0)	(0.7)	(0.4)	(1.1)	(1.1)	(0.0)	(0.0)	(0.0)
5-9 YEARS											
Mortality from all causes	21.3	22.5	25.2	26.2	20.3	21.1	21.6	24.1	19.3	15.4	19.2
Deaths from natural causes	10.3	10.7	13.5	12.6	11.3	8.9	9.2	12.1	10.2	9.0	10.8
Deaths from injuries	11.0	11.8	11.7	13.6	9.0	12.1	12.4	12.1	8.5	5.8	8.5
(Accidents)	(9.2)	(11.1)	(10.6)	(12.3)	(8.0)	(11.5)	(9.2)	(10.7)	(7.2)	(5.0)	(7.2)
(Homicide)	(1.4)	(0.4)	(1.1)	(1.3)	(1.0)	(0.6)	(2.3)	(0.8)	(1.1)	(0.5)	(1.3)
(Unknown intent)	(0.4)	(0.4)	(0.0)	(0.0)	(0.0)	(0.0)	(0.9)	(0.3)	(0.3)	(0.3)	(0.0)
10-14 YEARS											
Mortality from all causes	30.6	23.4	33.4	38.4	34.4	36.8	30.5	31.1	24.8	22.9	22.2
Deaths from natural causes	11.6	7.9	11.8	15.7	15.7	9.7	11.4	12.3	8.7	10.1	10.8
Deaths from injuries	19.0	15.5	21.7	22.7	18.7	27.1	19.1	18.9	15.7	11.5	11.4
(Accidents)	(15.5)	(10.9)	(12.1)	(14.3)	(12.3)	(17.0)	(13.5)	(13.5)	(9.0)	(8.7)	(9.3)
(Homicide)	(1.9)	(1.5)	(5.5)	(3.8)	(1.4)	(4.4)	(3.1)	(2.1)	(3.5)	(1.7)	(0.3)
(Suicide)	(1.6)	(2.3)	(3.7)	(3.8)	(3.1)	(3.7)	(2.2)	(2.1)	(2.9)	(0.8)	(1.5)
(Unknown intent)	(0.0)	(0.8)	(0.4)	(0.7)	(2.0)	(2.0)	(0.3)	(0.6)	(0.3)	(0.3)	(0.3)
15-19 YEARS											
Mortality from all causes	90.5	97.0	85.9	117.0	115.6	130.4	114.6	103.1	90.9	81.4	78.9
Deaths from natural causes	15.7	16.4	14.9	20.0	18.3	20.5	20.8	23.1	16.2	14.4	16.3
Deaths from injuries	74.7	80.6	71.0	97.1	97.3	109.9	93.8	80.0	72.6	63.8	62.6
(Accidents)	(47.5)	(40.3)	(39.0)	(48.9)	(43.9)	(52.8)	(46.1)	(35.7)	(39.9)	(35.8)	(35.9)
(Homicide)	(10.7)	(19.0)	(18.6)	(23.9)	(27.9)	(33.4)	(24.4)	(19.0)	(16.8)	(16.2)	(14.4)
(Suicide)	(16.1)	(18.3)	(12.4)	(22.7)	(23.7)	(18.7)	(18.2)	(23.7)	(15.2)	(10.2)	(11.1)
(Other ³)	(0.4)	(3.0)	(1.1)	(1.6)	(1.9)	(5.0)	(5.1)	(1.6)	(0.6)	(1.2)	(1.1)

¹ Number of deaths per 100,000 population in specified age group per year.

² Number of births was used as the denominator for death rate calculations among infants.

³ Events of undetermined intent and/or legal intervention (see Table 1-7).

**TABLE 1-7
NUMBER OF INJURY DEATHS BY INTENT AND YEAR AMONG PERSONS 0 TO 19 YEARS OLD
BY AGE GROUP, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<1	ALL INJURY DEATHS	29	29	36	23	41	22	27	20	32	22
	Accidents	23	22	25	18	32	14	18	14	26	15
	Assault (homicide)	6	6	11	4	7	8	4	6	4	6
1-4	Events of undetermined intent	0	1	0	1	2	0	1	1	0	1
	ALL INJURY DEATHS	58	70	71	74	82	85	74	78	55	56
	Accidents	50	64	63	66	66	74	64	62	69	49
5-9	Assault (homicide)	8	4	7	8	15	11	8	3	9	6
	Events of undetermined intent	0	2	1	0	1	0	2	3	0	0
	ALL INJURY DEATHS	31	34	32	41	28	38	40	42	31	22
10-14	Accidents	26	32	29	37	25	36	32	38	26	19
	Assault (homicide)	4	1	3	4	3	2	8	3	4	2
	Events of undetermined intent	1	1	0	0	0	0	0	1	0	0
15-19	ALL INJURY DEATHS	49	41	59	65	55	76	61	53	41	43
	Accidents	40	29	33	41	36	51	44	45	30	31
	Intentional self-harm (suicide)	4	6	10	11	9	11	7	7	12	7
15-19	Assault (homicide)	5	4	15	11	4	13	10	7	11	3
	Legal intervention	0	0	0	0	0	0	0	0	1	0
	Events of undetermined intent	0	2	1	2	6	1	0	2	1	1
15-19	ALL INJURY DEATHS	197	216	195	248	254	297	279	252	238	230
	Accidents	124	108	107	125	115	147	142	113	131	122
	Intentional self-harm (suicide)	42	49	34	58	62	52	56	75	50	36
15-19	Assault (homicide)	28	50	50	61	72	89	72	56	55	51
	Legal intervention	0	1	1	0	1	4	3	4	0	4
	Events of undetermined intent	3	8	3	4	4	5	6	4	2	4

**TABLE 1-8
INJURY MORTALITY AMONG PERSONS 0 TO 19 YEARS OLD BY INTENT, AGE GROUP AND
RACE/ETHNICITY, ARIZONA, 2000**

Age group	Race/ethnicity	All injury deaths	Total accidents	Intentional self-harm (suicide)	Assault (homicide)	Legal intervention	Events of undetermined intent
<1	Total, all groups	22	15	0	6	0	1
	White non-Hispanic	11	8	0	2	0	1
	Hispanic	6	2	0	4	0	0
	Black	3	3	0	0	0	0
	American Indian	1	1	0	0	0	0
1-4	Asian	1	1	0	0	0	0
	Total, all groups	56	53	0	3	0	0
	White non-Hispanic	20	20	0	0	0	0
	Hispanic	27	24	0	3	0	0
	Black	2	2	0	0	0	0
5-9	American Indian	6	6	0	0	0	0
	Asian	1	1	0	0	0	0
	Total, all groups	33	28	0	5	0	0
	White non-Hispanic	9	8	0	1	0	0
	Hispanic	14	10	0	4	0	0
10-14	Black	3	3	0	0	0	0
	American Indian	6	6	0	0	0	0
	Asian	1	1	0	0	0	0
	Total, all groups	43	35	6	1	0	1
	White non-Hispanic	26	20	5	0	0	1
15-19	Hispanic	9	8	0	1	0	0
	Black	1	1	0	0	0	0
	American Indian	6	5	1	0	0	0
	Asian	1	1	0	0	0	0
	Total, all groups	230	132	41	53	1	3
15-19	White non-Hispanic	99	62	26	11	0	0
	Hispanic	77	42	8	23	1	3
	Black	16	4	3	9	0	0
	American Indian	38	24	4	10	0	0
	Asian	0	0	0	0	0	0

**TABLE 1-9
INJURY MORTALITY AMONG PERSONS 0 TO 19 YEARS OLD BY INTENT AND COUNTY OF RESIDENCE, ARIZONA, 2000**

	All injury deaths	Total accidents	Intentional self-harm (suicide)	Assault (homicide)	Legal intervention	Events of undetermined intent
<1						
Total State	22	15	0	6	0	1
Apache	2	1	0	1	0	0
Cochise	1	1	0	0	0	0
Coconino	0	0	0	0	0	0
Gila	0	0	0	0	0	0
Graham	0	0	0	0	0	0
Greenlee	0	0	0	0	0	0
Maricopa	9	4	0	5	0	0
Mohave	1	1	0	0	0	0
Navajo	0	0	0	0	0	0
Pima	6	5	0	0	0	1
Pinal	1	1	0	0	0	0
Santa Cruz	0	0	0	0	0	0
Yavapai	2	2	0	0	0	0
Yuma	0	0	0	0	0	0
1-4						
Total State	56	53	0	3	0	0
Apache	2	2	0	0	0	0
Cochise	1	1	0	0	0	0
Coconino	2	2	0	0	0	0
Gila	0	0	0	0	0	0
Graham	0	0	0	0	0	0
Greenlee	1	1	0	0	0	0
Maricopa	33	32	0	1	0	0
Mohave	2	2	0	0	0	0
Navajo	0	0	0	0	0	0
Pima	12	11	0	1	0	0
Pinal	1	1	0	0	0	0
Santa Cruz	0	0	0	0	0	0
Yavapai	0	0	0	0	0	0
Yuma	2	1	0	1	0	0
5-9						
Total State	33	28	0	5	0	0
Apache	3	3	0	0	0	0
Cochise	1	1	0	0	0	0
Coconino	0	0	0	0	0	0
Gila	0	0	0	0	0	0
Graham	1	1	0	0	0	0
Greenlee	0	0	0	0	0	0

TABLE 1-9 (continued)
INJURY MORTALITY AMONG PERSONS 0 TO 19 YEARS OLD BY INTENT AND COUNTY OF RESIDENCE, ARIZONA, 2000

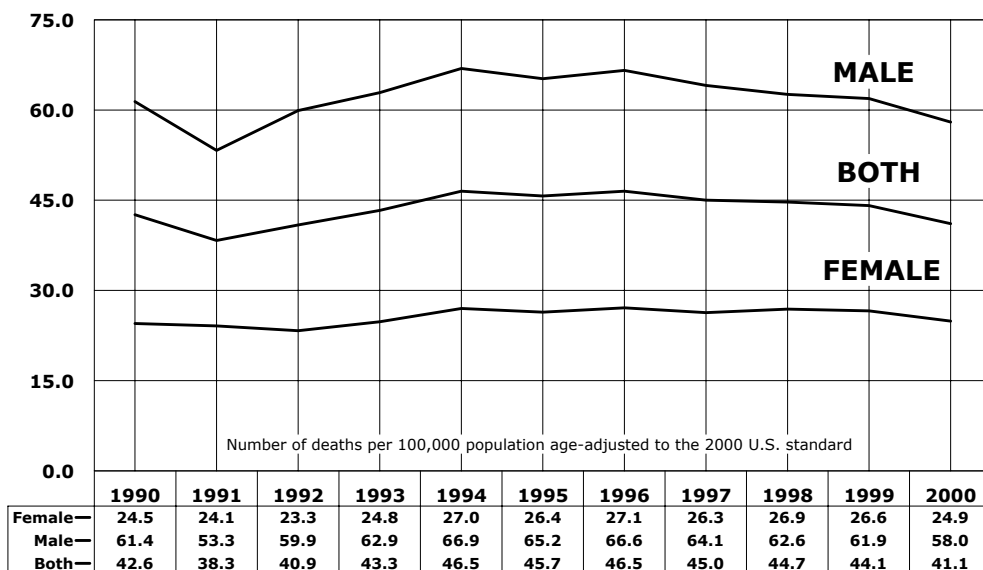
5-9	Maricopa	15	14	0	1	0	0	
	Mohave	0	0	0	0	0	0	
	Navajo	1	1	0	0	0	0	
	Pima	9	5	0	4	0	0	
	Pinal	1	1	0	0	0	0	
	Santa Cruz	0	0	0	0	0	0	
	Yavapai	1	1	0	0	0	0	
	Yuma	1	1	0	0	0	0	
	10-14	Total State	43	35	6	1	0	1
	Apache	2	1	1	0	0	0	0
Cochise	1	1	0	0	0	0	0	
Coconino	1	0	1	0	0	0	0	
Gila	0	0	0	0	0	0	0	
Graham	0	0	0	0	0	0	0	
Greenlee	0	0	0	0	0	0	0	
Maricopa	18	14	3	1	0	0	0	
Mohave	6	6	0	0	0	0	0	
Navajo	2	2	0	0	0	0	0	
Pima	6	6	0	0	0	0	0	
Pinal	3	2	1	0	0	0	0	
Santa Cruz	1	0	0	0	0	0	1	
Yavapai	2	2	0	0	0	0	0	
Yuma	1	1	0	0	0	0	0	
15-19	Total State	230	132	41	53	1	3	
Apache	10	9	0	1	0	0	0	
Cochise	7	7	0	0	0	0	0	
Coconino	9	6	2	1	0	0	0	
Gila	4	3	0	1	0	0	0	
Graham	4	4	0	0	0	0	0	
Greenlee	0	0	0	0	0	0	0	
Maricopa	122	62	26	31	1	2	2	
Mohave	7	6	1	0	0	0	0	
Navajo	7	4	1	2	0	0	0	
Pima	41	17	9	14	0	1	1	
Pinal	11	7	2	2	0	0	0	
Santa Cruz	1	1	0	0	0	0	0	
Yavapai	5	5	0	0	0	0	0	
Yuma	2	1	0	1	0	0	0	

ACCIDENTS **2** **(UNINTENTIONAL INJURY)**



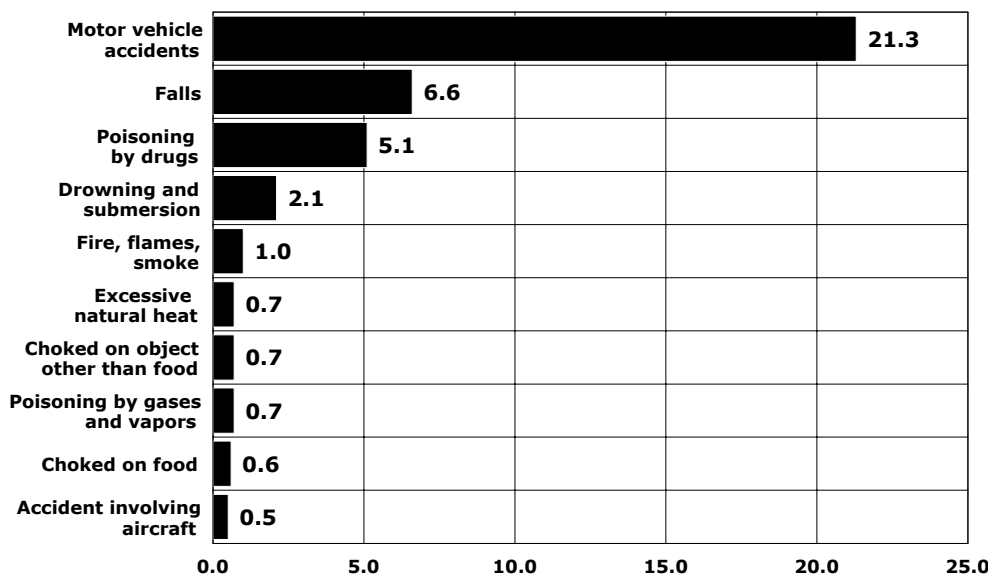
ACCIDENTS (UNINTENTIONAL INJURY)

Figure 2-1
Age-Adjusted Mortality Rates for Accidents (unintentional injuries) by Gender and Year, Arizona, 1990-2000



The mortality rate for unintentional injuries in accidents declined by 6.8 percent from 44.4 deaths per 100,000 population in 1999 to 41.4/100,000 in 2000. In 2000, male compared to female residents of Arizona were 2.3 times more likely to die from unintentional injury (**Figure 2-1**).

Figure 2-2
Average-Annual* Mortality Rates for Leading Causes of Accidental (unintentional) Injury, Arizona, 1990-2000



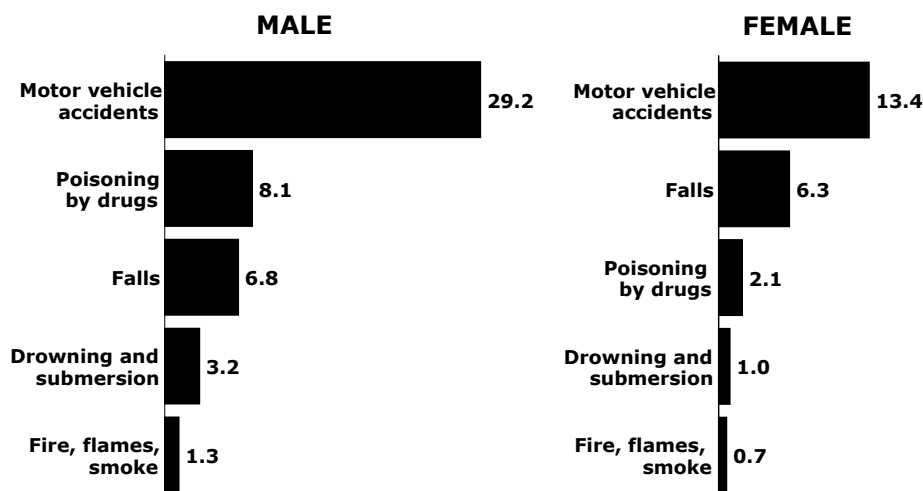
Motor vehicle accidents, falls, poisoning by drugs, medicaments and biological substances, drownings, and exposure to smoke, fire and flames were the five leading causes of unintentional injury death in Arizona in 1990-2000 (**Figure 2-2**). Excessive heat due to weather conditions was the sixth leading cause of unintentional injury death, followed by choking and poisoning by gases and vapors. Small aircraft accidents causing fatal injury to occupant were the tenth leading cause of accidental injury death in Arizona.

*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY)

In 1990-2000, the average annual death rate for *motor vehicle crashes* among Arizona males was 2.2 times that for females (Figure 2-3). *Poisoning by drugs* ranked second for males, but third for females. In contrast, deaths from *falls* ranked second for females, but third for males. The fourth and fifth causes of accidental injury death – *drowning and smoke, fire and flames* – were the same for both males and females.

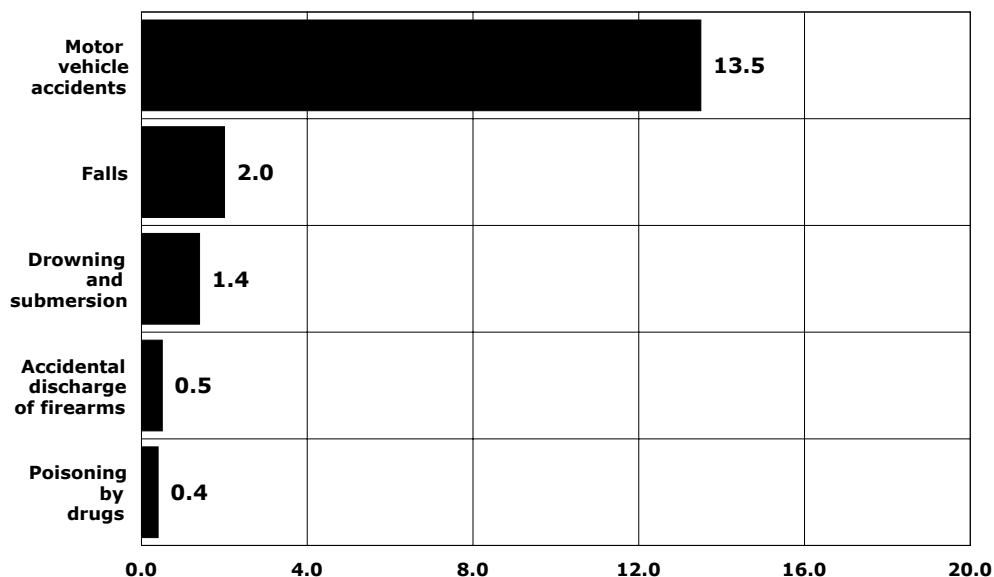
Figure 2-3
Average-Annual* Mortality Rates for Accidental (unintentional) Injury by Gender, Arizona, 1990-2000



*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Figures 2-4, 2-5, 2-6, 2-7 and 2-8 show variation across race/ethnic groups in the five leading causes of unintentional injury mortality. The five groups share most of the leading causes in common. For some of the racial and Hispanic origin groups, one of the five leading causes is exclusive to that group. For Asians, deaths due to *accidental discharge of firearms* ranked fourth, but they were not ranked in the top five for the four other race/ethnicity groups.

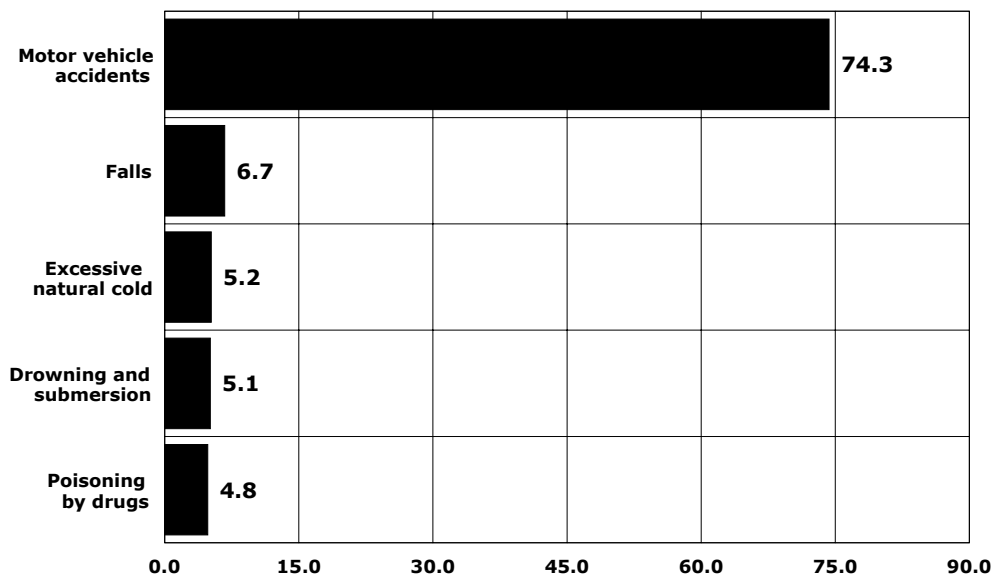
Figure 2-4
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Asians, Arizona, 1990-2000



*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY)

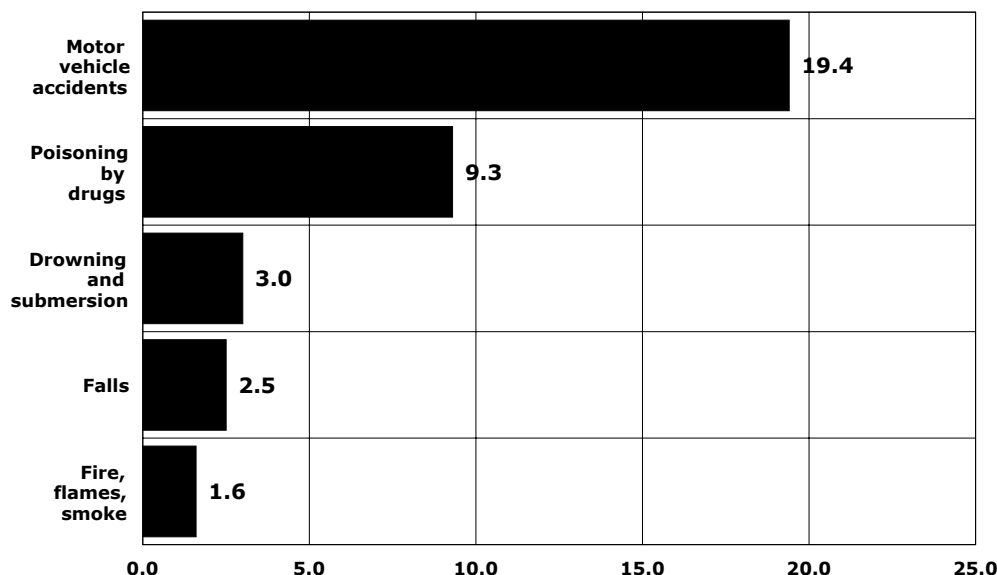
Figure 2-5
Average-Annual* Mortality Rates for the Five Leading Causes of
Accidental (unintentional) Injury Among American Indians
Arizona, 1990-2000



The average annual death rate for *motor vehicle accidents* among American Indians (**Figure 2-5**) was the highest among racial/ethnic groups in the State. Deaths due to *excessive natural cold* ranked third for the American Indian population, but not ranked in the top 5 for the other racial/ethnic groups.

*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Figure 2-6
Average-Annual* Mortality Rates for the Five Leading Causes of
Accidental (unintentional) Injury Among Blacks,
Arizona, 1990-2000



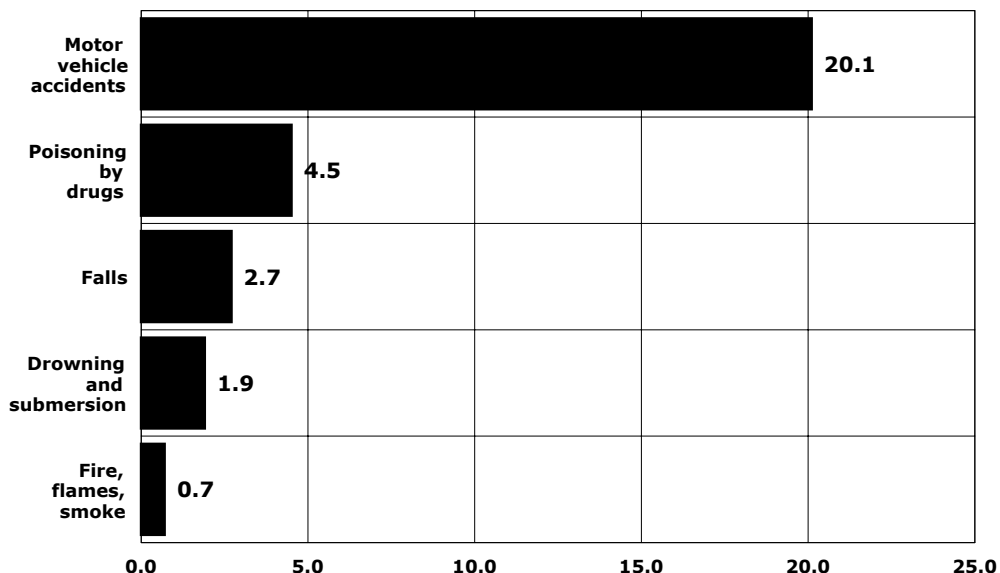
In 1990-2000, the average annual death rate for *accidental poisoning by drugs and medicaments* was substantially higher among Black (9.3/100,000; **Figure 2-6**) compared to Asian (0.4/100,000), American Indian (4.8/100,000), Hispanic (4.5/100,000), and White non-Hispanic (5.1/100,000) residents of Arizona.

*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY)

Figure 2-7
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Hispanics, Arizona, 1990-2000

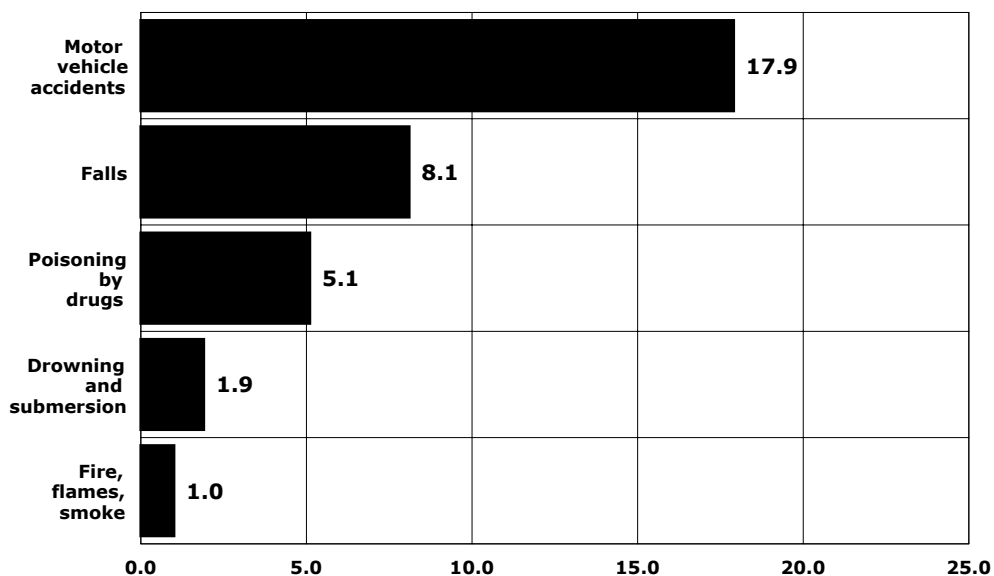
In 1990-2000, *motor vehicle accidents* and *poisoning by drugs* ranked first and second as the top causes of unintentional injury for the Hispanic population. *Falls* ranked third, *drowning and submersion* fourth, and *fire, flames and smoke* ranked fifth for this ethnic group.



*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Figure 2-8
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among White non-Hispanics, Arizona, 1990-2000

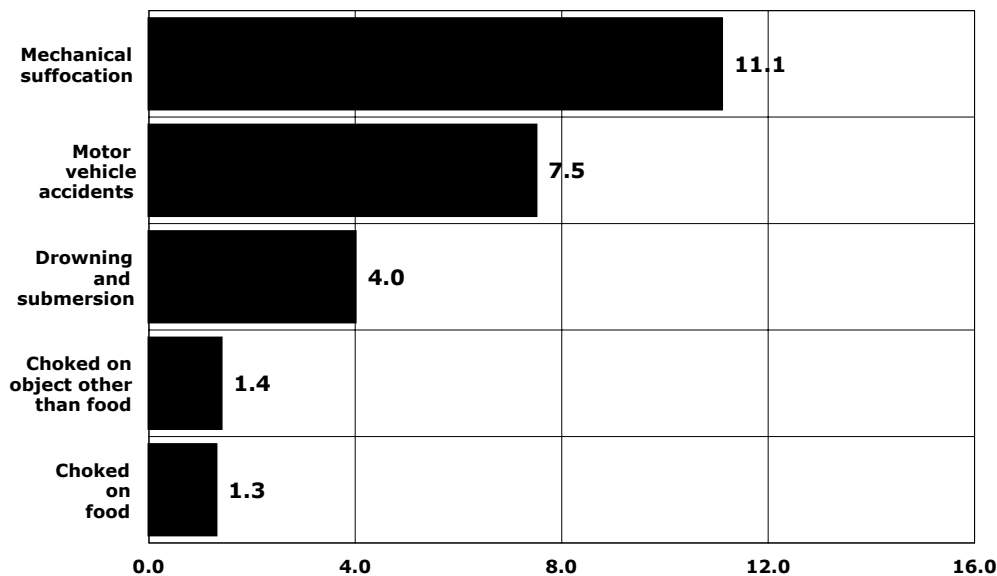
White non-Hispanic residents of the State had the highest average annual rate of deaths from *falls and fall-related injuries* (8.1/100,000, **Figure 2-8**) among the racial/ethnic groups. The high ranking of fall injuries is largely a reflection of the relatively old age distribution of the White non-Hispanic population. Among White non-Hispanics, 17.7 percent were elderly 65 years or older in 2000. Among ethnic minority groups only 4.8 percent were this old.



*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY)

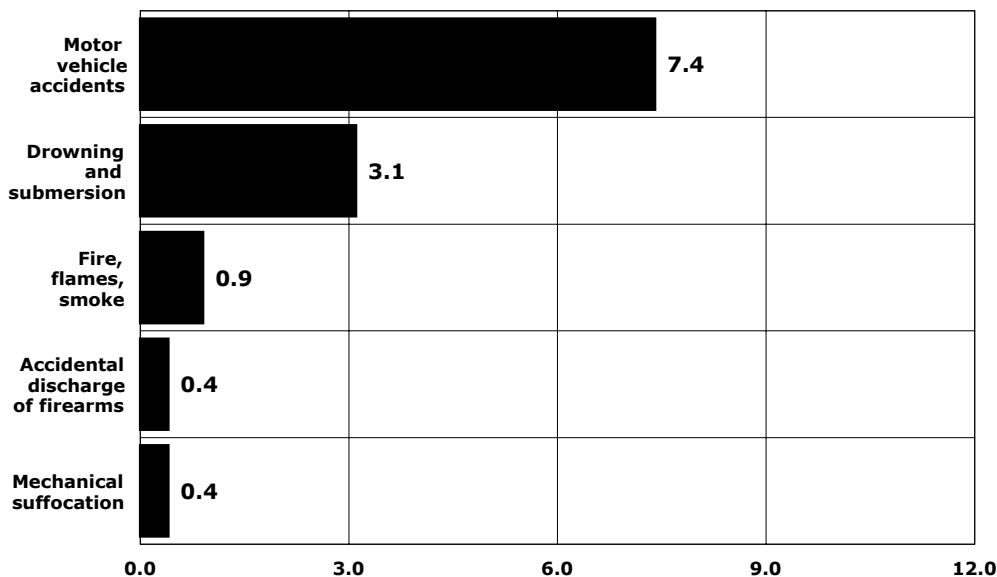
Figure 2-9
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Infants, Arizona, 1990-2000



The top five causes of unintentional injury death among infants for 1990-2000 were *mechanical suffocation, motor vehicle accidents, drowning, choking on object other than food, and choking on food (Figure 2-9)*.

*Number of deaths from specified cause per 100,000 births per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 birth count (i.e., population at mid-point) multiplied by eleven was used as the denominator.

Figure 2-10
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Children (1-14 Years Old), Arizona, 1990-2000



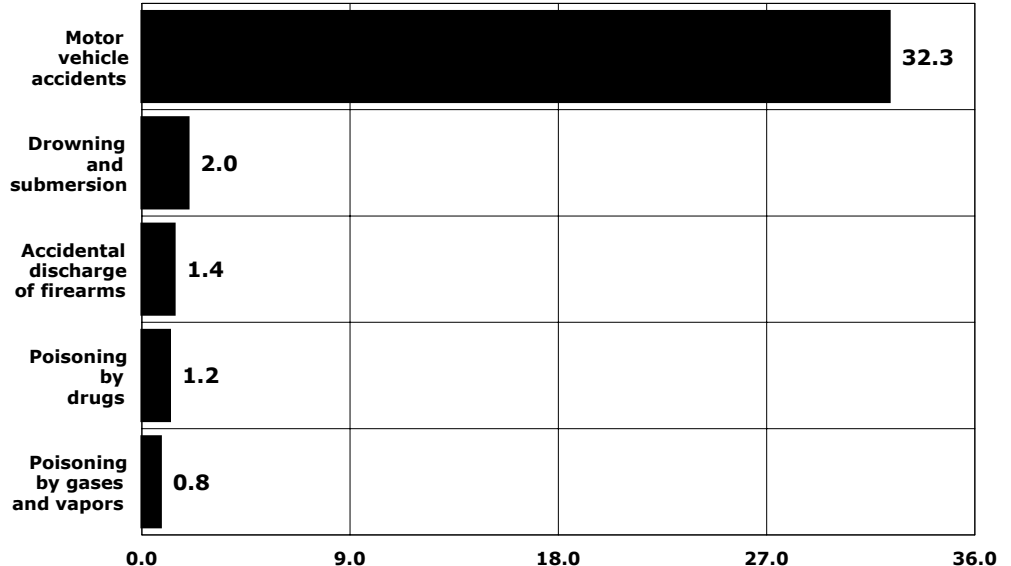
Among children 1-14 years old, the average annual mortality rate for *motor vehicle crashes (7.4/100,000)* was 2.4 times greater in 1990-2000 than the rate for *drowning (3.1/100,000)*. During 1990-2000, *accidental discharge of firearms* posed the same mortality risk as *mechanical suffocation (0.4/100,000; Figure 2-10)*.

*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY)

Figure 2-11
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Adolescents (15-19 Years Old), Arizona, 1990-2000

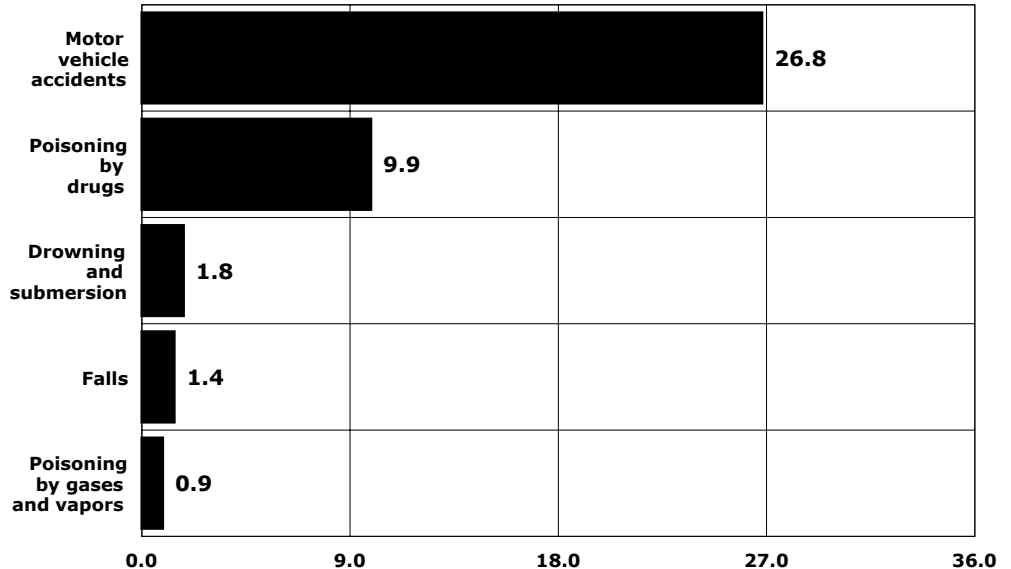
The leading cause of unintentional injury death among adolescents 15-19 years old were *motor vehicle accidents* that accounted for 77.7 percent of all accidental fatalities among Arizona adolescents in 1990-2000 (**Figure 2-11, Table 2-11**). The average annual mortality rate of 32.3 deaths per 100,000 adolescents per year was the highest rate among the age groups.



*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Figure 2-12
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Young Adults (20-44 Years Old), Arizona, 1990-2000

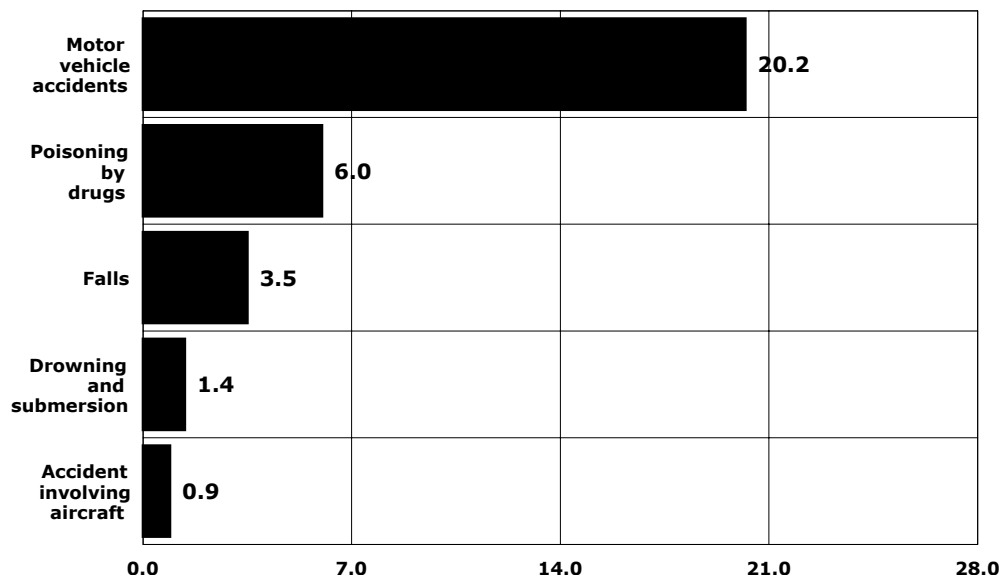
The average annual mortality rate for *accidental poisoning by drugs* among young adults 20-44 years old (**Figure 2-12**) was the highest rate among the age groups. *Accidental overdoses* accounted for more than one-fifth (20.7 percent) of all fatal accidents in this age group during 1990-2000 (**Table 2-12**).



*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY)

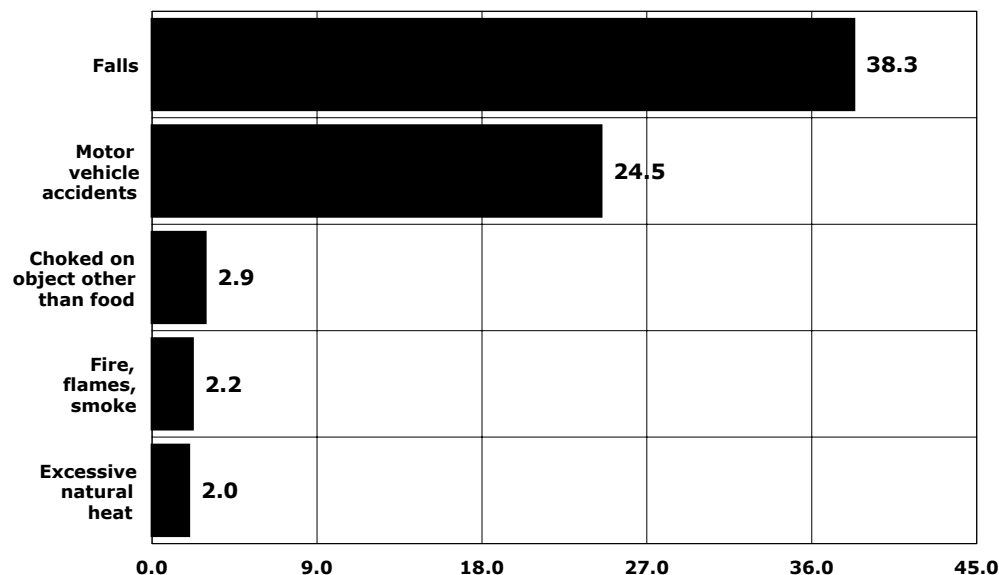
Figure 2-13
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Middle-Aged Adults (45-64 Years Old), Arizona, 1990-2000



Accident involving small aircraft ranked fifth among the leading causes of unintentional injury death for middle-aged adults 45-64 years old (Figure 2-13), but it was not ranked in the top five for the other age groups.

*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Figure 2-14
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Elderly (65 Years or Older), Arizona, 1990-2000



During 1990-2000, falls and fall-related injuries were the leading cause of unintentional injury death among elderly 65 years or older (Figure 2-14). Deaths due to exposure to excessive natural heat ranked fifth among the leading causes of accidental death for this age group.

*Number of deaths from specified cause per 100,000 population per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY)

Figure 2-15
Age-Adjusted Mortality Rates for Accidents (unintentional injuries by County of Residence, Arizona, 2000

In 2000, the age-adjusted mortality rates for all accidents ranged from a low of 16.7/100,000 in Santa Cruz County to a high of 117.5/100,000 in Apache County (Figure 2-15).

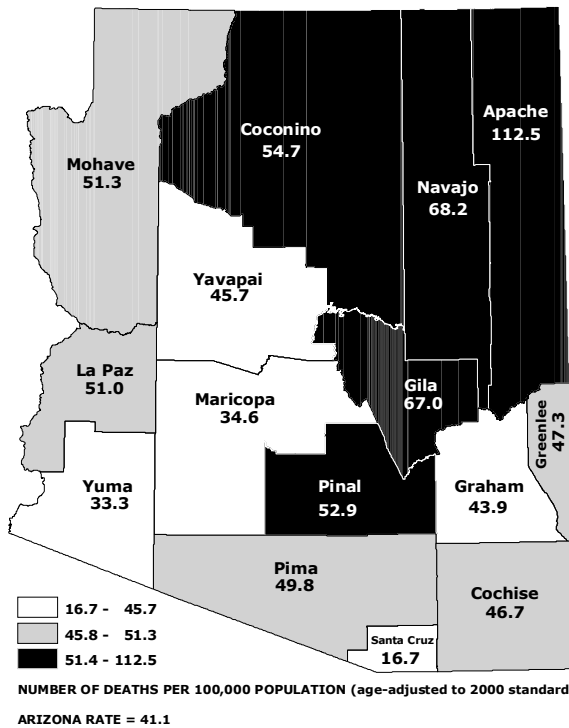
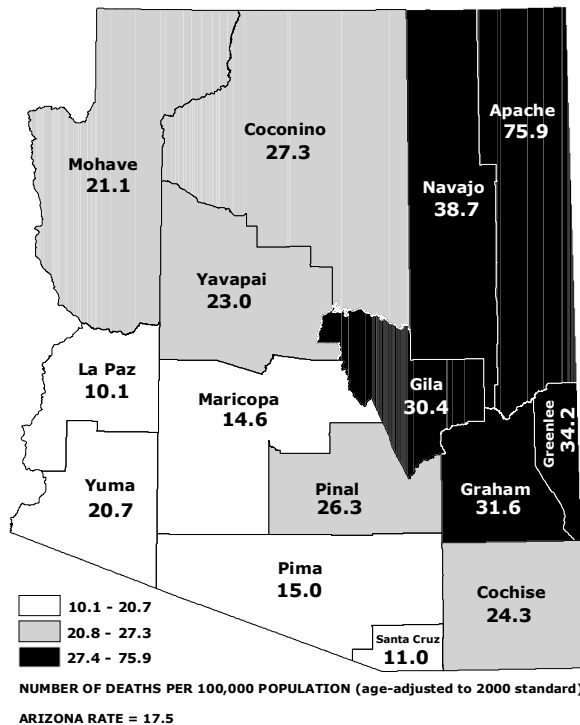


Figure 2-16
Age-Adjusted Mortality Rates for Motor Vehicle Accidents by County of Residence, Arizona, 2000

The age-adjusted mortality rates for motor vehicle accidents ranged from a low of 11 deaths per 100,000 residents of Santa Cruz County to a high of 75.9 deaths per 100,000 residents of Apache County (Figure 2-16).



ACCIDENTS (UNINTENTIONAL INJURY) DATA TABLES

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**TABLE 2-1
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ARIZONA RESIDENTS, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	20729	1538	1425	1572	1686	1879	1973	2091	2104	2182	2192	2087
Railway accidents	154	13	10	15	7	18	19	21	18	14	6	13
Motor vehicle accident	10084	866	781	800	817	897	1023	1051	972	1001	980	896
Water transport accident	61	2	4	5	6	9	4	5	7	6	7	6
Accident involving aircraft	241	18	23	30	16	29	19	26	27	17	16	20
Poisoning by drugs/medicaments	2413	81	77	125	153	224	221	268	289	362	383	230
Poisoning by gases and vapors	304	40	28	24	26	22	30	28	27	28	31	20
Falls	3105	177	197	208	248	263	237	286	359	352	404	374
Fire, flames, smoke	482	43	31	38	53	60	45	42	43	36	45	46
Excessive natural heat	321	31	9	9	15	41	49	38	20	51	35	23
Excessive natural cold	188	17	17	24	19	18	9	13	22	19	15	15
Contact with venomous snakes and lizards	4	0	1	1	0	0	0	0	0	0	1	1
Contact with venomous spiders	1	0	0	0	0	0	0	1	0	0	0	0
Contact with scorpions	1	0	0	0	0	0	0	0	0	0	0	1
Contact with hornets, wasps, bees	2	0	0	0	0	0	1	0	1	0	0	0
Bitten or struck by dog	4	0	0	0	0	1	0	1	0	0	1	1
Lightning	31	2	5	5	1	3	3	2	0	3	5	2
Storms and floods	7	1	2	0	1	0	0	0	1	2	0	0
Accidental drowning and submersion	992	82	78	84	99	77	105	95	95	96	87	94
Choked on food	284	20	16	21	17	21	29	27	29	31	38	35
Choked on other objects	308	15	19	38	47	30	20	23	29	31	22	34
Mechanical suffocation	235	18	17	23	21	22	26	17	22	22	28	19
Accidental discharge of firearms	212	18	19	29	33	22	28	12	17	16	7	11
Exposure to electric current	100	9	11	13	6	11	12	11	9	5	6	7
Overexertion	4	0	0	1	0	1	0	1	1	0	0	0
Adverse effects of drugs in therapeutic use	62	2	1	6	9	9	8	9	7	5	3	3
Misadventures to patients during medical/surgical care	207	8	12	10	15	25	20	24	20	13	17	43

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-2
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG MALES, ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	14256	1082	953	1109	1170	1303	1371	1453	1450	1477	1481	1407
Railway accidents	143	13	9	14	6	18	18	17	17	14	5	12
Motor vehicle accident	6908	597	522	558	553	624	698	729	666	664	680	617
Water transport accident	48	1	3	4	6	7	4	2	6	6	5	4
Accident involving aircraft	199	17	15	24	12	24	18	21	20	16	13	19
Poisoning by drugs/medicaments	1927	64	60	97	122	171	181	220	237	287	304	184
Poisoning by gases and vapors	244	34	23	16	23	20	20	24	23	21	27	13
Falls	1606	91	100	115	142	137	122	143	186	168	201	201
Fire, flames, smoke	311	32	18	28	32	43	26	24	30	24	23	31
Excessive natural heat	239	19	4	4	12	33	37	32	15	43	23	17
Excessive natural cold	162	16	14	23	17	14	5	12	20	18	12	11
Contact with venomous snakes and lizards	4	0	1	1	0	0	0	0	0	0	1	1
Contact with venomous spiders	1	0	0	0	0	0	0	1	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	2	0	0	0	0	0	1	0	1	0	0	0
Bitten or struck by dog	2	0	0	0	0	1	0	0	0	0	0	1
Lightning	24	2	3	5	0	3	2	2	0	2	4	1
Storms and floods	5	1	1	0	0	0	0	0	1	2	0	0
Accidental drowning and submersion	750	66	61	61	79	50	86	69	69	76	65	68
Choked on food	182	13	12	14	10	13	18	18	14	24	20	26
Choked on other objects	181	12	13	25	32	17	9	11	15	17	12	18
Mechanical suffocation	178	15	11	18	16	15	20	13	20	14	19	17
Accidental discharge of firearms	192	17	16	28	27	21	27	12	14	14	7	9
Exposure to electric current	90	7	11	10	5	10	12	10	9	4	5	7
Overexertion	3	0	0	1	0	1	0	0	1	0	0	0
Adverse effects of drugs in therapeutic use	33	2	1	4	6	3	4	5	4	1	2	1
Misadventures to patients during medical/surgical care	112	5	4	5	10	15	10	11	14	5	10	23

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-3
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG FEMALES, ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	6473	456	472	463	516	576	602	638	654	705	711	680
Railway accidents	11	0	1	1	1	0	1	4	1	0	1	1
Motor vehicle accident	3176	269	259	242	264	273	325	322	306	337	300	279
Water transport accident	13	1	1	1	0	2	0	3	1	0	2	2
Accident involving aircraft	42	1	8	6	4	5	1	5	7	1	3	1
Poisoning by drugs/medicaments	486	17	17	28	31	53	40	48	52	75	79	46
Poisoning by gases and vapors	60	6	5	8	3	2	10	4	4	7	4	7
Falls	1499	86	97	93	106	126	115	143	173	184	203	173
Fire, flames, smoke	171	11	13	10	21	17	19	18	13	12	22	15
Excessive natural heat	82	12	5	5	3	8	12	6	5	8	12	6
Excessive natural cold	26	1	3	1	2	4	4	1	2	1	3	4
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	1	0	0	0	0	0	0	0	0	0	0	1
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	2	0	0	0	0	0	0	1	0	0	1	0
Lightning	7	0	2	0	1	0	1	0	0	1	1	1
Storms and floods	2	0	1	0	1	0	0	0	0	0	0	0
Accidental drowning and submersion	242	16	17	23	20	27	19	26	26	20	22	26
Choked on food	102	7	4	7	7	8	11	9	15	7	18	9
Choked on other objects	127	3	6	13	15	13	11	12	14	14	10	16
Mechanical suffocation	57	3	6	5	5	7	6	4	2	8	9	2
Accidental discharge of firearms	20	1	3	1	6	1	1	0	3	2	0	2
Exposure to electric current	10	2	0	3	1	1	0	1	0	1	1	0
Overexertion	1	0	0	0	0	0	0	1	0	0	0	0
Adverse effects of drugs in therapeutic use	29	0	0	2	3	6	4	4	3	4	1	2
Misadventures to patients during medical/surgical care	95	3	8	5	5	10	10	13	6	8	7	20

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-4
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG WHITE NON-HISPANIC RESIDENTS OF
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	13193	1012	896	989	1059	1206	1294	1291	1340	1407	1357	1342
Railway accidents	70	9	4	6	2	8	10	10	9	4	3	5
Motor vehicle accident	5718	536	446	476	452	540	613	569	546	564	507	469
Water transport accident	55	2	3	4	5	7	4	5	7	5	7	6
Accident involving aircraft	225	16	23	29	15	27	18	21	24	17	16	19
Poisoning by drugs/medicaments	1640	56	51	84	115	145	156	181	187	248	258	159
Poisoning by gases and vapors	156	25	11	7	16	13	16	16	14	14	11	13
Falls	2593	148	162	168	211	204	195	242	301	307	335	320
Fire, flames, smoke	309	34	25	22	28	32	32	23	31	23	28	31
Excessive natural heat	217	18	8	7	9	29	34	26	11	34	24	17
Excessive natural cold	37	4	3	4	1	6	2	3	2	4	2	6
Contact with venomous snakes and lizards	4	0	1	1	0	0	0	0	0	0	1	1
Contact with venomous spiders	1	0	0	0	0	0	0	1	0	0	0	0
Contact with scorpions	1	0	0	0	0	0	0	0	0	0	0	1
Contact with hornets, wasps, bees	1	0	0	0	0	0	1	0	0	0	0	0
Bitten or struck by dog	2	0	0	0	0	1	0	1	0	0	0	0
Lightning	14	2	2	1	0	2	1	1	0	1	3	1
Storms and floods	4	0	0	0	1	0	0	0	1	2	0	0
Accidental drowning and submersion	605	53	49	50	56	47	63	62	57	61	55	52
Choked on food	183	11	9	12	12	15	20	13	20	22	28	21
Choked on other objects	226	9	14	25	36	21	17	15	24	21	16	28
Mechanical suffocation	140	11	11	17	11	12	18	11	14	9	10	16
Accidental discharge of firearms	111	12	13	12	19	14	15	5	8	6	3	4
Exposure to electric current	69	5	6	8	2	10	10	9	6	2	4	7
Overexertion	1	0	0	1	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	51	2	1	6	7	8	7	5	6	4	3	2
Misadventures to patients during medical/surgical care	160	8	10	6	10	16	17	20	16	12	13	32

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-5
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG HISPANIC RESIDENTS OF
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	3713	227	268	263	295	325	344	385	355	399	443	409
Railway accidents	41	2	5	4	2	5	2	5	4	6	2	4
Motor vehicle accident	2097	145	172	147	170	171	197	219	194	207	250	225
Water transport accident	2	0	1	0	1	0	0	0	0	0	0	0
Accident involving aircraft	9	2	0	0	1	1	0	3	1	0	0	1
Poisoning by drugs/medicaments	499	17	17	27	26	42	47	61	61	75	81	45
Poisoning by gases and vapors	40	3	7	3	2	3	4	3	2	3	9	1
Falls	286	11	21	16	22	31	23	24	35	27	38	38
Fire, flames, smoke	71	2	3	7	9	13	3	6	7	6	7	8
Excessive natural heat	54	6	1	2	3	4	9	6	5	13	2	3
Excessive natural cold	9	0	0	0	2	1	0	0	2	1	0	3
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	1	0	0	0	0	0	0	0	0	0	0	1
Lightning	8	0	2	1	1	0	1	0	0	2	0	1
Storms and floods	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	201	13	15	19	17	17	27	21	15	20	16	21
Choked on food	50	4	5	4	2	2	4	8	2	6	6	7
Choked on other objects	22	0	1	5	5	2	1	2	0	2	3	1
Mechanical suffocation	45	1	2	3	5	5	5	1	3	8	11	1
Accidental discharge of firearms	64	4	4	6	9	6	9	7	6	6	2	5
Exposure to electric current	21	3	4	2	3	1	0	2	2	2	2	0
Overexertion	1	0	0	0	0	1	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	5	0	0	0	2	0	1	0	0	1	0	1
Misadventures to patients during medical/surgical care	28	0	0	3	0	6	0	3	3	1	3	9

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-6
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG BLACK RESIDENTS OF ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	626	45	36	48	51	56	64	56	72	68	64	66
Railway accidents	1	0	0	0	0	0	0	0	0	0	0	1
Motor vehicle accident	281	25	12	22	18	21	37	18	34	37	30	27
Water transport accident	2	0	0	0	0	1	0	0	0	1	0	0
Accident involving aircraft	2	0	0	0	0	1	0	0	1	0	0	0
Poisoning by drugs/medicaments	134	3	6	8	8	14	9	15	19	17	23	12
Poisoning by gases and vapors	9	0	1	3	1	0	0	1	0	2	1	0
Falls	36	7	2	2	2	3	1	3	3	2	4	4
Fire, flames, smoke	23	0	3	0	7	1	3	6	0	1	1	1
Excessive natural heat	16	2	0	0	1	3	4	2	0	2	1	1
Excessive natural cold	4	1	0	0	0	1	0	1	0	1	0	0
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	0	0
Lightning	0	0	0	0	0	0	0	0	0	0	0	0
Storms and floods	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	43	2	5	3	4	5	3	4	6	2	3	6
Choked on food	10	1	1	2	2	1	2	1	1	0	0	1
Choked on other objects	7	1	0	0	1	1	0	0	2	0	0	2
Mechanical suffocation	14	0	1	1	4	2	0	2	2	0	1	1
Accidental discharge of firearms	13	1	1	6	2	0	0	0	1	1	0	1
Exposure to electric current	4	1	1	0	0	0	1	0	1	0	0	0
Overexertion	1	0	0	0	0	0	0	0	1	0	0	0
Adverse effects of drugs in therapeutic use	3	0	0	0	0	1	0	2	0	0	0	0
Misadventures to patients during medical/surgical care	6	0	1	0	0	1	2	1	0	0	0	1

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-7
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG AMERICAN INDIAN RESIDENTS OF
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	2964	241	218	255	269	273	251	335	315	283	281	243
Railway accidents	40	2	1	5	3	5	7	5	5	4	1	2
Motor vehicle accident	1859	152	148	142	171	154	162	232	188	180	170	160
Water transport accident	2	0	0	1	0	1	0	0	0	0	0	0
Accident involving aircraft	3	0	0	1	0	0	0	1	1	0	0	0
Poisoning by drugs/medicaments	121	5	3	6	4	23	8	8	17	19	16	12
Poisoning by gases and vapors	95	12	8	11	7	6	10	7	11	9	9	5
Falls	168	10	11	19	10	22	17	16	19	13	20	11
Fire, flames, smoke	76	6	0	9	9	13	7	7	4	6	9	6
Excessive natural heat	29	5	0	0	2	4	1	4	4	2	5	2
Excessive natural cold	131	10	14	20	16	9	7	9	17	13	11	5
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	1	0	0	0	0	0	0	0	1	0	0	0
Bitten or struck by dog	1	0	0	0	0	0	0	0	0	0	1	0
Lightning	8	0	1	3	0	0	1	1	0	0	2	0
Storms and floods	3	1	2	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	128	13	8	11	20	8	10	7	16	10	12	13
Choked on food	38	4	1	3	3	3	3	5	5	2	3	6
Choked on other objects	52	5	4	8	5	6	2	6	3	8	3	2
Mechanical suffocation	33	6	3	2	1	3	3	2	3	4	5	1
Accidental discharge of firearms	20	1	0	5	1	2	4	0	2	3	1	1
Exposure to electric current	5	0	0	3	0	0	1	0	0	1	0	0
Overexertion	1	0	0	0	0	0	0	1	0	0	0	0
Adverse effects of drugs in therapeutic use	2	0	0	0	0	0	0	2	0	0	0	0
Misadventures to patients during medical/surgical care	12	0	1	1	5	1	1	0	1	0	1	1

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-8
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ASIAN RESIDENTS OF
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	165	10	7	16	11	15	16	16	14	19	22	19
Railway accidents	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle accident	110	7	3	13	6	8	12	12	8	12	16	13
Water transport accident	0	0	0	0	0	0	0	0	0	0	0	0
Accident involving aircraft	1	0	0	0	0	0	0	1	0	0	0	0
Poisoning by drugs/medicaments	3	0	0	0	0	0	0	0	1	1	1	0
Poisoning by gases and vapors	3	0	1	0	0	0	0	0	0	0	1	1
Falls	16	1	1	3	0	3	1	1	1	2	2	1
Fire, flames, smoke	3	1	0	0	0	1	0	0	1	0	0	0
Excessive natural heat	1	0	0	0	0	0	1	0	0	0	0	0
Excessive natural cold	1	0	0	0	0	1	0	0	0	0	0	0
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	0	0
Lightning	1	0	0	0	0	1	0	0	0	0	0	0
Storms and floods	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	11	1	1	0	2	0	2	1	0	3	0	1
Choked on food	1	0	0	0	0	0	0	0	1	0	0	0
Choked on other objects	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical suffocation	3	0	0	0	0	0	0	1	0	1	1	0
Accidental discharge of firearms	4	0	1	0	2	0	0	0	0	0	1	0
Exposure to electric current	1	0	0	0	1	0	0	0	0	0	0	0
Overexertion	0	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	1	0	0	0	0	0	0	0	1	0	0	0
Misadventures to patients during medical/surgical care	1	0	0	0	0	1	0	0	0	0	0	0

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-9
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG INFANTS ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	232	24	23	25	18	32	14	23	18	14	26	15
Railway accidents	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle accident	60	6	5	6	5	4	6	7	3	5	7	6
Water transport accident	1	0	0	0	0	0	0	0	0	0	1	0
Accident involving aircraft	0	0	0	0	0	0	0	0	0	0	0	0
Poisoning by drugs/medicaments	1	0	0	0	0	0	0	0	0	0	0	1
Poisoning by gases and vapors	0	0	0	0	0	0	0	0	0	0	0	0
Falls	6	0	0	1	1	1	0	1	1	0	0	1
Fire, flames, smoke	7	1	0	0	1	2	0	1	0	0	2	0
Excessive natural heat	1	0	0	0	0	1	0	0	0	0	0	0
Excessive natural cold	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	1	0	0	0	0	0	0	1	0	0	0	0
Lightning	1	0	1	0	0	0	0	0	0	0	0	0
Storms and floods	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	32	4	6	5	1	4	3	3	1	1	1	3
Choked on food	10	5	1	1	1	1	1	1	0	0	0	0
Choked on other objects	11	3	1	1	1	2	0	0	4	0	0	0
Mechanical suffocation	88	3	7	10	7	14	4	8	8	8	15	4
Accidental discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0
Exposure to electric current	2	1	0	1	0	0	0	0	0	0	0	0
Overexertion	0	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	0	0	0	0	0	0	0	0	0	0	0	0
Misadventures to patients during medical/surgical care	7	0	0	1	1	3	0	1	1	0	0	0

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-10
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG CHILDREN (1-14 YEARS OLD),
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	1421	115	124	125	144	127	161	140	145	125	99	116
Railway accidents	6	0	2	0	0	1	0	1	1	0	0	1
Motor vehicle accident	757	72	65	67	67	57	81	82	81	64	59	62
Water transport accident	8	0	0	0	1	1	1	1	1	1	1	1
Accident involving aircraft	5	0	3	1	0	0	0	1	0	0	0	0
Poisoning by drugs/medicaments	7	1	0	0	2	0	1	0	2	0	1	0
Poisoning by gases and vapors	15	1	1	1	3	0	0	1	4	0	2	2
Falls	18	2	2	3	4	2	2	0	2	1	0	0
Fire, flames, smoke	89	4	2	9	9	23	14	8	1	7	8	4
Excessive natural heat	6	0	0	0	2	0	0	1	1	1	0	1
Excessive natural cold	3	0	0	0	0	0	0	2	0	0	0	1
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	0	0
Lightning	0	0	0	0	0	0	0	0	0	0	0	0
Storms and floods	2	0	1	0	0	0	0	0	0	1	0	0
Accidental drowning and submersion	314	20	30	21	31	28	39	28	32	33	22	30
Choked on food	20	0	3	1	1	2	3	4	0	3	1	2
Choked on other objects	17	1	2	1	3	2	1	1	0	3	3	0
Mechanical suffocation	36	6	3	4	4	0	6	1	6	4	0	2
Accidental discharge of firearms	42	2	4	6	9	5	6	2	4	3	0	1
Exposure to electric current	6	0	0	2	0	0	0	0	2	0	1	1
Overexertion	0	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	0	0	0	0	0	0	0	0	0	0	0	0
Misadventures to patients during medical/surgical care	3	0	0	1	0	0	0	0	1	0	0	1

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-11
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ADOLESCENTS (15-19 YEARS OLD),
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	1366	124	108	107	125	115	147	142	113	131	122	132
Railway accidents	9	2	0	1	1	1	0	1	2	0	1	0
Motor vehicle accident	1061	92	83	73	98	94	114	114	86	106	100	101
Water transport accident	8	0	0	2	0	3	0	1	2	0	0	0
Accident involving aircraft	7	0	3	0	0	0	0	0	2	2	0	0
Poisoning by drugs/medicaments	39	2	3	3	1	3	5	3	6	5	5	3
Poisoning by gases and vapors	25	3	4	1	3	0	4	1	3	1	4	1
Falls	21	2	3	0	2	2	2	4	1	1	1	3
Fire, flames, smoke	10	0	1	1	1	1	2	1	2	0	1	0
Excessive natural heat	6	0	1	1	0	0	1	0	0	3	0	0
Excessive natural cold	6	2	0	0	1	2	0	0	0	0	0	1
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	0	0
Lightning	4	0	1	1	0	0	0	1	0	0	0	1
Storms and floods	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	67	7	2	11	5	5	8	7	9	4	2	7
Choked on food	3	0	0	0	0	0	0	0	0	1	1	1
Choked on other objects	4	0	0	1	1	0	1	0	0	0	1	0
Mechanical suffocation	11	2	1	0	0	1	2	0	0	2	3	0
Accidental discharge of firearms	45	7	5	8	10	2	4	4	2	2	0	1
Exposure to electric current	4	0	0	1	0	1	1	1	0	0	0	0
Overexertion	0	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	0	0	0	0	0	0	0	0	0	0	0	0
Misadventures to patients during medical/surgical care	1	0	1	0	0	0	0	0	0	0	0	0

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-12
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG YOUNG ADULTS (20-44 YEARS OLD),
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	8524	661	585	653	693	811	877	898	874	908	858	706
Railway accidents	106	10	7	8	5	13	16	15	12	9	1	10
Motor vehicle accident	4773	412	383	385	391	435	491	503	472	478	439	384
Water transport accident	28	1	3	3	2	3	2	2	3	2	4	3
Accident involving aircraft	115	9	11	16	11	12	8	15	11	4	8	10
Poisoning by drugs/medicaments	1766	61	65	100	118	179	171	204	205	259	269	135
Poisoning by gases and vapors	151	27	15	13	12	13	13	14	11	15	11	7
Falls	244	20	14	17	19	27	27	27	26	21	27	19
Fire, flames, smoke	139	17	9	13	14	14	9	8	20	10	11	14
Excessive natural heat	76	9	0	2	2	8	15	6	7	15	6	6
Excessive natural cold	68	6	5	13	7	5	4	3	10	7	6	2
Contact with venomous snakes and lizards	1	0	0	0	0	0	0	0	0	0	1	0
Contact with venomous spiders	1	0	0	0	0	0	0	1	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	1	0	0	0	0	1	0	0	0	0	0	0
Lightning	15	2	2	2	1	2	1	1	0	2	2	0
Storms and floods	4	1	0	0	1	0	0	0	1	1	0	0
Accidental drowning and submersion	327	33	23	27	38	23	39	31	32	28	27	26
Choked on food	51	3	3	4	1	7	7	5	7	5	5	4
Choked on other objects	41	2	4	6	5	5	2	3	7	3	2	2
Mechanical suffocation	61	6	4	5	7	4	7	4	6	3	8	7
Accidental discharge of firearms	102	8	7	12	13	10	18	6	6	10	7	5
Exposure to electric current	59	7	7	6	3	9	6	7	2	4	4	4
Overexertion	3	0	0	1	0	1	0	0	1	0	0	0
Adverse effects of drugs in therapeutic use	8	0	0	0	2	1	1	2	0	1	1	0
Misadventures to patients during medical/surgical care	24	0	0	1	3	8	3	3	3	3	0	0

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-13
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG MIDDLE-AGED ADULTS (45-64 YEARS OLD),
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	3706	264	225	239	266	327	319	348	380	412	469	457
Railway accidents	18	1	1	5	1	3	1	1	2	2	1	0
Motor vehicle accident	1803	160	130	120	126	158	167	179	168	185	214	196
Water transport accident	14	0	1	0	3	2	0	1	1	3	1	2
Accident involving aircraft	94	8	5	12	5	13	9	6	14	8	6	8
Poisoning by drugs/medicaments	534	13	7	14	30	36	39	53	70	93	101	78
Poisoning by gases and vapors	88	6	6	6	8	6	9	8	9	10	14	6
Falls	311	19	19	22	22	28	25	22	38	31	39	46
Fire, flames, smoke	91	8	6	7	8	9	10	8	8	7	10	10
Excessive natural heat	90	9	3	2	7	13	11	12	4	15	9	5
Excessive natural cold	52	3	6	6	3	9	1	4	6	5	4	5
Contact with venomous snakes and lizards	2	0	0	1	0	0	0	0	0	0	0	1
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	1	0	0	0	0	0	0	0	0	0	0	1
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	2	0	0	0	0	0	0	0	0	0	1	1
Lightning	9	0	0	2	0	1	2	0	0	1	3	0
Storms and floods	1	0	1	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	128	8	8	8	14	8	10	9	9	16	24	14
Choked on food	72	4	3	5	6	5	7	3	6	9	14	10
Choked on other objects	44	0	0	6	9	4	4	6	4	6	2	3
Mechanical suffocation	16	0	0	2	1	0	2	3	1	3	1	3
Accidental discharge of firearms	16	1	3	0	1	4	0	0	4	1	0	2
Exposure to electric current	21	1	3	2	3	0	3	2	4	0	1	2
Overexertion	0	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	19	1	1	3	2	3	2	3	2	1	1	0
Misadventures to patients during medical/surgical care	47	5	3	1	5	4	4	4	4	2	4	11

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 2-14
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ELDERLY (65 YEARS AND OLDER),
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total accidents	5389	346	358	417	438	464	451	523	560	577	603	652
Railway accidents	5	0	0	0	0	0	1	1	0	1	1	1
Motor vehicle accident	1604	123	114	147	130	147	162	162	159	157	156	147
Water transport accident	2	1	0	0	0	0	1	0	0	0	0	0
Accident involving aircraft	20	1	1	1	0	4	2	4	0	3	2	2
Poisoning by drugs/medicaments	53	4	2	8	1	6	5	4	2	4	5	12
Poisoning by gases and vapors	24	3	2	3	0	3	4	3	0	2	0	4
Falls	2504	134	159	165	200	203	181	232	291	297	337	305
Fire, flames, smoke	146	13	13	8	20	11	10	16	12	12	13	18
Excessive natural heat	129	13	5	4	4	18	21	17	7	14	16	10
Excessive natural cold	50	3	6	5	7	2	4	3	4	7	4	5
Contact with venomous snakes and lizards	1	0	1	0	0	0	0	0	0	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	2	0	0	0	0	0	1	0	1	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	0	0
Lightning	2	0	1	0	0	0	0	0	0	0	0	1
Storms and floods	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	114	10	8	10	10	9	6	16	9	13	11	12
Choked on food	128	8	6	10	9	6	11	14	16	13	17	18
Choked on other objects	190	9	12	23	28	17	12	13	14	19	14	29
Mechanical suffocation	23	1	2	2	2	3	5	1	1	2	1	3
Accidental discharge of firearms	7	0	0	3	0	1	0	0	1	0	0	2
Exposure to electric current	8	0	1	1	0	1	2	1	1	1	0	0
Overexertion	1	0	0	0	0	0	0	1	0	0	0	0
Adverse effects of drugs in therapeutic use	35	1	0	3	5	5	5	4	5	3	1	3
Misadventures to patients during medical/surgical care	125	3	8	6	6	10	13	16	11	8	13	31

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

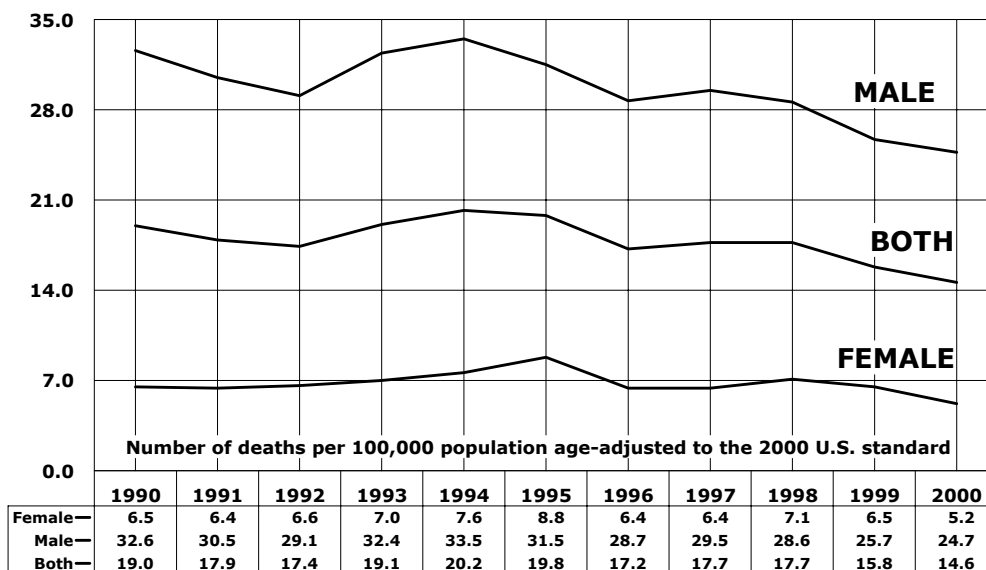
INTENTIONAL SELF-HARM (SUICIDE)

3



INTENTIONAL SELF-HARM (SUICIDE)

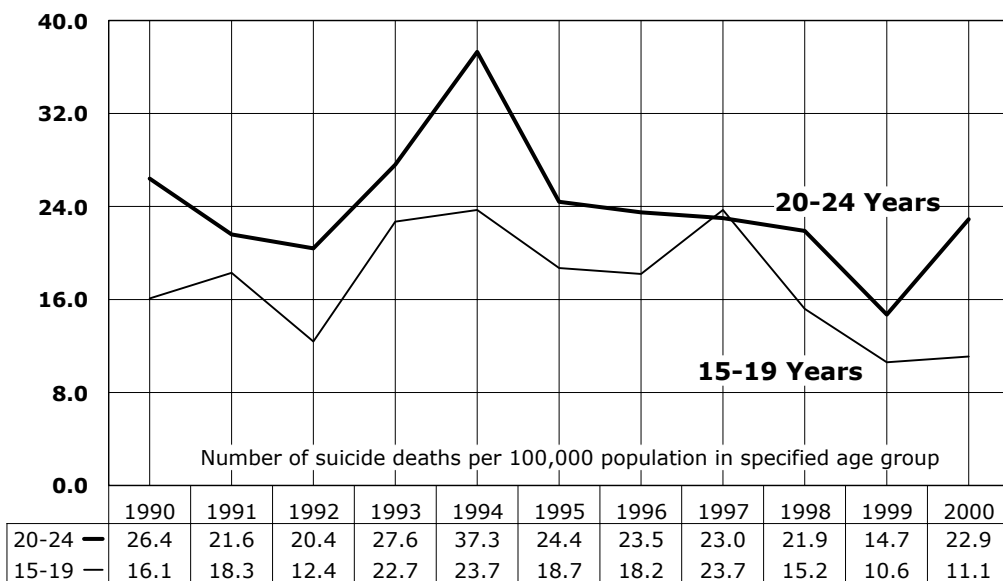
Figure 3-1
Age-Adjusted Mortality Rates for Intentional Self-Harm (suicide) by Gender and Year, Arizona, 1990-2000



During 2000, a total of 737 Arizona residents committed suicide, a decrease of 36 or 4.7 percent from the 1999 figure of 773. Between 1998 and 2000 the Arizona suicide mortality rate declined by 18.4 percent to 14.6 suicides per 100,000 persons, the lowest rate of the decade (**Figure 3-1**).

In the 1990-2000 period, no suicide death rate among Arizona's males was below 24.0/100,000. In contrast, none of the annual female death rates from suicide exceeded 8.8/100,000 during that period

Figure 3-2
Suicide Mortality Rates by Year for Adolescents 15-19 Years Old and Young Adults Ages 20-24, Arizona, 1990-2000



The suicide rate for young adults 20-24 years old declined by 60.6 percent from 37.3/100,000 in 1994 to 14.7/100,000 in 1999, but it increased to 22.9/100,000 in 2000 (**Figure 3-2**).

The suicide rate among adolescents 15-19 years old dropped 55.3 percent from 1997 to 1999, and then slightly increased in 2000. The 2000 rate of 11.1/100,000 was the second lowest suicide death rate for Arizona adolescents in two decades.

INTENTIONAL SELF-HARM (SUICIDE)

In 1990-2000, all annual age-specific suicide mortality rates among elderly Arizonans aged 65 and older exceeded by at least 34 percent the corresponding U.S. rates (**Figure 3-3**). However, the elderly suicide rates were lower in the years ending (1996-2000) than the years starting the decade (1990-1995).

Compared to 1990, the Arizona elderly residents 65 years and older were 25 percent less likely to kill themselves in 2000.

Figure 3-3
Suicide Mortality Rates by Year for Elderly 65 Years and Older, Arizona, 1990-2000

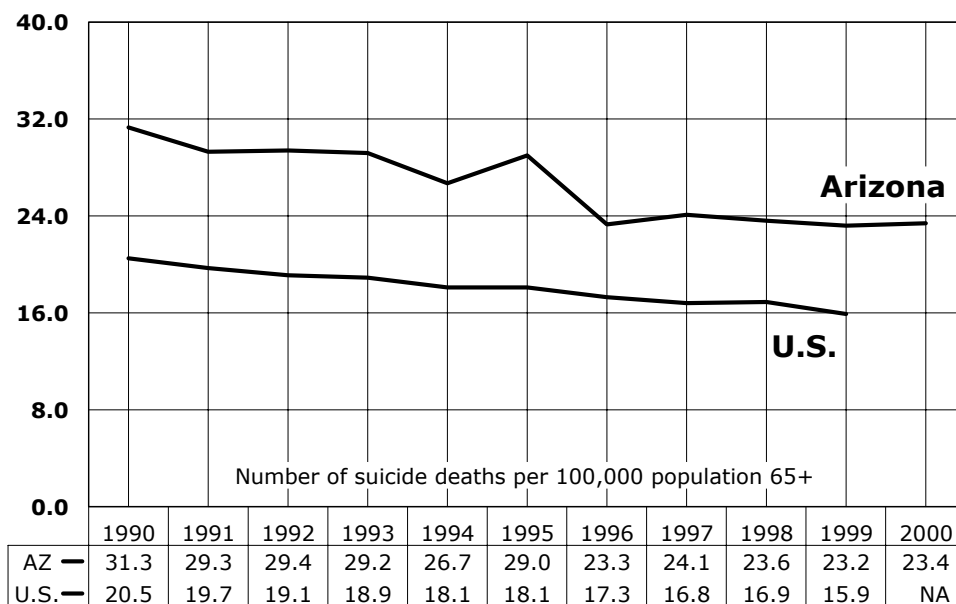
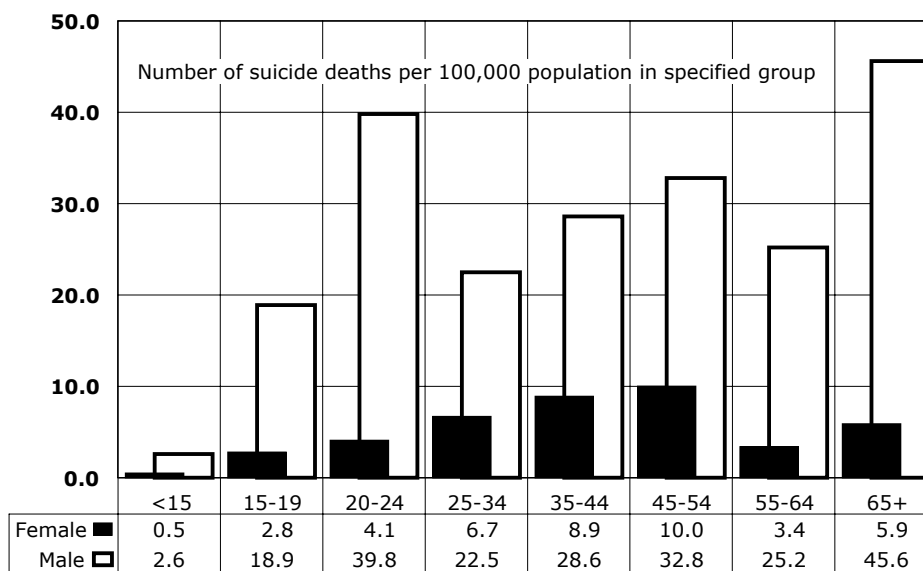


Figure 3-4
Suicide Mortality Rates by Age Group and Gender, Arizona, 2000

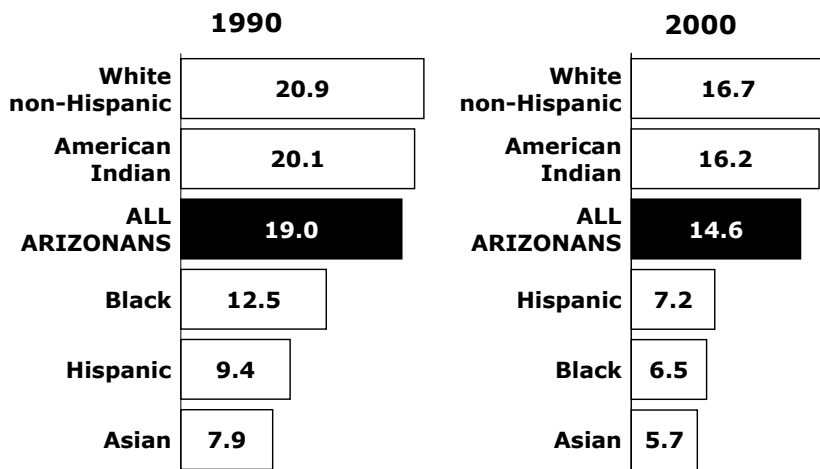
Among males, the suicide rate of elderly (65 years and older), was the highest among all age groups in 2000 (**Figure 3-4**). Among females, the highest suicide rate was among those 45-54 years old (10.0/100,000).

The 2000 suicide death rate among males 20-24 years old (39.8/100,000) was 9.7 times greater than the corresponding female rate of 4.1/100,000.



INTENTIONAL SELF-HARM (SUICIDE)

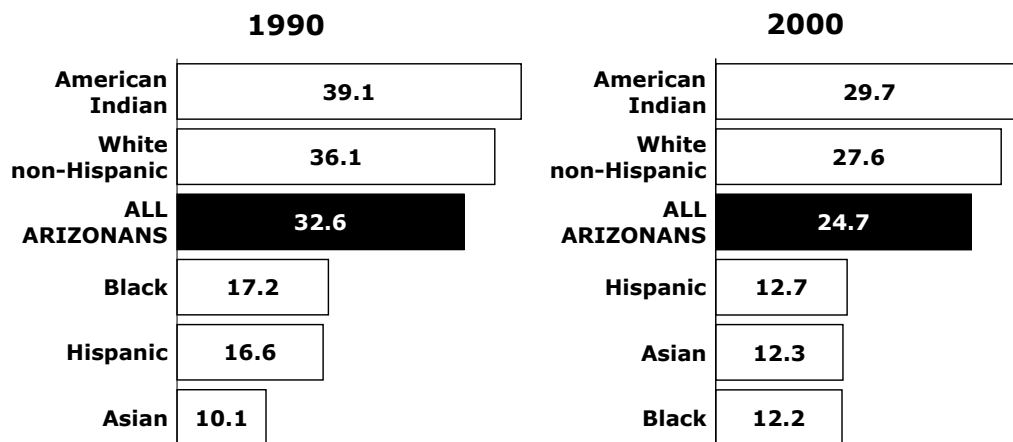
Figure 3-5
Age-Adjusted Mortality Rates for Suicide by Race/Ethnic Group, Arizona, 1990 and 2000



Number of deaths per 100,000 population in specified group age-adjusted to the 2000 U.S. standard

Both in 1990 and 2000, White non-Hispanics followed by American Indians had the highest suicide mortality rates among racial/ethnic groups (**Figure 3-5**). The suicide rates declined from 1990 to 2000 for all five ethnic groups.

Figure 3-6
Age-Adjusted Mortality Rates for Suicide by Race/Ethnic Group Among Males, Arizona, 1990 and 2000



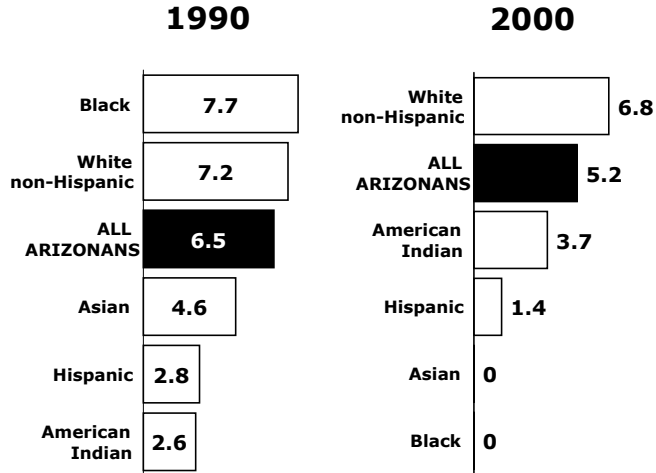
Number of deaths per 100,000 population in specified group age-adjusted to the 2000 U.S. standard

As in 1990, the suicide rate for American Indian males was the highest gender-specific rate in 2000 among the racial/ethnic groups (**Figure 3-6**). Both in 1990 and 2000, it exceeded the suicide rate for all males by 20 percent.

INTENTIONAL SELF-HARM (SUICIDE)

Figure 3-7
Age-Adjusted Mortality Rates for Suicide by Race/Ethnic Group Among Females, Arizona, 1990 and 2000

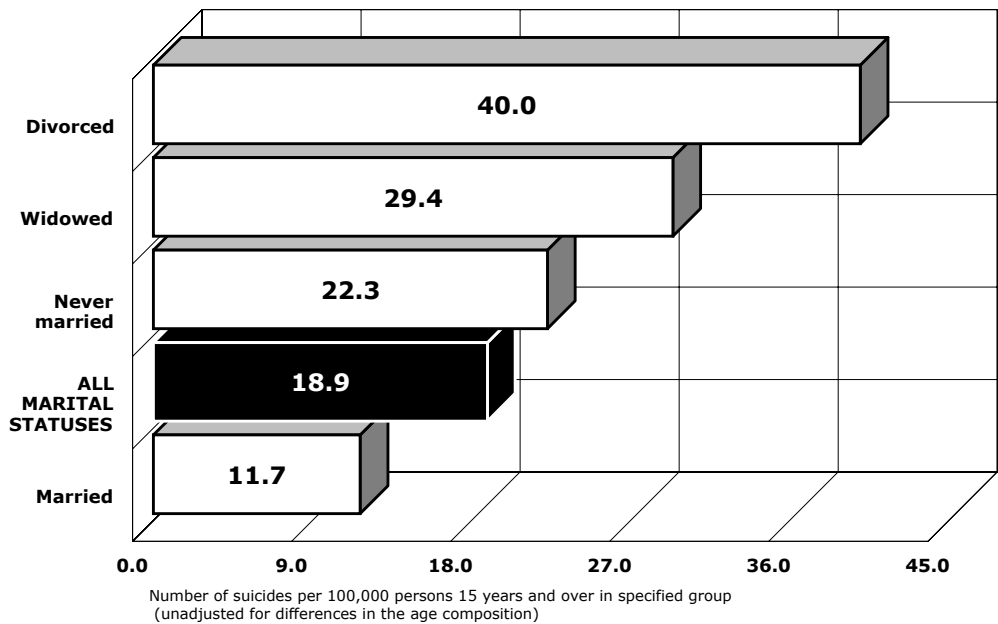
In 1990, the suicide death rate among Black females was the highest gender-specific rate among race/ethnic groups in Arizona (**Figure 3-7**). In 2000, no suicide deaths were reported among Black or Asian females in the State. In contrast, American Indian females died from their own hand at higher rates in 2000 than in 1990.



Number of deaths per 100,000 population in specified group age-adjusted to the 2000 U.S. standard

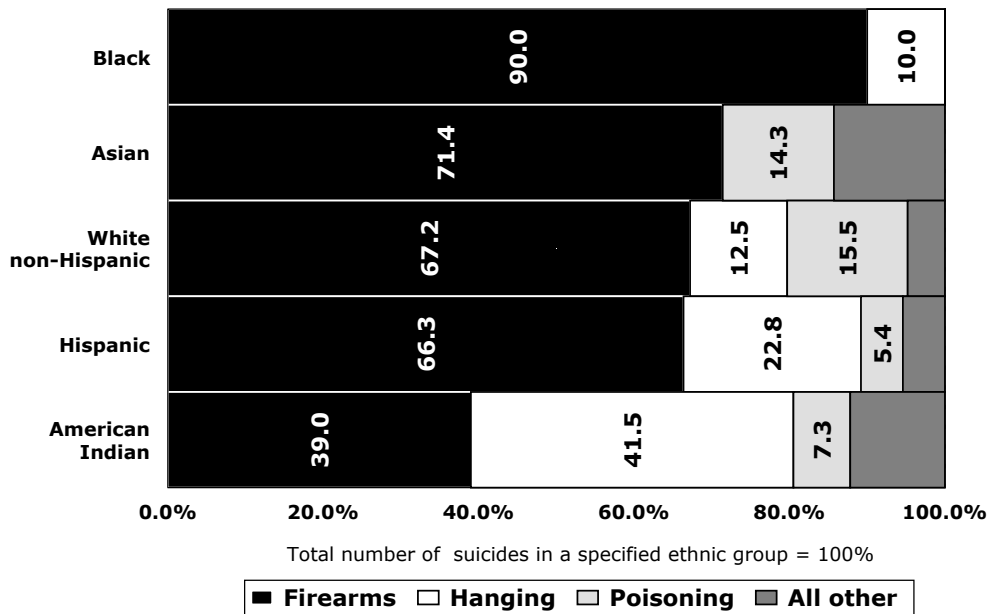
Figure 3-8
Mortality Rates for Intentional Self-Harm (suicide) by Marital Status, Arizona, 2000

Married Arizonans clearly were the least likely to end their own lives in 2000 compared to Arizonans in other marital statuses (**Figure 3-8**). Marital disruption in the form of divorce or death of a spouse was a factor that increased the risk of committing suicide. A divorced person was 3.4 times, a widowed person 2.5 times, and a never married person 1.9 times more likely to end his/her own life than a married Arizonan.



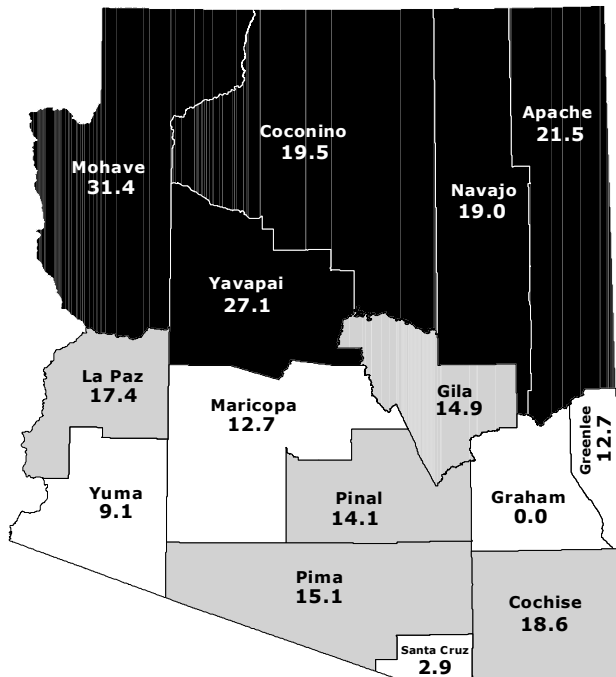
INTENTIONAL SELF-HARM (SUICIDE)

Figure 3-9
Suicide Mortality by Means of Injury and Ethnic Group,
Arizona, 2000



Firearms accounted for 90 percent of suicide deaths among Arizona's Blacks (Figure 3-9). American Indian suicides were more likely to be from hanging or strangulation (41.5 percent) than firearm use (39 percent).

Figure 3-10
Age-Adjusted Suicide Mortality Rates*
by County of Residence, Arizona, 2000



The age-adjusted suicide mortality rates varied in Arizona in 2000 from zero (no suicides) in Graham County, to 31.4 suicides per 100,000 residents of Mohave County (Figure 3-10).

* NUMBER OF DEATHS PER 100,000 POPULATION
 (age-adjusted to 2000 standard)

INTENTIONAL SELF-HARM (SUICIDE) DATA TABLES

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**TABLE 3-1
NUMBER OF SUICIDES AND AGE-ADJUSTED SUICIDE MORTALITY RATES^a
BY GENDER AND YEAR, ARIZONA, 1990-2000**

GENDER	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MALE											
--Number	573	541	532	617	663	671	619	662	674	613	604
--Rate	32.6	30.5	29.1	32.4	33.5	31.5	28.7	29.5	28.6	25.7	24.7
FEMALE											
--Number	119	117	128	137	153	187	143	148	171	160	133
--Rate	6.5	6.4	6.6	7.0	7.6	8.8	6.4	6.4	7.1	6.5	5.2
TOTAL											
--Number	692	658	660	775 ^b	816	858	762	810	845	773	737
--Rate	19.0	17.9	17.4	19.1	20.2	19.8	17.2	17.7	17.7	15.8	14.6
Rate ratio, M:F	5.0	4.8	4.4	4.6	4.4	3.6	4.5	4.6	4.0	4.0	4.7
Percent MALE suicides^c	82.8	82.2	80.6	79.6	81.3	78.2	81.2	81.7	79.8	79.3	81.9

^a Number of suicides per 100,000 population in specified group age-adjusted to the 2000 U.S. standard. The age-adjusted mortality rates in this report, based on the (new) 2000 standard, CANNOT BE compared to previously published rates which use the 1940 standard population.

^b Includes one record with unspecified gender.

^c TOTAL suicides = 100 percent.

**TABLE 3-2
AGE-SPECIFIC* SUICIDE MORTALITY RATES FOR ARIZONA AND UNITED STATES,
1990-2000**

YEAR	AREA	AGE GROUP								
		15-24	25-34	35-44	45-54	55-64	65+			
1990	AZ	21.5	25.2	21.2	22.0	24.0	31.3			
	U.S.	13.6	15.1	14.4	14.4	15.2	20.5			
1991	AZ	20.0	19.3	20.5	26.5	20.5	29.3			
	U.S.	13.1	14.1	14.6	14.0	14.3	19.7			
1992	AZ	16.0	19.5	23.5	20.4	23.5	29.4			
	U.S.	12.9	14.2	14.4	14.5	14.5	19.1			
1993	AZ	25.3	24.0	23.6	22.4	21.7	29.2			
	U.S.	13.8	14.9	14.5	14.1	14.2	18.9			
1994	AZ	30.8	25.8	26.3	23.9	20.5	26.7			
	U.S.	14.9	16.0	15.4	13.2	14.5	18.1			
1995	AZ	21.6	30.0	30.0	22.5	19.8	29.0			
	U.S.	13.3	15.4	15.2	14.6	13.3	18.1			
1996	AZ	20.9	22.3	24.4	21.8	14.9	23.3			
	U.S.	12.1	12.0	14.5	15.5	14.9	17.3			
1997	AZ	23.4	22.4	26.3	20.3	14.6	24.1			
	U.S.	11.4	14.3	15.3	14.7	13.5	16.8			
1998	AZ	18.5	23.6	26.3	24.2	17.6	23.6			
	U.S.	11.1	13.8	15.4	14.8	13.1	16.9			
1999	AZ	12.6	19.7	21.0	21.9	22.5	23.2			
	U.S.	10.3	13.5	14.4	14.2	12.4	15.9			
2000	AZ	17.0	14.9	18.9	21.2	13.8	23.4			
	U.S.	10.1	NA	NA	NA	NA	NA			

* Number of suicides per 100,000 population in specified age group.

**TABLE 3-3
NUMBER OF SUICIDES AND SUICIDE RATES^a FOR PERSONS 15-24 YEARS
OLD BY AGE GROUP AND YEAR, ARIZONA AND UNITED STATES, 1990-2000**

Year	Area	Under 15 Years ^b	15-24 Years			
			Total, 15-24 Years	15-19 Years	20-24 Years	
1990	AZ	1.6 (4) ^c	21.5 (116)	16.1 (42)	26.4 (74)	
	U.S.	1.5	13.6	11.1	15.1	
1991	AZ	2.3 (6)	20.0 (111)	18.3 (49)	21.6 (62)	
	U.S.	1.5	13.1	11.0	14.9	
1992	AZ	3.7 (10)	16.0 (91)	12.4 (34)	20.4 (57)	
	U.S.	1.7	12.9	10.8	14.9	
1993	AZ	3.8 (11)	25.3 (139)	22.7 (58)	27.6 (81)	
	U.S.	1.7	13.8	10.9	15.8	
1994	AZ	3.1 (9)	30.8 (170)	23.7 (62)	37.3 (108)	
	U.S.	2.1	14.9	11.1	16.4	
1995	AZ	3.7 (11)	21.6 (123)	18.7 (52)	24.4 (71)	
	U.S.	1.7	13.3	10.5	16.2	
1996	AZ	2.2 (7)	20.9 (128)	18.2 (56)	23.5 (72)	
	U.S.	1.6	12.1	9.7	14.5	
1997	AZ	2.1 (7)	23.4 (147)	23.7 (75)	23.0 (72)	
	U.S.	1.6	12.1	9.4	13.6	
1998	AZ	3.5 (12)	18.5 (120)	15.2 (50)	21.9 (70)	
	U.S.	1.7	11.1	8.9	13.6	
1999	AZ	2.0 (7)	12.6 (85)	10.6 (36)	14.7 (49)	
	U.S.	NA ^d	10.1	NA	NA	
2000	AZ	1.6 (6)	17.0 (124)	11.1 (41)	22.9 (83)	
	U.S.	NA	10.1	NA	NA	

^a Number of suicides per 100,000 population in specified group.

^b Population 10-14 years old.

^c Numbers in parentheses are the numbers of suicide deaths in specified age groups of Arizona residents.

^d Not available.

Note: The U.S. data for 1990-1998 are available at <http://www.cdc.gov/ncipc/wisqars>.

**TABLE 3-4
NUMBER OF SUICIDES BY ETHNIC GROUP, AGE GROUP AND YEAR, ARIZONA, 1990-2000**

Race/ethnicity	Age group	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
White non-Hispanic	<15	3	5	8	8	5	7	4	4	6	3	5	
	15-19	30	28	26	36	36	33	34	38	27	17	26	
	20-24	53	44	35	55	65	45	43	45	42	32	38	
	25-34	123	91	90	118	123	143	106	115	111	86	77	
	35-44	91	82	108	112	133	158	140	157	163	114	114	
	45-54	68	80	61	84	83	96	101	94	122	110	118	
	55-64	68	57	70	58	58	61	50	48	62	79	55	
	65+	142	136	139	148	139	161	136	143	148	147	153	
	UNKNOWN	1	1	0	0	0	0	0	1	1	1	1	0
	TOTAL	579	524	537	619	642	704	615	645	682	589	586	
	Hispanic	<15	0	0	1	1	1	1	1	1	3	2	0
		15-19	3	10	3	13	16	12	13	24	14	13	8
		20-24	9	8	13	15	30	18	20	12	17	9	31
25-34		16	14	21	23	21	27	22	22	28	33	23	
35-44		11	15	11	12	16	19	19	12	17	28	15	
45-54		6	10	7	1	10	6	3	4	10	9	9	
55-64		3	6	3	5	3	2	1	4	2	5	3	
65+		5	5	6	3	1	4	7	7	7	7	3	
TOTAL		53	68	65	73	98	89	86	86	98	106	92	
Black		<15	0	1	0	0	0	2	0	0	0	0	0
		15-19	1	6	1	4	1	4	1	3	1	0	3
		20-24	5	2	1	2	6	2	3	4	2	4	2
		25-34	4	7	7	4	4	5	6	5	4	5	0
	35-44	4	3	1	1	2	1	2	3	1	5	1	
	45-54	0	1	2	1	1	2	1	2	2	2	3	
	55-64	0	0	0	0	0	0	0	0	1	0	1	
	65+	1	2	1	0	0	3	0	2	0	3	0	
	TOTAL	15	22	13	12	14	19	13	19	11	19	10	
	American Indian	<15	1	0	1	2	3	1	2	1	3	1	1
		15-19	8	5	4	5	8	3	7	10	5	5	4
		20-24	7	8	7	9	6	5	4	8	9	4	11
		25-34	14	13	11	12	19	18	18	11	20	17	7
35-44		5	10	9	14	9	11	6	10	7	7	13	
45-54		2	3	4	4	4	1	3	6	0	5	3	
55-64		1	0	1	2	2	1	1	0	1	3	1	
65+		2	1	2	0	0	1	1	2	1	1	1	
TOTAL		40	40	39	48	51	41	42	48	46	43	41	

TABLE 3-4 (continued)
NUMBER OF SUICIDES BY ETHNIC GROUP, AGE GROUP AND YEAR, ARIZONA, 1990-2000

Race/ethnicity	Age group	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Asian	<15	0	0	0	0	0	0	0	1	0	0	0	
	15-19	0	0	0	0	1	0	1	0	3	0	0	
	20-24	0	0	1	0	1	1	2	3	0	0	0	
	25-34	3	1	1	0	2	0	1	3	2	2	4	
	35-44	1	1	2	1	1	1	0	3	2	2	2	
	45-54	1	0	0	1	4	0	0	1	0	1	0	
	55-64	0	0	0	1	0	0	0	1	1	2	1	
	65+	0	0	0	0	1	1	1	0	0	0	0	
	TOTAL	5	2	4	3	10	3	5	12	8	7	7	
	Other/Unknown	<15	0	0	0	0	0	0	0	0	0	0	0
		15-19	0	0	0	0	0	0	0	0	0	1	0
		20-24	0	0	0	0	0	0	0	0	0	0	1
		25-34	0	0	0	0	1	0	0	0	0	0	0
35-44		0	0	0	0	0	0	0	0	0	2	0	
45-54		0	1	1	0	0	0	0	0	0	2	0	
55-64		0	0	0	0	0	1	0	0	0	1	0	
65+		0	0	0	0	0	0	0	0	0	0	2	
UNKNOWN		0	1	1	0	0	0	1	1	0	0	0	
TOTAL		0	2	2	0	1	2	2	1	0	0	9	
All groups, total		<15	4	6	10	11	9	11	7	7	12	7	6
		15-19	42	49	34	58	62	52	56	75	50	36	41
		20-24	74	62	57	81	108	71	72	72	70	49	83
	25-34	160	126	130	157	170	193	153	156	165	143	111	
	35-44	112	111	131	140	161	190	167	185	190	158	145	
	45-54	77	95	75	91	102	105	109	107	134	129	133	
	55-64	72	63	74	66	63	65	52	53	67	90	61	
	65+	150	144	148	151	141	170	144	154	156	160	157	
	UNKNOWN	1	2	1	0	0	1	2	1	1	1	0	
	TOTAL	692	658	660	755	816	858	762	810	845	773	737	

**TABLE 3-5
NUMBER OF SUICIDES AND SUICIDE MORTALITY RATES* BY AGE GROUP AND GENDER,
ARIZONA, 2000**

	Male		Female		Total	
	Count	Rate	Count	Rate	Count	Rate
<15	5	2.6	1	0.5	6	1.6
15-19	36	18.9	5	2.8	41	11.1
20-24	76	39.8	7	4.1	83	22.9
25-34	87	22.5	24	6.7	111	14.9
35-44	111	28.6	34	8.9	145	18.9
45-54	101	32.8	32	10.0	133	21.2
55-64	53	25.2	8	3.4	61	13.8
65+	135	45.6	22	5.9	157	23.6
TOTAL	604	23.6	133	5.2	737	14.4

* Number of suicides per 100,000 population in specified group.

**TABLE 3-6
SUICIDE MORTALITY BY MARITAL STATUS AND AGE GROUP,
ARIZONA, 2000**

	MARITAL STATUS						TOTAL
	Never married	Married	Widowed	Divorced	Unknown		
<15	6	0	0	0	0	0	6
15-19	41	0	0	0	0	0	41
20-24	67	12	0	4	0	0	83
25-34	60	34	0	17	0	0	111
35-44	39	60	2	42	2	2	145
45-54	16	49	4	62	2	2	133
55-64	5	31	8	16	1	1	61
65+	4	70	55	26	2	2	157
TOTAL, ALL AGES	238	256	69	167	7	7	737
Suicides among persons 15 and over	232	256	69	167	7	7	731
Estimated number of persons 15 and over by category of marital status	1,041,370	2,181,310	234,403	417,276	NA	NA	3,874,359
Suicide rate* per 100,000 persons 15+	22.3	11.7	29.4	40.0	NA	NA	18.9

Note: The 2000 population denominators by marital status are from the U.S. Bureau of the Census (QT-02. Profile of Selected Social Characteristics: 2000).

* Unadjusted for differences in the age composition.

**TABLE 3-7
SUICIDE MORTALITY BY MEANS OF INJURY RACE/ETHNICITY AND GENDER, ARIZONA, 2000**

	RACE/ETHNICITY							GENDER	
	White non-Hispanic	Hispanic	Black	American Indian	Asian	Other/Unknown	TOTAL	Male	Female
Intentional self-harm by firearm discharge	394	61	9	16	5	1	486	432	54
Hanging, strangulation or suffocation	73	21	1	17	0	0	112	92	20
Poisoning by drugs, medicaments and biological substances	54	4	0	1	0	0	59	21	38
Poisoning by gases or vapors	37	1	0	2	1	0	41	31	10
Intentional self-harm by sharp object	7	1	0	1	0	0	9	9	0
Intentional self-harm by drowning and submersion	3	0	0	0	0	0	3	2	1
Intentional self-harm by other specified means	18	4	0	4	1	0	27	17	10
Total:	586	92	10	41	7	1	737	604	133

**TABLE 3-8
SUICIDE MORTALITY RATES* BY COUNTY OF RESIDENCE, ARIZONA, 1990-2000**

COUNTY OF RESIDENCE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	16.2	22.4	12.7	15.6	4.6	14.1	20.2	26.0	13.6	25.4	20.2
Cochise	21.5	22.2	14.8	13.6	26.9	22.8	13.9	14.6	16.9	16.1	18.7
Coconino	12.4	16.1	16.8	21.2	17.9	25.5	22.0	17.3	21.9	15.5	16.3
Gila	34.8	9.9	28.2	26.1	25.9	38.4	28.7	26.0	25.5	23.9	13.6
Graham	0.0	7.4	18.1	17.8	14.0	19.1	9.6	15.5	15.0	25.2	0.0
Greenlee	0.0	0.0	0.0	23.6	23.4	35.3	11.6	22.9	22.6	10.8	11.7
La Paz	36.1	21.4	20.2	26.6	6.5	24.2	44.0	37.3	25.9	15.6	20.3
Maricopa	18.2	15.8	14.6	17.3	17.3	18.0	15.3	15.0	15.1	13.0	12.4
Mohave	28.9	28.3	32.2	32.0	34.5	27.7	16.4	21.9	23.3	25.9	33.5
Navajo	20.6	21.6	24.9	30.6	26.5	26.6	16.6	21.1	23.1	17.1	17.4
Pima	17.8	18.6	19.1	18.4	21.1	18.3	15.5	17.9	18.7	18.6	15.3
Pinal	29.2	26.9	19.6	19.2	21.3	20.5	24.3	15.5	24.2	15.1	13.9
Santa Cruz	3.5	16.2	9.7	9.4	12.3	9.0	8.6	11.2	10.9	12.8	2.6
Yavapai	32.5	22.3	29.8	22.2	32.3	33.7	22.2	26.5	27.1	28.9	29.8
Yuma	11.2	16.3	12.4	13.0	16.1	13.0	15.2	14.8	14.5	11.5	9.4
ARIZONA	18.9	17.5	17.1	19.1	20.2	20.5	17.1	17.6	17.9	15.7	14.4

* Rates per 100,000 population (unadjusted for differences in the age composition).

**TABLE 3-9
NUMBER OF SUICIDES BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	10	14	8	10	3	9	13	17	9	17	14
Cochise	21	22	15	14	28	25	16	17	20	20	22
Coconino	12	16	17	22	19	28	25	20	26	19	19
Gila	14	4	12	11	11	17	13	12	12	12	7
Graham	0	2	5	5	4	6	3	5	5	9	0
Greenlee	0	0	0	2	2	3	1	2	2	1	1
Maricopa	386	345	327	395	404	437	402	407	425	379	381
Mohave	27	28	34	35	39	35	21	29	32	37	52
Navajo	16	17	20	25	22	22	14	18	20	16	17
Pima	119	127	134	132	155	137	121	143	153	157	129
Pinal	34	32	24	24	27	28	35	23	37	25	25
Santa Cruz	1	5	3	3	4	3	3	4	4	5	1
Yavapai	35	25	34	26	39	43	30	37	39	45	50
Yuma	12	18	14	15	19	16	19	19	19	16	15
La Paz	5	3	3	4	1	4	8	7	5	3	4
Unknown	0	0	10	32	39	45	38	50	37	12	0
TOTAL	692	658	660	755	816	858	762	810	845	773	737

**TABLE 3-10
NUMBER OF SUICIDES FOR PERSONS 15-19 YEARS OLD BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	1	2	0	1	0	1	1	4	1	1	0
Cochise	1	3	0	3	3	1	2	0	1	1	0
Coconino	3	2	2	1	1	3	2	1	2	0	2
Gila	1	1	2	0	1	1	0	0	0	1	0
Graham	0	0	0	0	0	1	1	0	2	1	0
Greenlee	0	0	0	1	0	0	0	0	0	0	0
Maricopa	25	27	16	30	32	28	32	41	25	16	26
Mohave	1	0	2	2	1	0	2	2	0	4	1
Navajo	2	1	1	3	2	1	2	3	1	2	1
Pima	5	6	5	8	9	4	7	11	12	5	9
Pinal	0	3	2	2	2	1	2	3	1	1	2
Santa Cruz	0	1	0	0	0	0	0	0	0	0	0
Yavapai	2	3	0	1	3	2	0	1	1	1	0
Yuma	0	0	2	1	0	2	0	1	1	1	0
La Paz	1	0	0	0	0	0	0	0	1	0	0
Unknown	0	0	2	5	8	7	5	8	2	2	0
TOTAL	42	49	34	58	62	52	56	75	50	36	41

**TABLE 3-11
NUMBER OF SUICIDES FOR ELDERLY (65 YEARS AND OVER) BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	1	2	1	0	0	2	1	0	0	1	1
Cochise	8	5	3	2	5	6	3	6	8	3	8
Coconino	0	2	0	2	1	1	2	0	4	2	5
Gila	5	1	6	4	5	6	1	4	6	5	1
Graham	0	0	2	0	0	2	0	1	2	2	0
Greenlee	0	0	0	0	1	1	0	0	0	0	0
Maricopa	76	69	60	70	67	82	81	71	74	66	70
Mohave	6	10	12	10	6	11	6	9	11	9	15
Navajo	2	1	3	2	0	0	1	1	3	1	0
Pima	20	28	36	32	31	36	21	33	25	43	23
Pinal	8	6	6	7	6	6	13	6	2	4	4
Santa Cruz	0	2	1	2	1	0	1	0	0	0	0
Yavapai	17	8	14	15	9	12	8	14	13	16	21
Yuma	4	9	3	3	9	4	6	6	8	6	6
La Paz	3	1	1	2	0	1	0	3	0	2	3
TOTAL	150	144	148	151	141	170	144	154	156	160	157

**TABLE 3-12
SUICIDE MORTALITY BY MONTH AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
JAN	74	59	62	67	50	77	77	75	79	71	73
FEB	62	50	64	65	78	61	62	42	58	63	68
MARCH	66	62	59	61	63	82	65	68	69	75	67
APRIL	58	66	46	67	75	69	66	58	70	71	70
MAY	56	58	58	53	78	71	65	78	77	61	54
JUNE	51	65	58	64	62	76	62	81	70	62	73
JULY	55	47	58	67	68	81	75	80	80	64	67
AUG	46	67	52	68	78	89	66	71	79	68	42
SEPT	64	58	50	63	67	81	68	75	77	60	66
OCT	58	48	43	58	69	57	57	61	58	63	53
NOV	56	45	55	51	75	62	65	59	68	71	50
DEC	46	33	55	71	53	52	34	62	60	44	54
TOTAL	692	658	660	755	816	858	762	810	845	773	737

**TABLE 3-13
SUICIDAL DEATHS BY GENDER, MEANS OF INJURY, AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
MALE	Total	Count 573	541	532	618	663	671	662	674	613	604	
		Percent 100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Intentional self-harm by firearm discharge	Count 415	385	383	459	468	480	450	464	491	430	432
		Percent 72.4%	71.2%	72.0%	74.3%	70.6%	71.5%	72.7%	70.1%	72.8%	70.1%	71.5%
	Hanging, strangulation or suffocation	Count 65	59	66	71	89	88	85	107	95	84	92
		Percent 11.3%	10.9%	12.4%	11.5%	13.4%	13.1%	13.7%	16.2%	14.1%	13.7%	15.2%
	Poisoning by drugs, medicaments and biological substances	Count 46	31	45	48	46	48	29	42	44	60	21
		Percent 8.0%	5.7%	8.5%	7.8%	6.9%	7.2%	4.7%	6.3%	6.5%	9.8%	3.5%
	Poisoning by gases or vapors	Count 33	39	22	24	32	33	32	26	19	21	31
		Percent 5.8%	7.2%	4.1%	3.9%	4.8%	4.9%	5.2%	3.9%	2.8%	3.4%	5.1%
	Intentional self-harm by sharp object	Count 4	9	4	6	11	10	11	13	8	9	9
		Percent .7%	1.7%	.8%	1.0%	1.7%	1.5%	1.8%	2.0%	1.2%	1.5%	1.5%
	Intentional self-harm by drowning and submersion	Count 2	2	3	1	2	0	1	1	0	0	2
		Percent .3%	.4%	.6%	.2%	.3%	.0%	.2%	.2%	.0%	.0%	.3%
	Intentional self-harm by other specified means	Count 8	16	9	9	15	12	11	9	17	9	17
	Percent 1.4%	3.0%	1.7%	1.5%	2.3%	1.8%	1.8%	1.4%	2.5%	1.5%	2.8%	
FEMALE	Total	Count 119	117	128	137	153	187	143	148	171	160	133
		Percent 100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Intentional self-harm by firearm discharge	Count 62	54	66	73	77	91	77	74	79	65	54
		Percent 52.1%	46.2%	51.6%	53.3%	50.3%	48.7%	53.8%	50.0%	46.2%	40.6%	40.6%
	Hanging, strangulation or suffocation	Count 20	11	11	9	19	13	18	17	25	30	20
		Percent 16.8%	9.4%	8.6%	6.6%	12.4%	7.0%	12.6%	11.5%	14.6%	18.8%	15.0%
	Poisoning by drugs, medicaments and biological substances	Count 28	36	37	45	38	65	31	38	48	45	38
		Percent 23.5%	30.8%	28.9%	32.8%	24.8%	34.8%	21.7%	25.7%	28.1%	28.1%	28.6%
	Poisoning by gases or vapors	Count 7	8	8	4	12	10	6	9	10	9	10
		Percent 5.9%	6.8%	6.3%	2.9%	7.8%	5.3%	4.2%	6.1%	5.8%	5.6%	7.5%
	Intentional self-harm by sharp object	Count 1	3	1	1	3	3	4	1	1	2	0
		Percent .8%	2.6%	.8%	.7%	2.0%	1.6%	2.8%	.7%	.6%	1.3%	.0%
	Intentional self-harm by drowning and submersion	Count 1	2	2	0	2	1	1	2	1	2	1
		Percent .8%	1.7%	1.6%	.0%	1.3%	.5%	.7%	1.4%	.6%	1.3%	.8%
	Intentional self-harm by other specified means	Count 0	3	3	5	2	4	6	7	7	7	10
	Percent .0%	2.6%	2.3%	3.6%	1.3%	2.1%	4.2%	4.7%	4.1%	4.4%	7.5%	

Note: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-9, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 3-14
SUICIDE MORTALITY BY MEANS OF INJURY AND AGE GROUP,
ARIZONA, 2000**

	<15	15-19	20-24	25-34	35-44	45-54	55-64	65+	TOTAL
Intentional self-harm by firearm discharge	1	26	60	62	83	83	44	127	486
Hanging, strangulation or suffocation	3	9	13	25	36	14	4	8	112
Poisoning by drugs, medicaments and biological substances	0	1	3	12	9	21	5	8	59
Poisoning by gases or vapors	0	1	3	6	9	11	4	7	41
Intentional self-harm by sharp object	0	1	0	2	0	1	2	3	9
Intentional self-harm by drowning and submersion	0	0	0	0	0	0	0	3	3
Intentional self-harm by other specified means	2	3	4	4	8	3	2	1	27
TOTAL	6	41	83	111	145	133	61	157	737

**TABLE 3-15
SUICIDE DEATHS BY FIVE-YEAR AGE GROUPS AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
10-14	4	6	10	11	9	11	7	7	12	7	6
15-19	42	49	34	58	62	52	56	75	50	36	41
20-24	74	62	57	81	108	71	72	72	70	49	83
25-29	81	59	67	82	71	97	77	85	87	67	52
30-34	79	67	63	75	99	96	76	71	78	76	59
35-39	69	54	72	83	79	96	87	85	89	79	62
40-44	43	57	59	57	82	94	80	100	101	79	83
45-49	45	57	50	60	58	63	60	59	77	67	68
50-54	32	38	25	31	44	42	49	48	57	62	65
55-59	36	28	36	42	26	35	33	26	41	56	40
60-64	36	35	38	24	37	30	19	27	26	34	21
65-69	38	32	36	34	30	38	31	26	27	22	34
70-74	38	40	35	38	42	40	27	41	31	27	38
75-79	32	33	29	28	31	37	35	39	48	47	32
80-84	22	21	29	28	17	36	22	28	23	37	27
85-89	12	15	15	18	11	14	22	17	20	22	21
90-94	8	3	2	4	7	4	6	3	7	3	4
95-99	0	0	2	1	3	0	1	0	0	2	1
100+	0	0	0	0	0	1	0	0	0	0	0
Unknown	1	2	1	0	0	1	2	1	1	1	0
Total	692	658	660	755	816	858	762	810	845	773	737

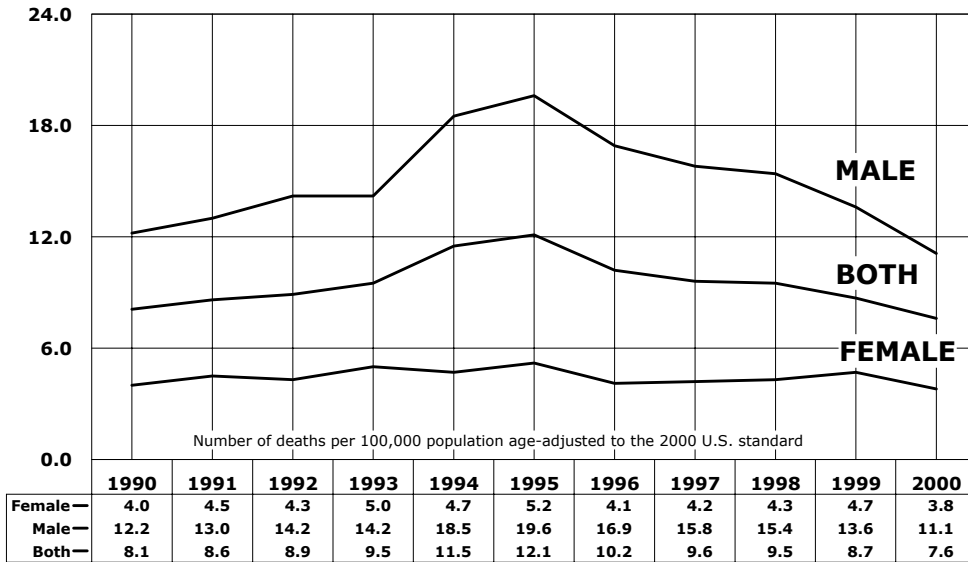
ASSAULT (HOMICIDE)

4



ASSAULT (HOMICIDE)

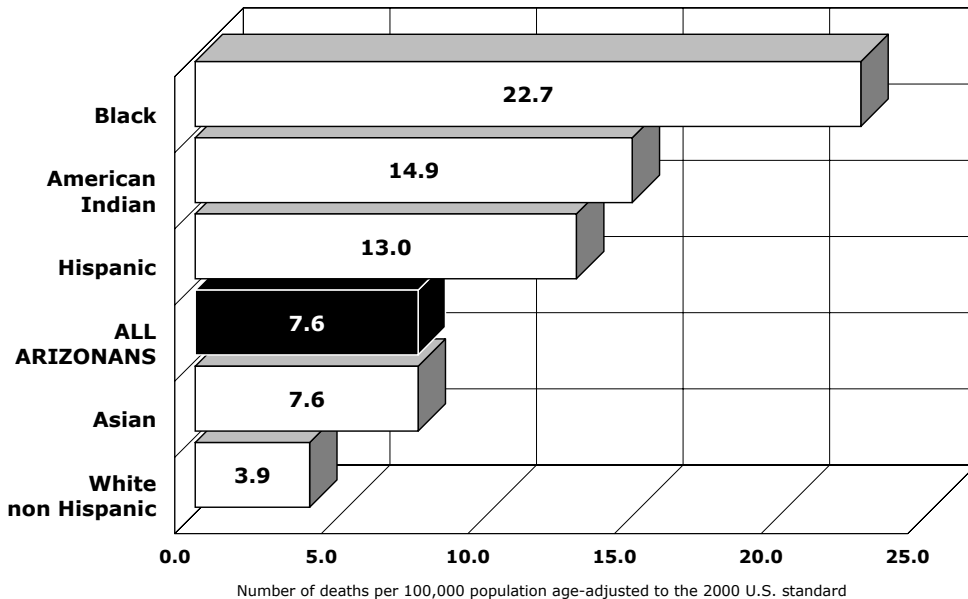
Figure 4-1
Age-Adjusted Mortality Rates for Assault (Homicide)
by Gender and Year, Arizona, 1990-2000



Arizona experienced five consecutive annual increases in homicide mortality from 1990 to 1995 (**Figure 4-1**). From 1995 to 2000, the homicide mortality declined by 39.2 percent to a rate of 7.6/100,000. The change from ICD-9 to ICD-10 did not substantially affect mortality patterns for homicide.

The homicide death rate among Arizona females decreased from 4.7/100,000 in 1999 to 3.8/100,000 in 2000. The homicide death rate among Arizona males declined from 13.6 in 1999 to 11.1 in 2000.

Figure 4-2
Age-Adjusted Mortality Rates for Assault (Homicide)
by Race/Ethnic Group, Arizona, 2000

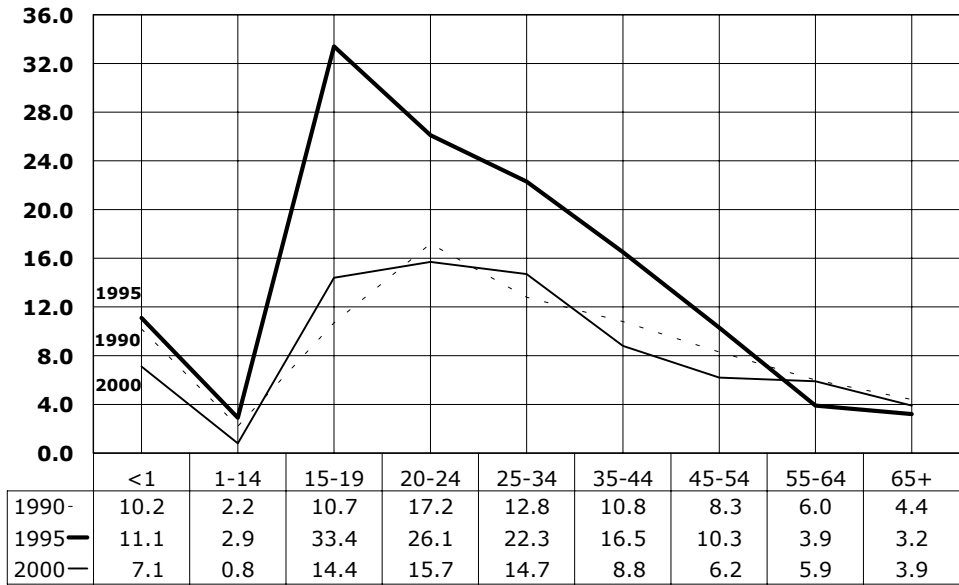


The 2000 homicide rates were substantially higher among Black, American Indian and Hispanic residents of the state compared to homicide rates among White non-Hispanics and Asians. Blacks were 5.7 times more likely, while American Indians 4.6 times and Hispanics 3.7 times more likely to die from assault than White non-Hispanics (**Figure 4-2**).

ASSAULT (HOMICIDE)

Figure 4-3
Mortality Rates for Assault (Homicide) by Age Group
for Selected Years, Arizona, 1990, 1995, and 2000

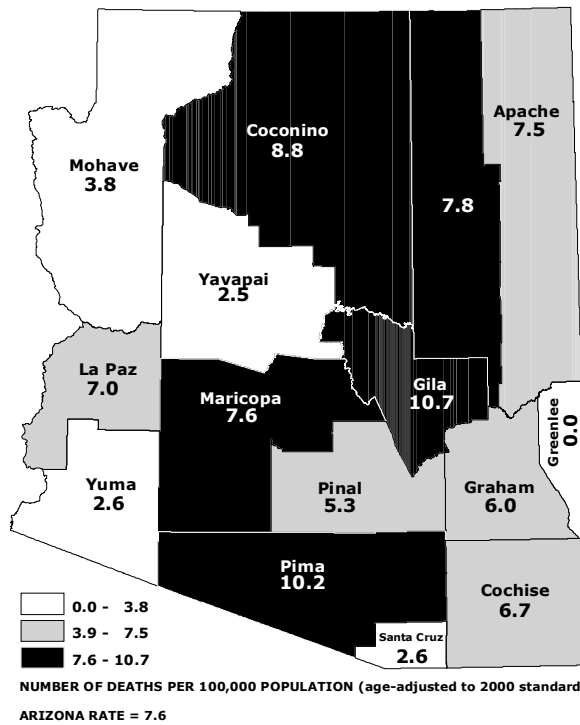
The 1995 homicide death rate of 12.1/100,000 exceeded the 1990 rate by 49.4 percent. The number of Arizonans who were murdered increased from 302 in 1990 to 530 in 1995 (**Table 4-1**). The 1995 homicide rates were particularly high among adolescents 15-19 years old and Arizonans aged 20-54 (**Figure 4-3**).



Number of homicide deaths per 100,000 population in specified group

Figure 4-4
Age-Adjusted Mortality Rates for Assault (Homicide)
By County of Residence, Arizona, 2000

The age-adjusted homicide mortality rates varied in Arizona in 2000 from zero (no fatalities) in Greenlee County to 10.2/100,000 in Pima and 10.7/100,000 in Gila County (**Figure 4-4**).



ASSAULT (HOMICIDE) DATA TABLES

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**TABLE 4-1
NUMBER OF HOMICIDE DEATHS BY MEANS OF ASSAULT AND YEAR, ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Assault by bodily force	19	2	2	1	0	0	5	0	1	1	1	6
Neglect, abandonment, maltreatment	63	3	2	7	4	9	10	9	5	5	5	4
Assault by drugs, chemicals and noxious substances	11	0	1	0	2	0	3	1	2	1	1	0
Assault by blunt object	4	0	0	0	0	1	0	0	0	0	1	2
Assault by firearms	3131	180	212	238	247	349	383	320	310	318	303	271
Assault by explosives	6	0	1	0	0	1	1	2	1	0	0	0
Assault by drowning and submersion	5	0	0	1	1	1	0	0	0	1	0	1
Assault by hanging, strangulation, suffocation	176	23	15	15	11	17	24	16	15	19	12	9
Assault by sharp object	582	48	52	41	71	49	56	68	48	39	57	53
Assault by fire, flames, smoke	18	1	0	4	1	3	3	0	0	3	1	2
Assault by other means	539	45	49	44	50	47	45	43	61	60	49	46
Total	4554	302	334	351	387	477	530	459	443	447	430	394

**TABLE 4-2
NUMBER OF HOMICIDE DEATHS BY GENDER, AGE GROUP AND YEAR,
ARIZONA, 1990-2000**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all groups	Total	302	334	351	387	477	530	459	443	447	430	394
	Age group											
	<1	7	6	11	4	7	8	4	6	4	6	6
	1-14	16	9	25	23	22	26	26	13	24	11	9
	15-19	28	50	50	61	72	89	72	56	55	51	53
	20-44	181	204	200	238	292	324	279	290	299	273	234
	45-64	45	43	50	36	53	58	59	56	48	66	65
65+	21	22	12	23	27	19	17	21	13	21	21	26
	Unknown	4	0	3	2	4	6	2	1	4	2	1
Male	Total	226	248	268	286	378	417	368	352	348	315	295
	Age group											
	<1	2	2	5	1	4	4	3	4	4	3	4
	1-14	11	2	19	14	11	18	13	8	14	5	6
	15-19	24	41	44	49	62	77	65	46	42	42	43
	20-44	140	159	159	183	240	262	233	236	238	208	193
	45-64	34	28	33	23	41	43	45	46	38	41	39
65+	12	16	6	14	17	9	7	11	9	14	9	
	Unknown	3	0	2	2	3	4	2	1	3	2	1
Female	Total	76	86	83	101	99	113	91	91	99	115	99
	Age group											
	<1	5	4	6	3	3	4	1	2	0	3	2
	1-14	5	7	6	9	11	8	13	5	10	6	3
	15-19	4	9	6	12	10	12	7	10	13	9	10
	20-44	41	45	41	55	52	62	46	54	61	65	41
	45-64	11	15	17	13	12	15	14	10	10	25	26
65+	9	6	6	9	10	10	10	10	4	7	17	
	Unknown	1	0	1	0	1	2	0	0	1	0	0

**TABLE 4-3
NUMBER OF HOMICIDE DEATHS BY RACE/ETHNICITY, GENDER AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all groups											
Total	302	334	351	387	477	530	459	443	447	430	394
Male	226	248	268	286	378	417	368	352	348	315	295
Female	76	86	83	101	99	113	91	91	99	115	99
White non-Hispanic											
Total	149	146	153	171	185	222	155	160	171	146	131
Male	100	102	99	111	134	154	106	108	118	89	88
Female	49	44	54	60	51	68	49	52	53	57	43
Hispanic											
Total	77	96	120	127	155	191	187	184	169	184	180
Male	68	74	105	106	133	166	168	167	142	158	144
Female	9	22	15	21	22	25	19	17	27	26	36
Black											
Total	36	29	34	43	82	60	49	46	48	43	38
Male	30	26	26	35	67	51	40	42	41	31	31
Female	6	3	8	8	15	9	9	4	7	12	7
American Indian											
Total	34	50	39	42	52	52	66	46	52	49	36
Male	25	36	35	32	41	42	52	31	42	32	29
Female	9	14	4	10	11	10	14	15	10	17	7
Asian											
Total	3	12	3	3	2	2	0	5	4	5	7
Male	1	9	2	1	2	2	0	2	3	2	2
Female	2	3	1	2	0	0	0	3	1	3	5
Other/Unknown											
Total	3	1	2	1	1	3	2	2	3	3	2
Male	2	1	1	1	1	2	2	2	2	3	1
Female	1	0	1	0	0	1	0	0	1	0	1

**TABLE 4-4
NUMBER OF HOMICIDE DEATHS BY FIVE-YEAR AGE GROUPS AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<1	6	6	11	4	7	8	4	6	4	6	6
1-4	8	4	7	8	15	11	8	3	9	6	3
5-9	4	1	3	4	3	2	8	3	4	2	5
10-14	5	4	15	11	4	13	10	7	11	3	1
15-19	28	50	50	61	72	89	72	56	55	51	53
20-24	48	46	54	52	88	76	73	81	98	66	57
25-29	43	54	42	55	72	80	67	76	66	72	50
30-34	36	42	45	51	50	65	54	55	54	52	59
35-39	32	31	38	39	54	54	44	49	37	51	37
40-44	22	31	21	41	28	49	41	29	44	32	31
45-49	14	18	20	16	23	28	20	22	22	34	23
50-54	13	9	12	6	11	17	22	19	11	17	16
55-59	8	9	7	9	9	10	12	9	10	8	19
60-64	10	7	11	5	10	3	5	6	5	7	7
65-69	4	7	1	7	5	7	7	5	2	5	9
70-74	6	9	7	10	8	4	3	5	4	7	6
75-79	3	5	1	4	9	2	3	5	3	5	6
80-84	3	1	3	2	3	4	0	3	2	4	4
85-89	2	0	0	0	1	1	1	2	2	0	1
90-94	2	0	0	0	0	1	3	0	0	0	0
95-99	1	0	0	0	1	0	0	1	0	0	0
Unknown	4	0	3	2	4	6	2	1	4	2	1
Total	302	334	351	387	477	530	459	443	447	430	394

**TABLE 4-5
NUMBER OF HOMICIDE DEATHS BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA, 1990-2000**

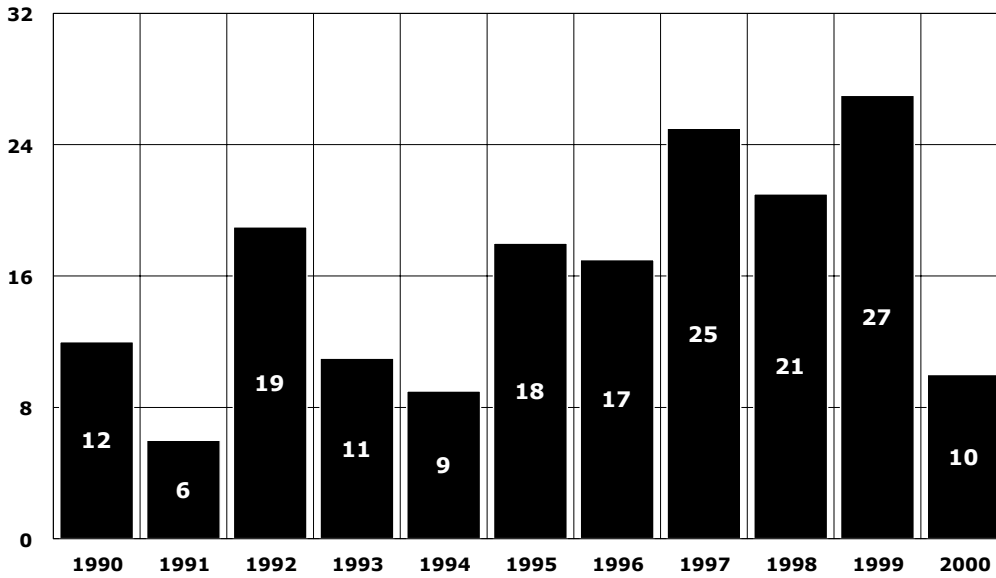
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	14	18	8	10	7	11	25	15	12	7	5
Cochise	1	7	7	4	11	7	4	7	10	3	9
Coconino	4	2	8	4	10	11	5	6	10	12	9
Gila	3	4	3	5	3	5	6	4	2	3	4
Graham	1	0	0	0	1	2	1	2	1	4	2
Greenlee	0	1	2	0	0	0	2	0	0	1	0
Maricopa	183	208	209	222	299	336	262	275	270	282	242
Mohave	10	9	18	16	13	8	10	12	10	14	8
Navajo	6	5	2	15	9	9	11	9	12	6	7
Pima	49	43	58	67	59	95	78	65	69	61	87
Pinal	14	20	15	8	14	20	13	16	18	12	10
Santa Cruz	0	2	3	1	1	2	1	3	3	2	1
Yavapai	11	7	7	10	12	7	5	8	8	11	5
Yuma	3	6	5	8	12	6	2	6	5	7	4
La Paz	3	2	2	1	4	2	2	0	2	0	1
Unknown	0	0	4	16	22	9	32	15	15	5	0
Total	302	334	351	387	477	530	459	443	447	430	394

LEGAL INTERVENTION 5



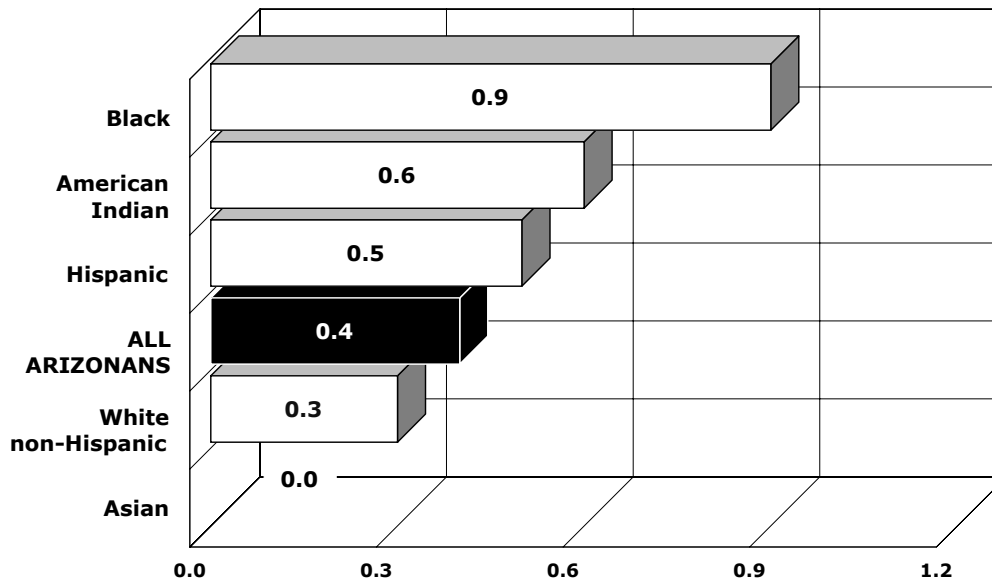
LEGAL INTERVENTION

Figure 5-1
Deaths due to Legal Intervention by Year,
Arizona, 1990-2000



The category "legal intervention" refers to injuries inflicted by the police or other law-enforcing agents in the course of arresting or attempting to arrest lawbreakers, suppressing disturbances, maintaining order, and other legal action (including legal execution). During 1990-2000, 175 deaths of Arizona residents were attributed to the category of legal intervention (**Figure 5-1**).

Figure 5-2
Average Annual Mortality Rates for Legal Intervention
by Race/Ethnic Group, Arizona, 1990-2000



Number of deaths due to legal intervention per 100,000 population in specified group per year from 1990 to 2000

Black residents of Arizona had the highest 1990-2000 rate of death due to legal intervention (**Figure 5-2**). American Indians had the second highest death rate for legal intervention, followed by Hispanics.

LEGAL INTERVENTION DATA TABLES

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**TABLE 5-1
DEATHS DUE TO LEGAL INTERVENTION BY FIVE-YEAR AGE GROUPS AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
10-14	0	0	0	0	0	0	0	0	1	0	0
15-19	0	1	1	0	1	4	3	4	0	4	1
20-24	5	1	3	3	2	2	1	3	2	2	2
25-29	1	2	2	2	2	2	2	4	1	7	2
30-34	1	0	4	1	1	1	4	2	4	6	0
35-39	2	1	2	3	1	4	3	4	2	4	2
40-44	1	1	5	0	1	1	1	2	5	1	1
45-49	2	0	2	0	0	2	2	2	5	0	1
50-54	0	0	0	0	1	2	0	2	1	1	1
55-59	0	0	0	1	0	0	1	1	0	1	0
60-64	0	0	0	1	0	0	0	1	0	0	0
65-69	0	0	0	0	0	0	0	0	0	1	0
Total	12	6	19	11	9	18	17	25	21	27	10

**TABLE 5-2
DEATHS DUE TO LEGAL INTERVENTION BY GENDER, RACE/ETHNICITY, AND YEAR, ARIZONA, 1990-2000**

		Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all causes	Total	175	12	6	19	11	9	18	17	25	21	27	10
	White non-Hispanic	97	5	4	11	6	4	13	9	13	14	11	7
	Hispanic	48	2	1	5	2	1	5	5	8	5	11	3
	Black	13	1	0	3	0	3	0	1	3	1	1	0
	American Indian	16	4	1	0	3	1	0	2	1	1	3	0
	Other/Unknown	1	0	0	0	0	0	0	0	0	0	0	1
Male	Total	164	9	6	17	10	9	18	17	21	20	27	10
	White non-Hispanic	89	3	4	10	6	4	13	9	9	13	11	7
	Hispanic	47	2	1	4	2	1	5	5	8	5	11	3
	Black	13	1	0	3	0	3	0	1	3	1	1	0
	American Indian	14	3	1	0	2	1	0	2	1	1	3	0
	Other/Unknown	1	0	0	0	0	0	0	0	0	0	1	0
Female	Total	11	3	0	2	1	0	0	0	4	1	0	0
	White non-Hispanic	8	2	0	1	0	0	0	0	4	1	0	0
	Hispanic	1	0	0	1	0	0	0	0	0	0	0	0
	American Indian	2	1	0	0	1	0	0	0	0	0	0	0

**TABLE 5-3
DEATHS DUE TO LEGAL INTERVENTION BY RACE/ETHNICITY, AGE GROUP AND YEAR,
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
White non-Hispanic	Total	97	5	4	11	6	4	13	9	13	14	11	7
	1-14	1	0	0	0	0	0	0	0	0	1	0	0
	15-19	5	0	0	0	0	3	1	1	1	0	0	0
	20-44	67	4	4	9	4	3	6	7	6	9	10	5
	45-64	24	1	0	2	2	1	4	1	6	4	1	2
	Total	48	2	1	5	2	1	5	5	8	5	11	3
Hispanic	Total	12	0	1	1	0	0	1	2	3	0	3	1
	15-19	31	2	0	4	2	1	4	2	5	3	6	2
	20-44	4	0	0	0	0	0	1	0	0	2	1	0
	45-64	1	0	0	0	0	0	0	0	0	0	1	0
	65+	1	0	0	0	0	0	0	0	0	0	1	0
	Total	13	1	0	3	0	3	0	1	3	1	1	0
Black	Total	1	0	0	0	0	1	0	0	0	0	0	0
	15-19	12	1	0	3	0	2	0	1	3	1	1	0
	20-44	16	4	1	0	3	1	0	2	1	1	3	0
American Indian	Total	1	0	0	0	0	0	0	0	0	0	1	0
	15-19	13	3	1	0	3	1	0	1	1	1	2	0
	20-44	2	1	0	0	0	0	1	1	0	0	0	0
	45-64	1	0	0	0	0	0	0	0	0	0	1	0
	Total	1	0	0	0	0	0	0	0	0	0	1	0
Other/Unknown	Total	1	0	0	0	0	0	0	0	0	0	1	0
	20-44	1	0	0	0	0	0	0	0	0	0	1	0

**TABLE 5-4
DEATHS DUE TO LEGAL INTERVENTION BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cochise	4	1	0	0	0	0	1	0	0	0	2	0
Gila	1	0	0	0	0	0	1	0	0	0	0	0
Graham	2	0	0	1	1	0	0	0	0	0	0	0
Maricopa	94	6	6	10	4	6	12	9	14	9	12	6
Mohave	3	0	0	0	0	0	1	2	0	0	0	0
Navajo	6	1	0	0	1	0	0	1	1	1	1	0
Pima	32	2	0	5	3	2	1	2	6	4	5	2
Pinal	22	1	0	1	2	1	1	2	3	3	6	2
Yavapai	8	1	0	2	0	0	1	1	0	3	0	0
Yuma	2	0	0	0	0	0	0	0	0	1	1	0
Unknown	1	0	0	0	0	0	0	0	1	0	0	0
Total	175	12	6	19	11	9	18	17	25	21	27	10

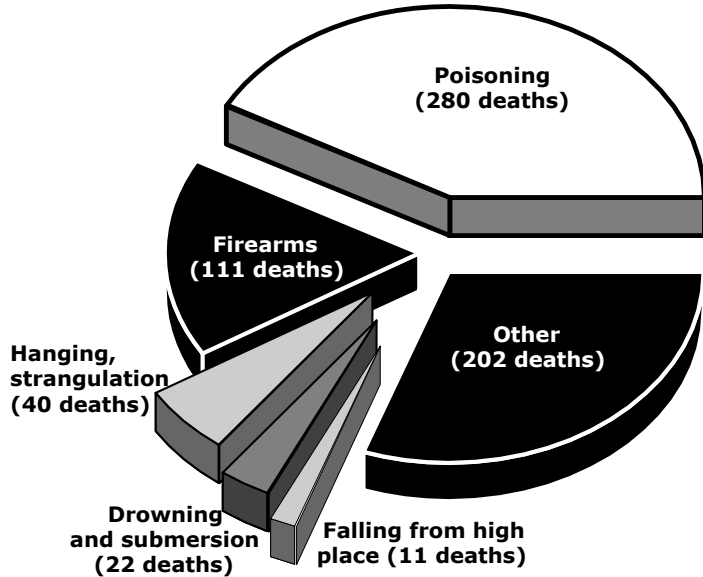
EVENTS OF 6 UNDETERMINED INTENT



EVENTS OF UNDETERMINED INTENT

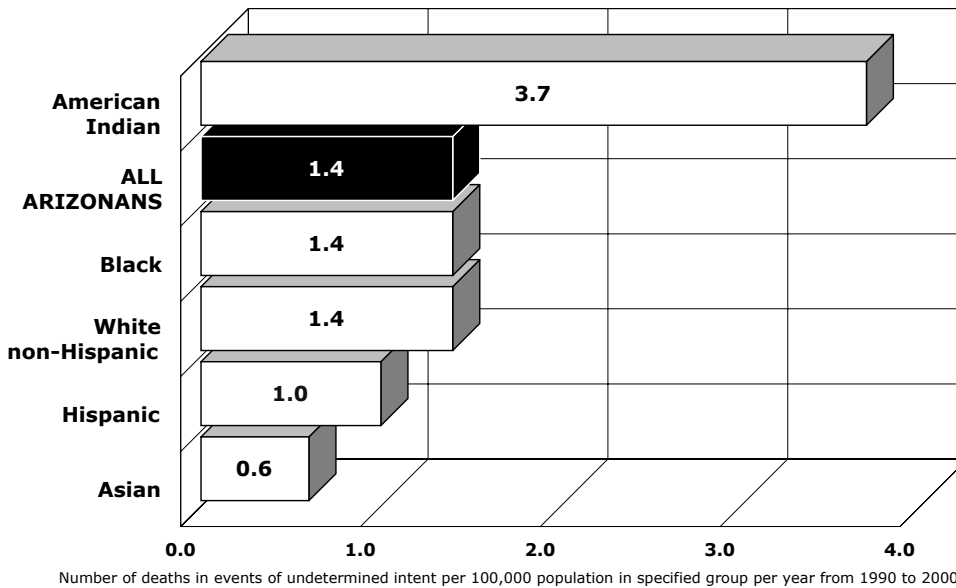
Figure 6-1
Average Annual Percent of Deaths Due to Events of Undetermined Intent By Mortality Category, Arizona, 1990-2000

N = 666 deaths in 1990-2000



During 1990-2000, there were 666 deaths of Arizona residents where available information was insufficient to enable a medical or legal authority to make a distinction between accident, self-harm and assault. Events where poisoning or firearms were involved accounted for the majority of all injury deaths, which were undetermined whether they were accidentally, or purposely inflicted (**Figure 6-1**).

Figure 6-2
Average Annual Mortality Rates for Events of Undetermined Intent by Race/Ethnic Group, Arizona, 1990-2000



During 1990-2000, American Indian residents of Arizona had the highest among ethnic groups average annual mortality rate for fatal injuries of undetermined intent (**Figure 6-2**).

EVENTS OF UNDETERMINED INTENT DATA TABLES

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**TABLE 6-1
DEATHS DUE TO EVENTS OF UNDETERMINED INTENT BY YEAR, ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Poisoning by solid or liquids	266	12	21	17	24	19	20	22	27	38	45	21
Poisoning by gases or vapors	14	1	3	0	0	0	2	2	2	0	2	2
Hanging, strangulation	40	1	4	1	2	4	0	5	8	8	4	3
Drowning and submersion	22	3	1	3	2	2	2	2	3	3	1	0
Firearms and explosives	111	4	11	5	11	17	11	9	14	12	7	10
Falling from high place	11	1	2	1	0	1	2	1	1	1	1	0
Other	202	8	12	16	31	43	15	14	20	14	12	17
Total	666	30	54	43	70	86	52	55	75	76	72	53

**TABLE 6-2
DEATHS DUE TO EVENTS OF UNDETERMINED INTENT BY FIVE-YEAR AGE GROUPS AND YEAR,
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<1	10	0	1	0	1	2	0	1	3	1	0	1
1-4	9	0	2	1	0	1	0	2	3	0	0	0
5-9	3	1	1	0	0	0	0	0	1	0	0	0
10-14	17	0	2	1	2	6	1	0	2	1	1	1
15-19	46	3	8	3	4	4	5	6	4	2	4	3
20-24	39	1	3	2	6	6	4	1	4	4	5	3
25-29	50	4	2	6	5	3	5	4	3	6	8	4
30-34	79	3	6	5	7	13	10	6	12	7	8	2
35-39	88	5	3	11	13	9	6	10	8	13	6	4
40-44	80	3	7	5	4	9	9	8	11	10	8	6
45-49	62	4	7	0	4	2	4	5	8	10	7	11
50-54	37	2	3	0	4	4	2	3	4	6	4	5
55-59	30	0	3	1	4	3	2	2	3	6	3	3
60-64	29	1	2	1	3	9	2	2	1	1	5	2
65-69	17	1	1	2	2	2	0	2	1	3	2	1
70-74	20	1	0	1	4	5	0	0	4	2	2	1
75-79	13	0	1	0	2	0	1	0	2	2	4	1
80-84	13	0	2	2	1	3	0	1	1	1	0	2
85-89	3	0	0	1	1	1	0	0	0	0	0	0
90-94	5	0	0	0	0	1	0	1	0	1	1	1
95-99	3	1	0	0	0	1	0	0	0	0	1	0
Unknown	13	0	0	1	3	2	1	1	0	0	3	2
Total	666	30	54	43	70	86	52	55	75	76	72	53

**TABLE 6-3
DEATHS DUE TO EVENTS OF UNDETERMINED INTENT BY RACE/ETHNICITY, AGE GROUP AND YEAR,
ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
White non-Hispanic												
Total	437	21	37	26	40	49	34	34	55	55	47	39
<1	7	0	1	0	0	1	0	0	3	1	0	1
1-14	19	1	4	1	1	3	1	2	3	1	1	1
15-19	16	1	5	2	1	0	1	2	2	2	0	0
20-44	212	11	14	19	20	22	24	17	25	26	20	14
45-64	125	6	11	1	11	12	6	10	16	19	16	17
65+	52	2	2	3	7	11	1	2	6	6	7	5
Unknown	6	0	0	0	0	0	1	1	0	0	3	1
Hispanic												
Total	101	3	10	6	13	16	9	11	8	10	9	6
<1	1	0	0	0	0	0	0	1	0	0	0	0
1-14	3	0	0	0	0	1	0	0	2	0	0	0
15-19	21	1	2	1	2	3	1	3	1	0	4	3
20-44	58	2	3	4	7	9	7	7	5	7	4	3
45-64	11	0	3	0	2	2	1	0	0	2	1	0
65+	7	0	2	1	2	1	0	0	0	1	0	0
Black												
Total	20	1	1	1	2	4	2	2	1	0	5	1
<1	1	0	0	0	0	1	0	0	0	0	0	0
15-19	4	0	0	0	0	1	1	1	1	0	0	0
20-44	12	0	1	1	2	2	1	1	0	0	3	1
45-64	2	1	0	0	0	0	0	0	0	0	1	0
65+	1	0	0	0	0	0	0	0	0	0	1	0
American Indian												
Total	92	3	5	8	13	13	7	7	10	11	10	5
<1	1	0	0	0	1	0	0	0	0	0	0	0
1-14	6	0	1	1	1	3	0	0	0	0	0	0
15-19	5	1	1	0	1	0	2	0	0	0	0	0
20-44	50	1	2	5	6	7	2	4	8	7	7	1
45-64	17	0	1	1	2	3	3	1	0	2	1	3
65+	12	1	0	1	1	0	0	2	2	2	2	1
Unknown	1	0	0	0	1	0	0	0	0	0	0	0
Asian												
Total	5	2	0	0	0	1	0	1	1	0	0	0
1-14	1	0	0	0	0	0	0	0	1	0	0	0
20-44	2	2	0	0	0	0	0	0	0	0	0	0
45-64	2	0	0	0	0	1	0	1	0	0	0	0
Other/Unknown												
Total	11	0	1	2	2	3	0	0	0	0	1	2
20-44	2	0	1	0	0	0	0	0	0	0	1	0
45-64	1	0	0	0	0	0	0	0	0	0	0	1
65+	2	0	0	1	0	1	0	0	0	0	0	0
Unknown	6	0	0	1	2	2	0	0	0	0	0	1

**TABLE 6-4
DEATHS DUE TO EVENTS OF UNDETERMINED INTENT BY GENDER, RACE/ETHNICITY, AND YEAR, ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all causes	666	30	54	43	70	86	52	55	75	76	72	53
White non-Hispanic	437	21	37	26	40	49	34	34	55	55	47	39
Hispanic	101	3	10	6	13	16	9	11	8	10	9	6
Black	20	1	1	1	2	4	2	2	1	0	5	1
American Indian	92	3	5	8	13	13	7	7	10	11	10	5
Asian	5	2	0	0	0	1	0	1	1	0	0	0
Other/Unknown	11	0	1	2	2	3	0	0	0	0	1	2
Male	468	20	41	31	55	64	36	39	56	46	45	35
White non-Hispanic	286	15	28	18	27	33	22	21	37	34	28	23
Hispanic	81	1	8	5	13	14	8	9	7	4	7	5
Black	16	1	1	1	2	4	2	1	1	0	2	1
American Indian	73	2	3	5	11	10	4	7	10	8	8	5
Asian	3	1	0	0	0	0	0	1	1	0	0	0
Other/Unknown	9	0	1	2	2	3	0	0	0	0	0	1
Female	198	10	13	12	15	22	16	16	19	30	27	18
White non-Hispanic	151	6	9	8	13	16	12	13	18	21	19	16
Hispanic	20	2	2	1	0	2	1	2	1	6	2	1
Black	4	0	0	0	0	0	0	1	0	0	3	0
American Indian	19	1	2	3	2	3	3	0	0	3	2	0
Asian	2	1	0	0	0	1	0	0	0	0	0	0
Other/Unknown	2	0	0	0	0	0	0	0	0	0	1	1

**TABLE 6-5
DEATHS DUE TO EVENTS OF UNDETERMINED INTENT BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 1990-2000**

	Total	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	29	0	1	4	6	5	1	1	1	6	2	2
Cochise	21	0	2	1	1	2	3	0	5	3	0	4
Coconino	15	0	1	1	2	2	1	3	1	2	1	1
Gila	10	0	0	2	1	0	1	2	1	2	0	1
Graham	12	0	2	0	2	1	0	2	2	0	3	0
Greenlee	1	0	0	0	1	0	0	0	0	0	0	0
Maricopa	225	12	21	16	19	23	17	21	25	26	30	15
Mohave	34	1	3	3	4	2	2	2	4	4	6	3
Navajo	23	2	1	0	2	2	1	2	4	2	4	3
Pima	188	10	13	7	16	30	16	12	22	24	19	19
Pinal	42	4	6	3	5	8	1	3	4	1	6	1
Santa Cruz	5	1	0	1	0	2	0	0	0	0	0	1
Yavapai	15	0	2	0	4	2	1	1	2	1	0	2
Yuma	13	0	0	1	1	4	2	1	1	1	1	1
La Paz	3	0	2	1	0	0	0	0	0	0	0	0
Unknown	30	0	0	3	6	3	6	5	3	4	0	0
Total	666	30	54	43	70	86	52	55	75	76	72	53

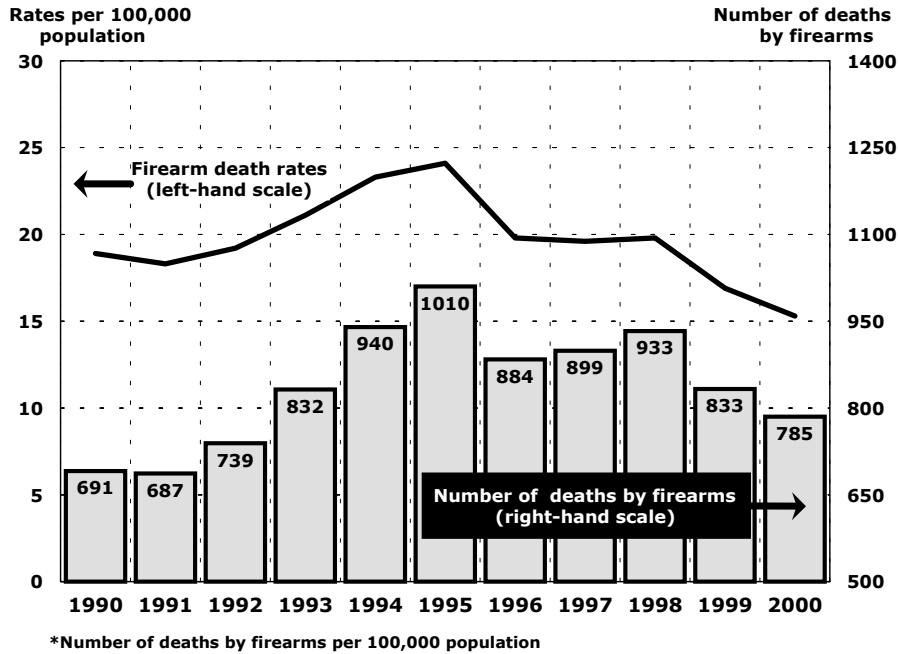
FIREARM-RELATED DEATHS

7



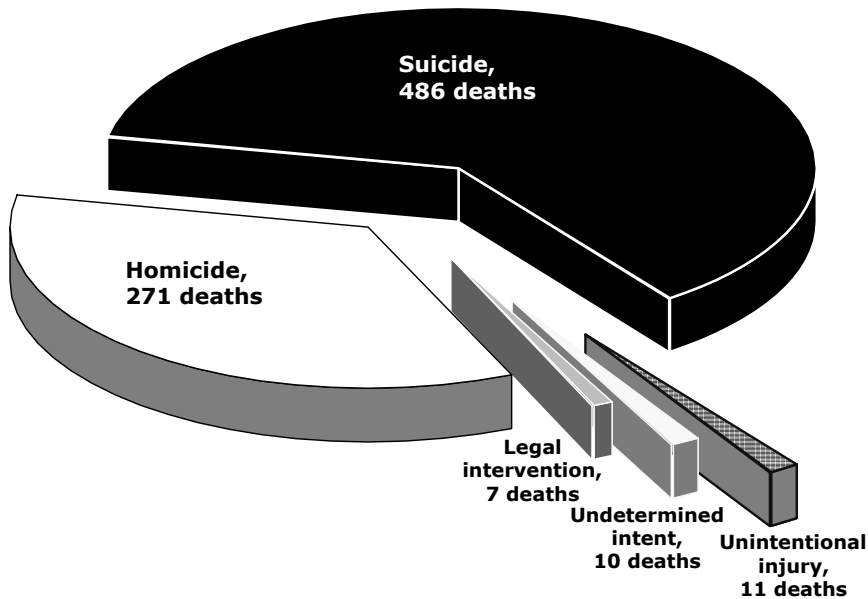
FIREARM-RELATED DEATHS

Figure 7-1
Trends in the Number of Deaths and Mortality Rates*
for Injury by Firearms, Arizona, 1989-1999



The number of firearm-related fatalities decreased in Arizona by 15.9 percent, from 933 in 1998 to 785 in 2000 (Figure 7-1). The Arizona firearm-related mortality rate decreased by 22.7 percent from 19.8 firearm-related deaths per 100,000 persons in 1998 to 15.3/100,000 in 2000. The latter was the lowest firearm-related mortality rate in the eleven-year period from 1990 to 2000.

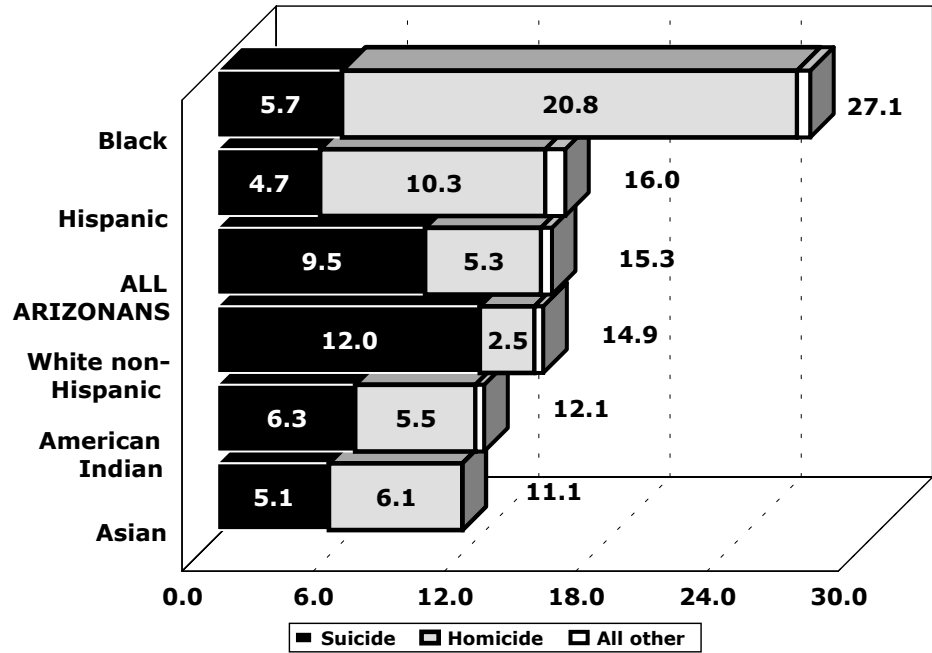
Figure 7-2
Number of Firearm-Related Deaths by Cause
Among Arizona Residents, 2000



All but a small fraction of firearm-related fatalities are intentionally inflicted. Among 785 firearm (Figure 7-2) related deaths in 2000, 11 (or 1.4 percent) were classified as unintentionally inflicted firearm injuries, 486 (61.9 percent) as suicides, 271 (34.5 percent) as homicides, 7 (0.9 percent) were fatal injuries inflicted by the police or other law-enforcement agents, and 10 (1.3 percent) were undetermined whether the injury was accidentally or purposely inflicted.

FIREARM-RELATED DEATHS

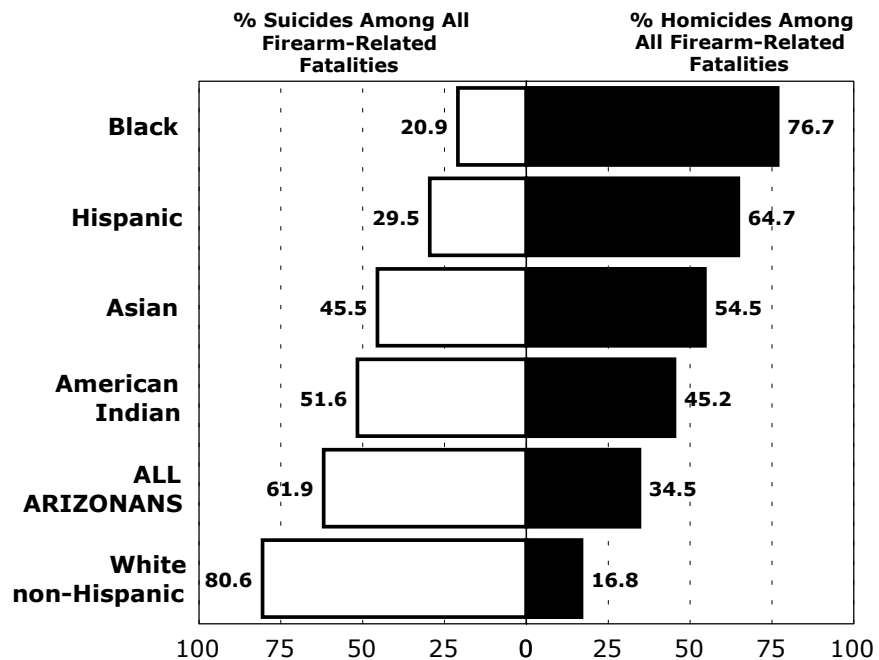
Figure 7-3
Firearm-Related Death Rates by Ethnic Group and Intent, Arizona, 2000



The firearm-related death rate among Blacks (27.1/100,000) was the highest among ethnic groups in Arizona in 2000 (Figure 7-3). It exceeded the corresponding rates for Asian, American Indian, White non-Hispanic, and Hispanic residents of Arizona by 144, 124, 82, 77, and 43 percent respectively

*Number of firearm-related deaths per 100,000 persons in specified group (unadjusted for differences in the age composition).

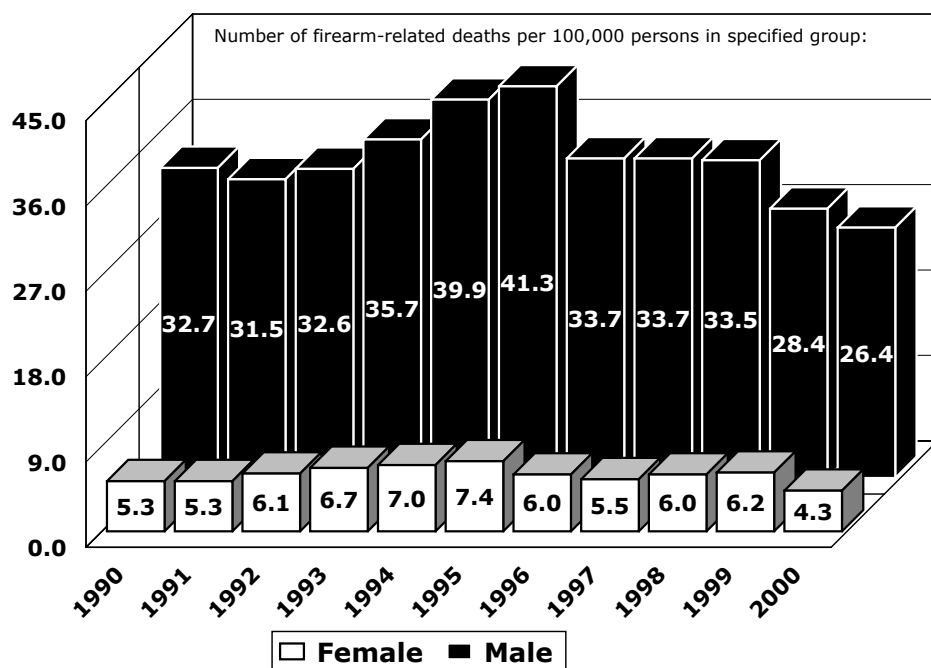
Figure 7-4
Percent Firearm-Related Fatalities in Each Ethnic Group Attributed to Self-Inflicted Injuries in Suicide and Injuries Purposely Inflicted by Other Person in Homicide, Arizona, 2000



Among White non-Hispanics, firearm-related fatalities predominantly were a result of suicide (80.6 percent, Figure 7-4). In contrast, the majority of deaths from firearms were incurred in acts of homicide among Blacks (76.7 percent) and Hispanics (64.7 percent). Among American Indians, firearm-related fatalities were more likely to be incurred in acts of suicide (51.6 percent) than homicide (45.2 percent).

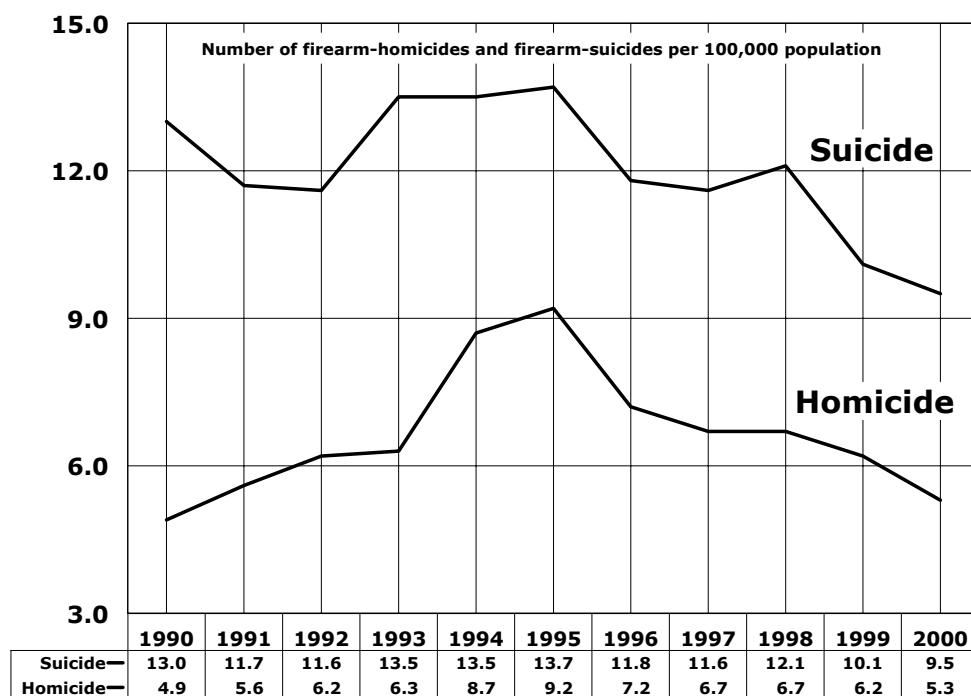
FIREARM-RELATED DEATHS

Figure 7-5
Rates of Firearm-Related Fatalities by Gender and Year,
Arizona, 1990-2000



The 2000 mortality rate from firearms among males (26.4/100,000) was 6.1 times greater than the rate of 4.3/100,000 among females (**Figure 7-5**).

Figure 7-6
Rates of Firearm-Homicides and Firearm-Suicides by Year,
Arizona, 1990-2000

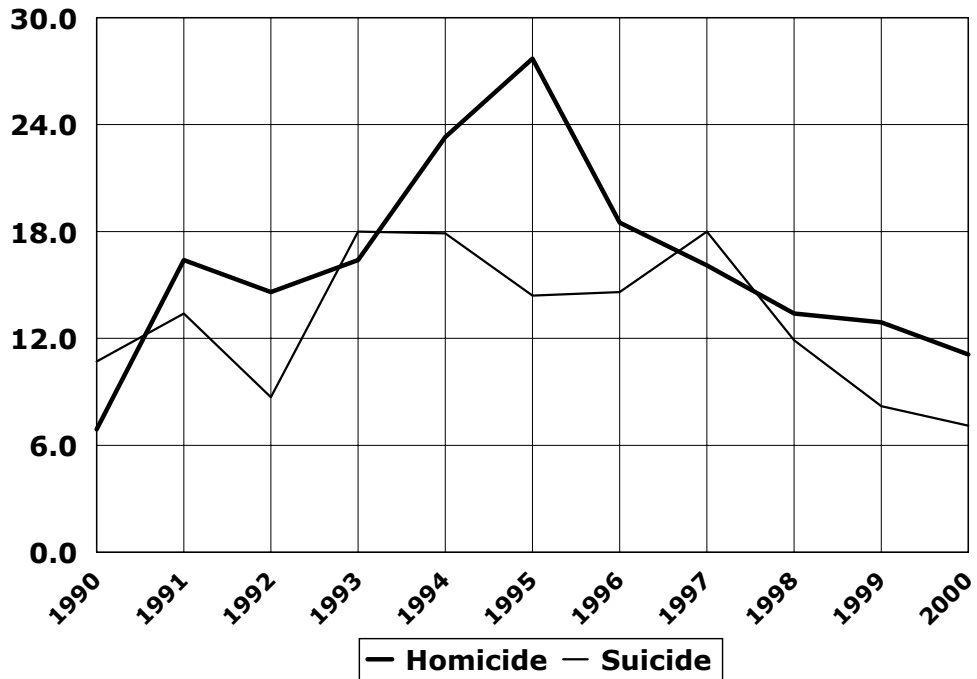


Annual firearm-related homicide death rates among Arizona residents were at least 33 percent lower than the firearm-related suicide death rates from 1990 to 2000 (**Figure 7-6**).

FIREARM-RELATED DEATHS

Figure 7-7
Firearm-Homicides and Firearm-Suicides Among
Adolescents 15-19 Years Old, Arizona, 1990-2000

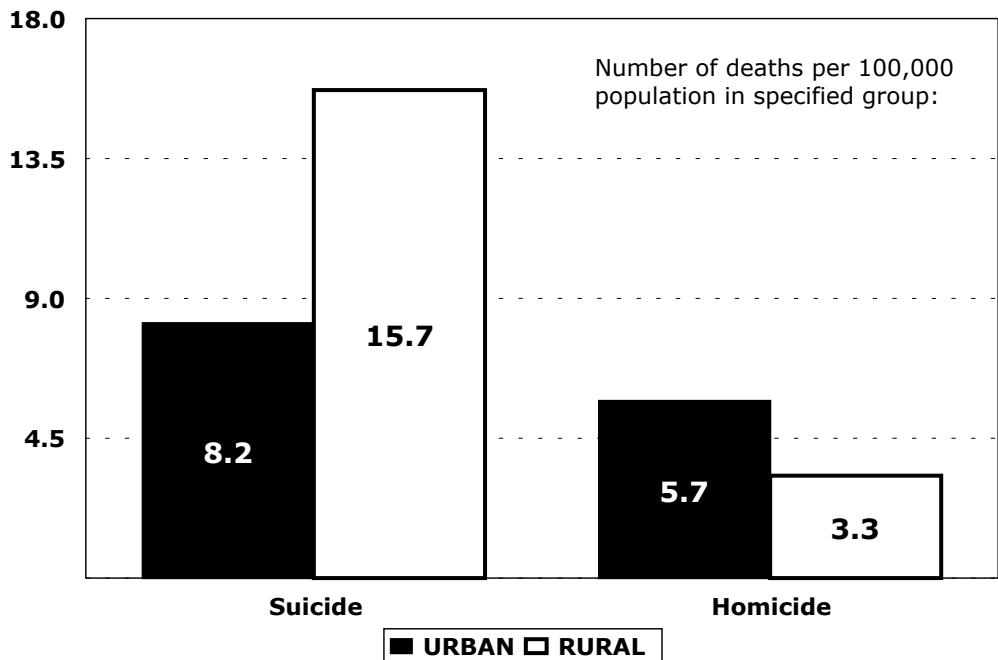
Between 1997 and 2000, the total firearm death rate among teenagers 15-19 years old decreased by 47.5 percent from 37.3 to 19.6 fatalities per 100,000 persons in this age group in 2000 (Table 7-1). The firearm-homicide rate decreased for the fifth consecutive year from 27.7/100,000 in 1995 to 11.1/100,000 in 2000 (Figure 7-7). At the same time, the rate for firearm-suicide decreased by 60.6 percent from a rate of 18.0/100,000 in 1997 to 7.1/100,000 in 2000.



Number of firearm-homicides and firearm-suicides per 100,000 adolescents 15-19 years old

Figure 7-8
Mortality Rates for Firearm-Suicides and
Firearm-Homicides by Urban*/Rural Area,
Arizona, 2000

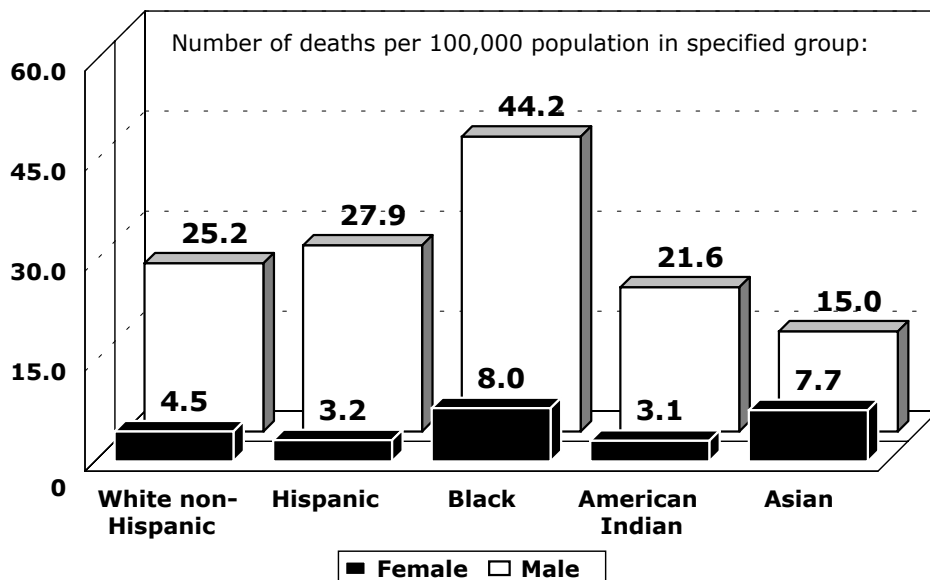
In 2000, firearm-suicides were 1.9 times more likely among rural compared to urban residents of Arizona. In contrast, urban residents were 1.7 times more likely to be fatally assaulted by firearms (Figure 7-8).



*Maricopa, Pima, Pinal and Yuma counties. The remaining counties comprise Arizona's rural areas.

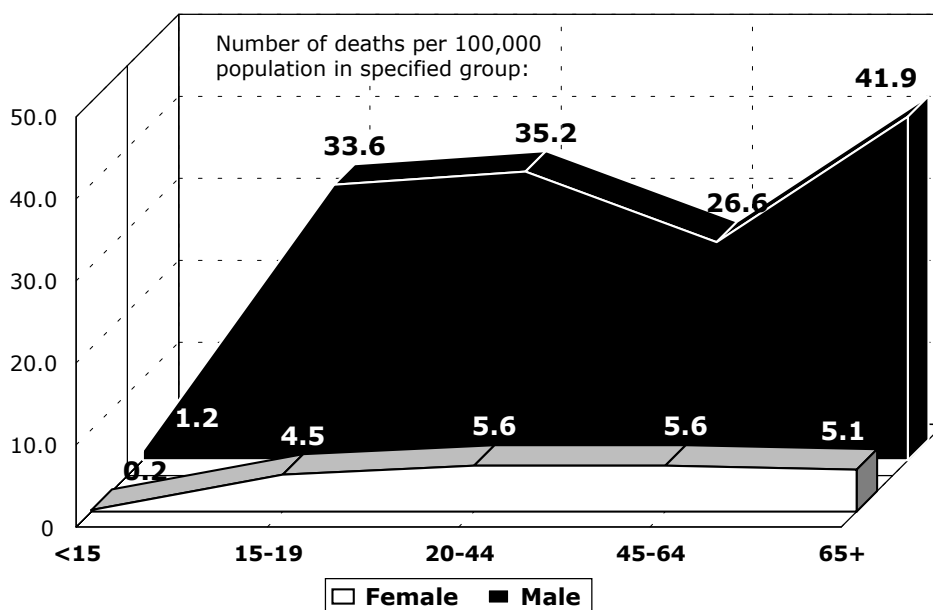
FIREARM-RELATED DEATHS

Figure 7-9
Firearm-Related Death Rates by Gender
and Race/Ethnicity, Arizona, 2000



Particularly high gender ratios in firearm mortality were evident in 2000 for Hispanics (male rate of 27.9/100,000 was 8.7 times the rate of 3.2/100,000 for females, **Figure 7-9**).

Figure 7-10
Firearm-Related Death Rates by Age Group and Gender,
Arizona, 2000

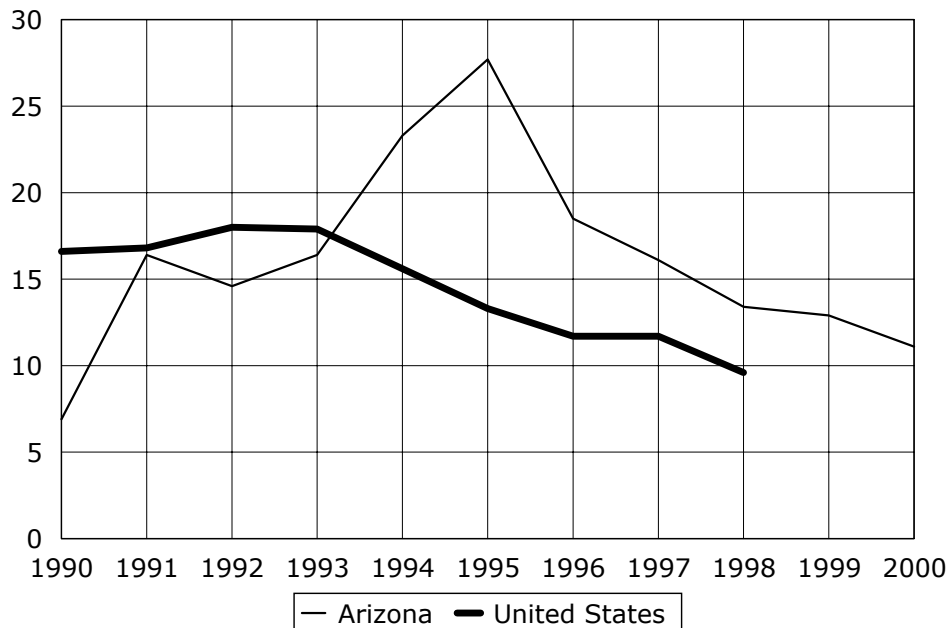


Among males, the 2000 firearm mortality curve by age was bimodal (**Figure 7-10**), reaching the first peak at ages 20-44 (35.2/100,000), tapering off to 26.6/100,000 at ages 45-64, and rising to a second peak among the elderly 65 years and older (41.9/100,000). The female firearm death rate was highest for those 20-44 years old (5.6/100,000).

FIREARM-RELATED DEATHS

Figure 7-11
Firearm Related Death Rates Associated with Homicide
Among Adolescents 15-19 Years Old, Arizona 1990-2000
and United States 1990-1998*

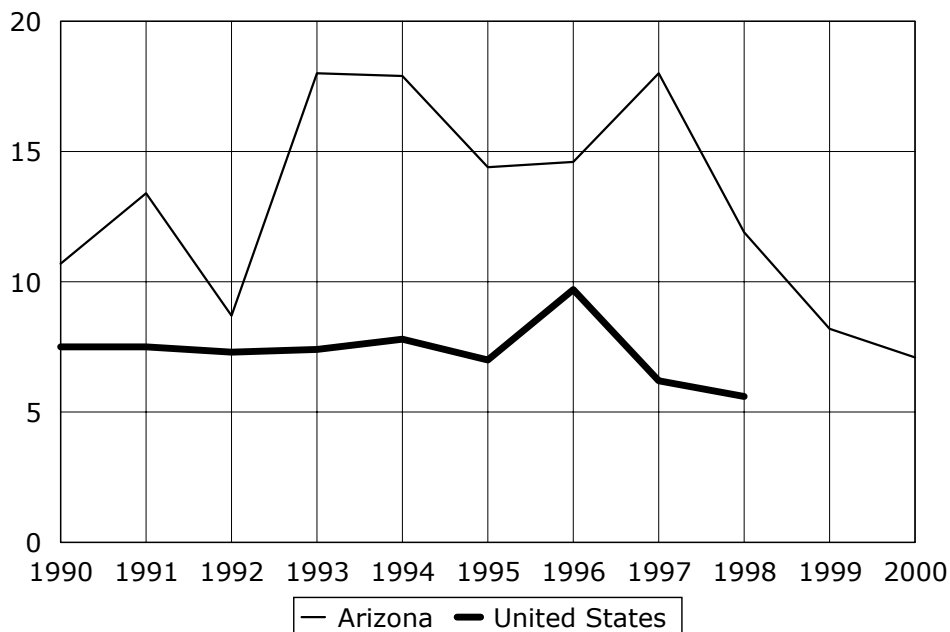
Relative to their peers nationally, Arizona adolescents 15-19 years old were more likely to be fatally assaulted by firearms in each year from 1994 to 1998 (**Figure 7-11**).



*The latest year for which the U.S. data are available.

Figure 7-12
Firearm Related Death Rates Associated with
Suicide Among Adolescents 15-19 Years Old,
Arizona 1990-2000 and United States 1990-1998*

Relative to their peers nationally, Arizona adolescents 15-19 years old were more likely to kill themselves by firearms in each year from 1990 to 1998 (**Figure 7-12**).



*The latest year for which the U.S. data are available.

FIREARM-RELATED DEATHS DATA TABLES

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**TABLE 7-1
DEATH RATES^a BY AGE GROUP AND YEAR FOR INJURY BY FIREARMS,
ARIZONA, 1990-2000**

Age Group	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Under 5^b	0.3	0.7	1.0	0.3	1.2	0.9	0.6	0.0	.0.9	0.3	0.0
5-14	1.9	2.0	4.8	5.3	2.5	4.1	2.4	2.2	2.7	1.1	1.0
15-19	20.7	34.3	26.9	39.5	43.9	45.3	36.7	37.3	26.2	22.6	19.6
20-44	25.8	22.9	24.0	28.1	34.0	35.4	28.7	29.0	29.5	23.7	20.9
45-64	20.2	18.9	21.2	17.8	20.7	19.5	17.8	16.4	18.7	18.2	15.8
65 and Over	24.9	23.6	23.8	26.9	22.7	23.9	19.3	19.1	20.4	19.9	21.4
Total, all ages	18.9	18.3	19.2	21.1	23.3	24.1	19.8	19.6	19.8	16.9	15.3

^a Number of deaths by firearms per 100,000 population in specified age group.

^b 0-4 years old.

**TABLE 7-2
RATE* OF FIREARM-RELATED DEATHS BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA, 1990-2000**

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	11.4	19.2	14.3	6.2	6.1	12.5	27.9	26.0	15.1	10.5	8.6
Cochise	18.4	23.2	18.8	18.5	34.6	22.8	10.5	15.4	21.1	15.3	17.8
Coconino	9.3	10.1	12.8	14.5	17.9	21.0	19.4	12.1	19.3	16.3	12.9
Gila	32.3	9.9	31.2	30.9	25.9	38.4	26.5	21.6	23.4	21.9	19.5
Graham	3.8	11.1	18.1	21.3	17.5	22.3	6.4	12.4	15.0	25.2	3.0
Greenlee	--	--	24.0	11.8	23.4	35.3	23.1	22.9	22.5	21.7	11.7
La Paz	36.1	42.8	33.7	33.2	32.7	24.2	38.5	31.9	5.2	10.4	15.2
Maricopa	18.9	17.3	18.3	20.8	22.0	24.6	18.8	18.4	18.6	16.3	13.8
Mohave	34.2	28.3	36.9	33.9	31.0	28.5	20.4	18.8	22.5	26.6	33.5
Navajo	16.7	15.2	17.4	22.0	19.3	19.3	17.8	23.4	18.5	9.6	16.4
Pima	17.1	18.6	18.4	19.7	19.5	20.4	18.2	18.8	19.6	17.3	19.0
Pinal	30.9	33.6	21.2	19.2	27.6	23.5	28.5	19.5	26.1	13.3	11.1
Santa Cruz	3.4	19.4	19.3	9.4	18.4	12.1	8.9	13.9	10.9	10.2	7.8
Yavapai	30.6	20.5	25.4	24.7	29.9	28.2	20.7	25.1	25.0	26.3	24.5
Yuma	7.5	13.5	12.4	11.3	21.2	16.3	10.4	14.0	13.7	12.2	8.1
ARIZONA	18.9	18.5	19.2	21.1	23.3	24.1	19.8	19.6	19.8	16.9	15.3

* Number of firearm-related fatalities per 100,000 population in specified group.

**TABLE 7-3
NUMBER OF SUICIDES BY FIREARMS AND TOTAL SUICIDES BY AGE GROUP AND YEAR,
ARIZONA 1990-2000**

Age Group	Cause	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
5-14	All Suicides	4	6	10	11	9	11	7	7	12	7	6
	# by Firearms	0	5	6	9	4	7	4	3	5	4	1
15-19	All Suicides	42	49	34	58	62	52	56	75	50	36	41
	# by Firearms	28	36	24	46	47	40	45	57	39	28	26
20-44	All Suicides	346	299	318	378	439	454	392	413	425	350	339
	# by Firearms	235	190	197	247	284	277	255	258	256	198	205
45-64	All Suicides	149	158	149	157	165	170	161	160	201	219	194
	# by Firearms	100	103	110	104	109	114	110	105	141	141	127
65 and Over	All Suicides	150	144	148	151	141	170	144	154	156	160	157
	# by Firearms	113	104	112	126	100	132	111	113	128	123	127
All Ages^a	Total Suicides	692	658	660	755	816	858	762	810	845	773	737
	# by Firearms	477	439	449	532	544	571	527	537	569	495	486
	% by Firearms	68.9	66.7	68.0	70.5	66.7	66.6	69.2	65.1	67.3	64.0	65.9

^aIncludes records with unknown or unspecified age.

**TABLE 7-4
NUMBER OF HOMICIDES BY FIREARMS AND TOTAL HOMICIDES BY AGE GROUP
AND YEAR, ARIZONA, 1990-2000**

Age Group	Cause	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Under 5	All Homicides	14	10	18	12	22	19	12	9	13	12	9
	# By Firearms	1	1	2	0	2	3	1	0	1	1	0
5-14	All Homicides	9	5	18	15	7	15	18	10	16	5	6
	# by Firearms	7	2	16	13	4	11	10	8	10	4	5
15-19	All Homicides	28	51	51	61	73	93	75	60	55	55	53
	# by Firearms	18	44	40	42	61	77	57	51	44	44	41
20-44	All Homicides	191	209	216	247	299	334	290	305	313	293	234
	# by Firearms	119	133	137	160	224	241	205	212	229	204	173
45-64	All Homicides	47	43	52	38	54	62	62	62	54	68	65
	# by Firearms	27	20	36	18	36	38	38	33	26	38	38
65 and Over	All Homicides	21	22	12	23	27	19	17	21	13	22	26
	# by Firearms	6	12	5	13	19	8	8	6	6	12	13
All ages^a	Total Homicides	314	340	370	398	486	548	476	468	468	457	394
	# by Firearms	180	212	238	247	349	383	320	310	318	303	271
	% by Firearms	57.3	62.4	64.3	62.1	71.8	69.9	67.2	66.2	67.9	66.3	68.6

^a May include records with unknown or unspecified age.

**TABLE 7-5
NUMBER OF FIREARM-RELATED UNINTENTIONAL FATALITIES AND ALL UNINTENTIONAL INJURY DEATHS
BY AGE GROUP AND YEAR, ARIZONA, 1990-2000**

Age Group	Cause	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Under 5	All Unintentional Injury Deaths	73	86	88	84	98	88	87	80	83	75	68
	# Firearm-related	0	2	1	1	2	0	0	0	1	0	0
5-14	All Unintentional Injury Deaths	66	61	62	78	61	87	76	83	56	50	63
	# Firearm-related	2	3	5	8	3	6	2	4	2	0	1
15-19	All Unintentional Injury Deaths	124	108	107	125	115	147	142	114	131	122	132
	# Firearm-related	7	5	8	10	2	4	4	2	2	0	1
20-44	All Unintentional Injury Deaths	662	585	653	693	811	877	899	875	908	858	706
	# Firearm-related	8	7	12	13	10	18	6	6	10	7	5
45-64	All Unintentional Injury Deaths	264	226	239	266	327	319	348	380	412	469	457
	# Firearm-related	1	3	0	1	4	0	0	4	1	0	2
65 and Over	All Unintentional Injury Deaths	346	358	417	438	464	451	523	560	577	603	652
	# Firearm-related	0	0	3	0	1	0	0	1	0	0	2
All Ages^a	Total Unintentional Injury Deaths	1,539	1,426	1,572	1,686	1,879	1,973	2,092	2,106	2,182	2,192	2,087
	# Firearm-related	18	19	29	33	22	28	12	17	16	7	11
	% Firearm-related	1.2	1.3	1.8	2.0	1.2	1.4	0.6	0.8	0.9	0.3	0.5

^a May include records with unknown or unspecified age.

**TABLE 7-6
FIREARM-RELATED DEATH RATES^a ASSOCIATED WITH HOMICIDE, SUICIDE AND UNINTENTIONAL
INJURY AMONG ADOLESCENTS 15-19 YEARS OLD, ARIZONA 1990-2000 AND
UNITED STATES, 1990-1998^b**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
ARIZONA											
HOMICIDE, total	10.7	19.0	18.6	23.9	27.9	33.4	24.4	19.0	16.8	16.2	14.4
By firearms	6.9	16.4	14.6	16.4	23.3	27.7	18.5	16.1	13.4	12.9	11.1
By all other means	3.8	2.6	4.0	7.5	4.6	5.7	5.9	2.9	3.4	3.3	3.3
SUICIDE, total	16.1	18.3	12.4	22.7	23.7	18.7	18.2	23.7	15.2	10.6	11.1
By firearms	10.7	13.4	8.7	18.0	17.9	14.4	14.6	18.0	11.9	8.2	7.1
By all other means	5.4	4.9	3.7	4.7	5.8	4.3	3.6	5.7	3.3	2.4	4.0
UNINTENTIONAL INJURY, total	47.5	40.3	39.0	48.9	43.9	52.8	46.1	35.7	39.9	35.8	35.9
By firearms	2.7	1.9	2.9	3.5	0.8	1.4	1.3	0.6	0.6	0.0	0.3
By all other means	44.8	38.4	36.1	45.4	43.1	51.4	44.8	35.1	39.3	35.8	35.6
UNITED STATES											
HOMICIDE, total	17.0	19.6	19.3	20.7	20.1	18.1	15.5	13.6	11.7	NA	NA
By firearms	13.9	16.6	16.8	18.0	17.9	15.6	13.3	11.7	9.6	NA	NA
By all other means	3.1	3.0	2.5	2.7	2.2	2.5	2.2	1.9	2.1	NA	NA
SUICIDE, total	11.1	11.0	10.8	10.9	11.1	10.5	9.7	9.5	8.9	NA	NA
By firearms	7.5	7.5	7.3	7.4	7.8	7.0	6.2	6.0	5.6	NA	NA
By all other means	3.6	3.6	3.5	3.5	3.3	3.5	3.5	3.5	3.3	NA	NA

^a Number of deaths per 100,000 persons 15-19 years old.

^b Data for 1990-1993: *Injury Mortality: National Summary of Injury Mortality Data 1987-1993*. National Center for Injury Prevention and Control CDC. June 1996; Data for 1994-1997 are from the CDC WWW site (www.cdc.gov/inquiry/shtml). The data for 1998 are from the National Center for Injury Prevention and Control web site at <http://webapp.cdc.gov/sasweb/ncipc/mortrate.html>. 1998 is the latest year for which the U.S. data are available.

**TABLE 7-7
NUMBER OF FIREARM-RELATED FATALITIES BY INTENT, AGE GROUP AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<5	Accident	0	1	1	1	2	0	0	1	0	0
	Homicide	1	1	2	0	2	3	2	1	1	0
	Undetermined	0	0	0	0	0	0	0	1	0	0
5-14	Total	1	2	3	1	4	3	2	3	1	0
	Accident	2	3	5	8	3	6	2	2	0	1
	Suicide	0	5	6	9	4	7	4	3	5	4
15-19	Homicide	7	2	16	13	4	11	6	10	4	5
	Undetermined	1	1	0	1	4	1	0	1	0	1
	Legal intervention	0	0	0	0	0	0	0	1	0	0
20-44	Total	10	11	27	31	15	25	16	13	19	8
	Accident	7	5	8	10	2	4	2	2	0	1
	Suicide	28	36	24	46	47	40	57	39	28	26
45-64	Homicide	18	44	40	42	61	77	51	44	44	41
	Undetermined	1	6	1	3	4	1	4	1	1	3
	Legal intervention	0	1	1	0	1	4	4	0	4	1
65+	Total	54	92	74	101	115	126	118	86	77	72
	Accident	8	7	12	13	10	18	6	10	7	5
	Suicide	235	190	197	247	284	277	255	258	198	205
Unknown	Homicide	119	133	137	160	224	241	205	212	204	173
	Undetermined	1	4	4	6	6	9	3	6	5	2
	Legal intervention	10	5	15	7	7	10	11	14	12	6
TOTAL	Total	373	339	365	433	531	555	497	513	429	391
	Accident	1	3	0	1	4	0	4	1	0	2
	Suicide	100	103	110	104	109	114	110	105	141	127
65+	Homicide	27	20	36	18	36	38	33	26	38	38
	Undetermined	1	0	0	1	2	0	1	3	0	2
	Legal intervention	2	0	2	2	1	3	2	3	4	1
Unknown	Total	131	126	148	126	152	155	146	175	180	169
	Accident	0	0	3	0	1	0	1	0	0	2
	Suicide	113	104	112	126	100	132	111	113	128	127
TOTAL	Homicide	6	12	5	13	19	8	6	6	12	13
	Undetermined	0	0	0	0	0	0	2	1	1	1
	Legal intervention	0	0	0	0	0	0	0	0	0	0
Unknown	Total	119	116	120	139	120	140	122	135	137	143
	Suicide	1	1	0	0	0	1	1	0	1	0
	Homicide	2	0	2	1	3	5	1	2	0	1
TOTAL	Undetermined	0	0	0	0	0	0	0	0	0	1
	Total	3	1	2	1	3	6	3	2	1	2
	Accident	18	19	29	33	22	28	12	17	16	7
TOTAL	Suicide	477	439	449	532	544	571	537	569	495	486
	Homicide	180	212	238	247	349	383	320	318	303	271
	Undetermined	4	11	5	11	16	11	9	14	13	10
TOTAL	Legal intervention	12	6	18	9	9	17	21	17	21	7
	Total	691	687	739	832	940	1010	884	933	833	785

**TABLE 7-8
NUMBER OF FIREARM-RELATED FATALITIES BY RACE/ETHNICITY AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
White non-Hispanic	513	470	498	576	590	647	545	552	606	492	489
Hispanic	99	118	154	170	215	251	238	235	221	240	207
Black	39	42	44	45	75	63	46	60	55	51	43
American Indian	34	41	35	35	52	40	51	45	45	35	31
Asian	5	13	7	6	7	5	2	7	5	7	11
Other/Unknown	1	3	1	0	1	4	2	0	1	8	4
Total	691	687	739	832	940	1010	884	899	933	833	785

**TABLE 7-9
NUMBER OF FIREARM-RELATED FATALITIES BY RACE/ETHNICITY AND GENDER BY YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
White non-Hispanic	433	400	404	476	491	539	445	451	505	408	414
Female	80	70	94	100	99	108	100	101	101	84	75
Total	513	470	498	576	590	647	545	552	606	492	489
Hispanic	89	103	138	149	189	219	222	220	196	209	187
Female	10	15	16	21	26	32	16	15	25	31	20
Total	99	118	154	170	215	251	238	235	221	240	207
Black	34	36	39	39	66	56	39	56	47	42	37
Female	5	6	5	6	9	7	7	4	8	9	6
Total	39	42	44	45	75	63	46	60	55	51	43
American Indian	32	33	33	30	43	33	40	40	37	28	27
Female	2	8	2	5	9	7	11	5	8	7	4
Total	34	41	35	35	52	40	51	45	45	35	31
Asian	3	11	6	4	6	3	2	6	4	5	7
Female	2	2	1	2	1	2	0	1	1	2	4
Total	5	13	7	6	7	5	2	7	5	7	11
Other/Unknown	1	3	1	0	1	4	2	0	1	7	3
Female	0	0	0	0	0	0	0	0	0	1	1
Total	1	3	1	0	1	4	2	0	1	8	4
Male	592	586	621	698	796	854	750	773	790	699	675
Female	99	101	118	134	144	156	134	126	143	134	110
Total	691	687	739	832	940	1010	884	899	933	833	785

**TABLE 7-10
NUMBER OF FIREARM-RELATED FATALITIES BY CAUSE AND GENDER, BY YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Male											
Accident	17	16	28	27	21	27	12	14	14	7	9
Suicide	415	385	383	459	467	480	450	463	490	430	432
Homicide	147	169	189	194	285	321	263	268	259	234	218
Undetermined	4	10	5	10	14	9	9	10	11	7	9
Legal intervention	9	6	16	8	9	17	16	18	16	21	7
Total	592	586	621	698	796	854	750	773	790	699	675
Female											
Accident	1	3	1	6	1	1	0	3	2	0	2
Suicide	62	54	66	73	77	91	77	74	79	65	54
Homicide	33	43	49	53	64	62	57	42	59	69	53
Undetermined	0	1	0	1	2	2	0	4	2	0	1
Legal intervention	3	0	2	1	0	0	0	3	1	0	0
Total	99	101	118	134	144	156	134	126	143	134	110
TOTAL											
Accident	18	19	29	33	22	28	12	17	16	7	11
Suicide	477	439	449	532	544	571	527	537	569	495	486
Homicide	180	212	238	247	349	383	320	310	318	303	271
Undetermined	4	11	5	11	16	11	9	14	13	7	10
Legal intervention	12	6	18	9	9	17	16	21	17	21	7
Total	691	687	739	832	940	1010	884	899	933	833	785

**TABLE 7-11
NUMBER OF DEATHS BY FIREARMS BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	7	12	9	4	4	8	18	17	10	7	6
Cochise	18	23	19	19	36	25	12	18	25	19	21
Coconino	9	10	13	15	19	23	22	14	23	20	15
Gila	13	4	13	13	11	17	12	10	11	11	10
Graham	1	3	5	6	5	7	2	4	5	9	1
Greenlee	0	0	2	1	2	3	2	2	2	2	1
Maricopa	401	378	409	475	515	597	496	501	521	474	423
Mohave	32	28	39	37	35	36	26	25	31	38	52
Navajo	13	12	14	18	16	16	15	20	16	9	16
Pima	114	127	129	141	143	152	142	150	160	146	160
Pinal	36	40	26	24	35	32	41	29	40	22	20
Santa Cruz	1	6	6	3	6	4	3	5	4	4	3
Yavapai	33	23	29	29	36	36	28	35	36	41	41
Yuma	8	15	14	13	25	20	13	18	18	17	13
La Paz	5	6	5	5	5	4	7	6	1	2	3
Unknown	0	0	7	29	47	30	45	45	30	12	0
Total	691	687	739	832	940	1010	884	899	933	833	785

**TABLE 7-12
NUMBER OF FIREARM-RELATED DEATHS BY 5-YEAR AGE GROUPS AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<1	0	0	0	0	1	1	0	0	1	0	0
1-4	1	2	3	1	3	2	2	2	2	1	0
5-9	4	0	3	4	1	3	6	4	3	1	5
10-14	6	11	24	27	14	22	10	9	16	7	3
15-19	54	92	74	101	115	126	113	118	86	77	72
20-24	98	80	89	101	153	124	113	117	143	96	110
25-29	94	76	79	103	111	122	98	124	105	108	74
30-34	76	62	75	95	103	110	92	83	93	81	72
35-39	65	61	71	68	90	105	93	84	86	78	62
40-44	40	60	51	66	74	94	84	89	86	66	73
45-49	45	46	46	47	58	61	57	63	73	58	60
50-54	31	25	24	25	35	43	44	42	44	44	47
55-59	26	25	37	30	26	31	32	22	34	44	44
60-64	29	30	41	24	33	20	18	19	24	34	18
65-69	28	28	30	33	24	33	24	23	22	21	32
70-74	35	36	31	37	35	32	26	33	30	26	38
75-79	27	28	22	26	31	32	30	32	42	41	28
80-84	14	16	26	27	13	30	16	23	22	35	23
85-89	9	6	8	11	8	9	17	10	15	12	18
90-94	6	2	2	4	7	3	6	1	4	0	4
95-99	0	0	1	1	2	0	0	0	0	2	0
100+	0	0	0	0	0	1	0	0	0	0	0
Unknown	3	1	2	1	3	6	3	1	2	1	2
Total	691	687	739	832	940	1010	884	899	933	833	785

**TABLE 7-13
NUMBER OF DEATHS BY FIREARMS BY INTENT AND AGE GROUP AND RATES* OF FIREARM-RELATED
FATALITIES IN URBAN AND RURAL AREAS, ARIZONA, 2000**

	Accident	Suicide	Homicide	Undetermined	Legal intervention	Total	Rate
Urban							
5-14	1	1	5	0	0	7	1.1
15-19	1	24	40	3	1	69	22.9
20-44	5	154	157	2	6	324	20.2
45-64	1	88	31	1	0	121	14.0
65+	2	82	9	1	0	94	17.6
Unknown	0	0	0	1	0	1	NA
Total	10	349	242	8	7	616	14.5
Rate	.2	8.2	5.7	.2	.2	14.5	
Rural							
5-14	0	0	0	1	0	1	0.7
15-19	0	2	1	0	0	3	4.5
20-44	0	51	16	0	0	67	25.0
45-64	1	39	7	1	0	48	23.2
65+	0	45	4	0	0	49	36.6
Unknown	0	0	1	0	0	1	NA
Total	1	137	29	2	0	169	19.3
Rate	.1	15.7	3.3	.2	.0	19.3	
TOTAL							
5-14	1	1	5	1	0	8	1.0
15-19	1	26	41	3	1	72	19.6
20-44	5	205	173	2	6	391	20.9
45-64	2	127	38	2	0	169	15.8
65+	2	127	13	1	0	143	21.4
Unknown	0	0	1	1	0	2	NA
Total	11	486	271	10	7	785	15.3
Rate	.2	9.5	5.3	.2	.1	15.3	

* Number of deaths per 100,000 persons in specified group.

**TABLE 7-14
NUMBER OF FIREARM-RELATED FATALITIES BY INTENT, AGE GROUP AND RACE/ETHNICITY,
ARIZONA, 2000**

	Accident	Suicide	Homicide	Undetermined	Legal intervention	Total
White non-Hispanic						
5-14	0	1	1	1	0	3
15-19	0	15	8	0	0	23
20-44	2	144	44	1	4	195
45-64	0	111	19	2	0	132
65+	2	123	10	1	0	136
Total	4	394	82	5	4	489
Hispanic						
5-14	1	0	4	0	0	5
15-19	1	6	21	3	1	32
20-44	2	42	96	1	2	143
45-64	1	10	12	0	0	23
65+	0	3	1	0	0	4
Total	5	61	134	4	3	207
Black						
15-19	0	3	8	0	0	11
20-44	1	2	21	0	0	24
45-64	0	4	4	0	0	8
Total	1	9	33	0	0	43
American Indian						
15-19	0	2	4	0	0	6
20-44	0	12	9	0	0	21
45-64	1	1	0	0	0	2
65+	0	1	1	0	0	2
Total	1	16	14	0	0	31
Asian						
20-44	0	4	3	0	0	7
45-64	0	1	2	0	0	3
65+	0	0	1	0	0	1
Total	0	5	6	0	0	11
Other/Unknown						
20-44	0	1	0	0	0	1
45-64	0	0	1	0	0	1
Unknown	0	0	1	1	0	2
Total	0	1	2	1	0	4
TOTAL						
5-14	1	1	5	1	0	8
15-19	1	26	41	3	1	72
20-44	5	205	173	2	6	391
45-64	2	127	38	2	0	169
65+	2	127	13	1	0	143
Unknown	0	0	1	1	0	2
Total	11	486	271	10	7	785

**TABLE 7-15
NUMBER OF DEATHS BY FIREARMS AND RATE^a OF FIREARM-RELATED
FATALITIES BY GENDER AND AGE GROUP, ARIZONA, 2000**

Age Group	MALE		FEMALE		TOTAL	
	Number	Rate	Number	Rate	Number	Rate
<5	0	0.0	0	0.0	0	0.0
5-14	7	1.8	1	0.3	8	1.0
15-19	64	33.6	8	4.5	72	19.6
20-44	340	35.2	51	5.6	391	20.9
45-64	138	26.6	31	5.6	169	15.8
65+	124	41.9	19	5.1	143	21.4
Unknown	2	NA	0	NA	2	NA
Total	675	26.4	110	4.3	785	15.3

^aNumber of firearm-related fatalities per 100,000 population in specified group.

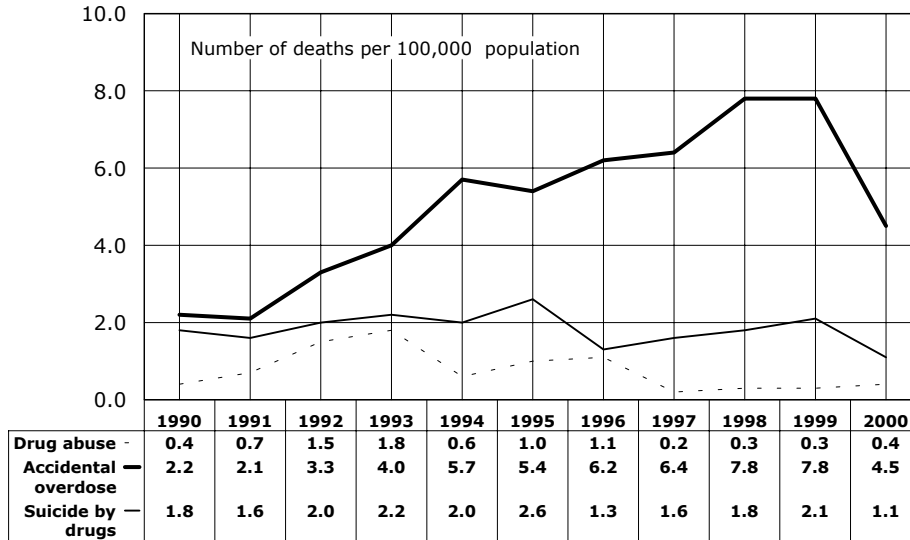
DRUG-RELATED DEATHS

8



DRUG-RELATED DEATHS

Figure 8-1
Drug-Related Death Rates by Mortality Category and Year, Arizona, 1990-2000

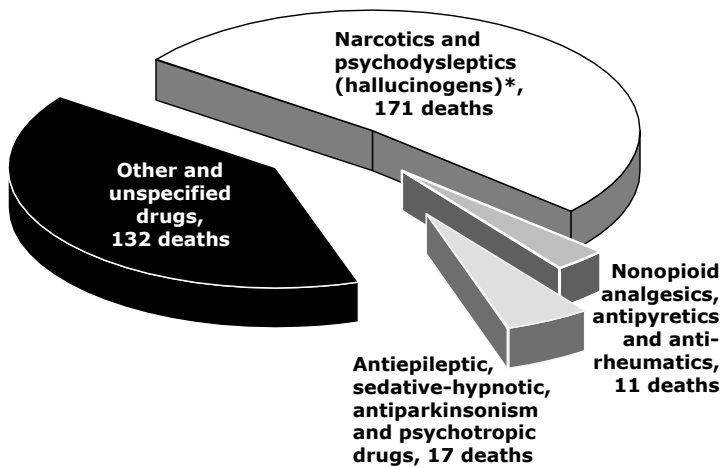


Note: The drug-related mortality for 2000 is classified according to the Tenth Revision of the International Classification of Diseases (ICD-10). The drug-related mortality for 1990-1999 is classified by ICD-9.

Causes of death attributable to drug-related mortality include not only deaths from dependent and non-dependent use of drugs (legal or illegal), but also poisoning by and adverse effects of medically prescribed and other drugs. The category of “drug-related deaths” excludes accidents, homicides and other causes indirectly related to drug use. Also excluded are newborn deaths due to mother’s drug use.

Effective with data for 2000, causes of drug-related death are classified by the Tenth Revision of the International Classification of Diseases (ICD-10), replacing the Ninth Revision (ICD-9) used in 1979-1999. Between 1999 and 2000 the death rates for drug-related causes (particularly accidental overdoses and suicidal poisoning) declined sharply in Arizona (**Figure 8-1**). The extent to which the change from ICD-9 to ICD-10 accounts for the change in death rates is unclear. The available measures of comparison between ICD-9 and ICD-10 – the “comparability ratios” – for drug-related causes of mortality seem to suggest an expected increase in the number of deaths classified as drug-related according to ICD-10.

Figure 8-2
Drug-related Deaths by Type of Drug, Arizona, 2000



*Includes cannabis, cocaine, codeine, heroine, LSD, mescaline, methadone, morphine, opium.

In 2000, 171 deaths of Arizona residents were attributed to narcotics, and psychodysleptics (hallucinogens) (**Figure 8-2**). Seventeen deaths had antiepileptic, sedative-hypnotic, antiparkinsonism and other psychotropic drugs as agents. There were eleven deaths attributed to nonopioid analgesics, antipyretics and antirheumatics. Other and unspecified drugs accounted for 132 deaths, or 40 percent of total drug-related mortality.

DRUG-RELATED DEATHS

Figure 8-3
Drug-Related Death Rates by Race/Ethnic Group,
Arizona, 2000

Among ethnic groups, the highest rate of drug-related deaths in 2000 was among Black residents of Arizona (8.8/100,000; **Figure 8-3**). It exceeded the corresponding rates for Whites non-Hispanics, American Indians and Hispanics by at least 19 percent. There were no drug related deaths among Asian residents of the State.

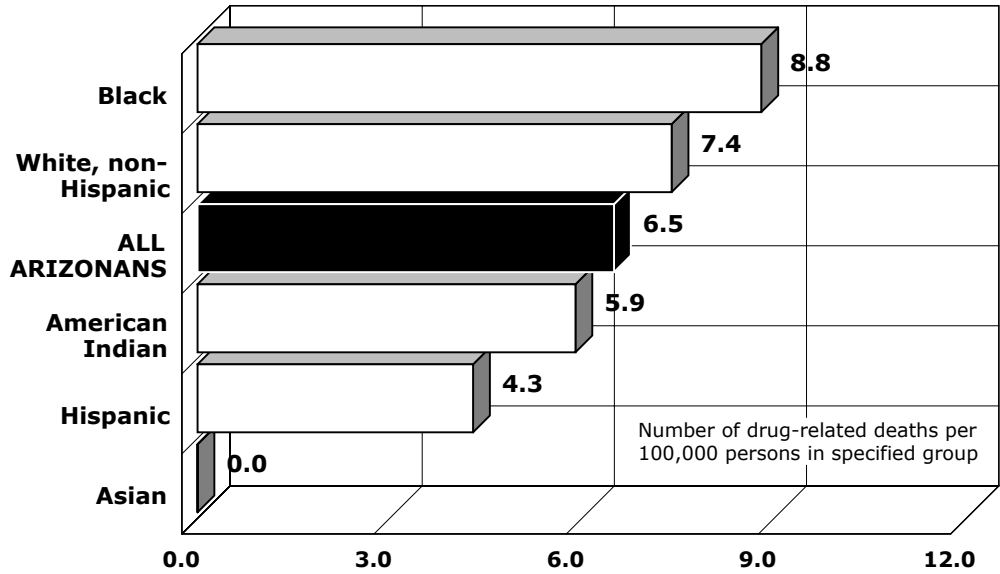
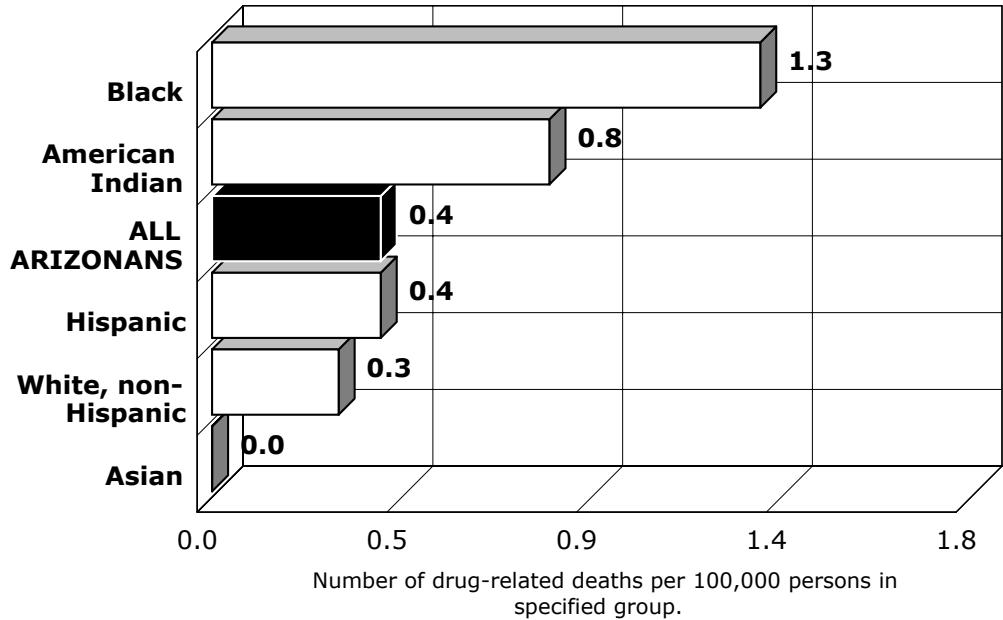


Figure 8-4
Mortality Rates for Abuse of Psychoactive Substances*
by Race/Ethnic Group, Arizona, 2000

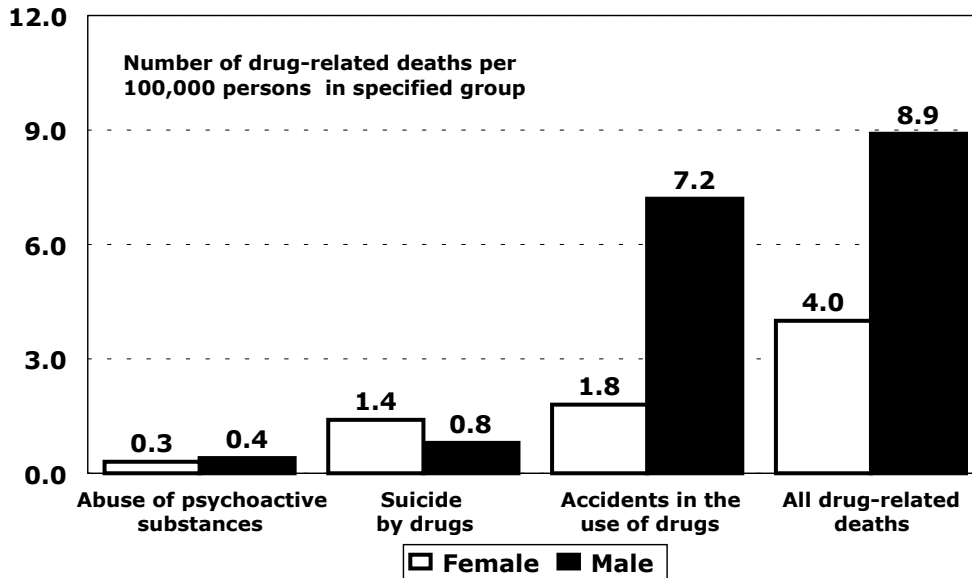
In 2000, Black and American Indian residents of the State had the highest mortality rates for abuse of psychoactive substances (**Figure 8-4**), such as cannabis, cocaine, heroine, LSD, mescaline, methadone, morphine and opium.



*Includes cannabis, cocaine, codeine, heroine, LSD, mescaline, methadone, morphine, opium.

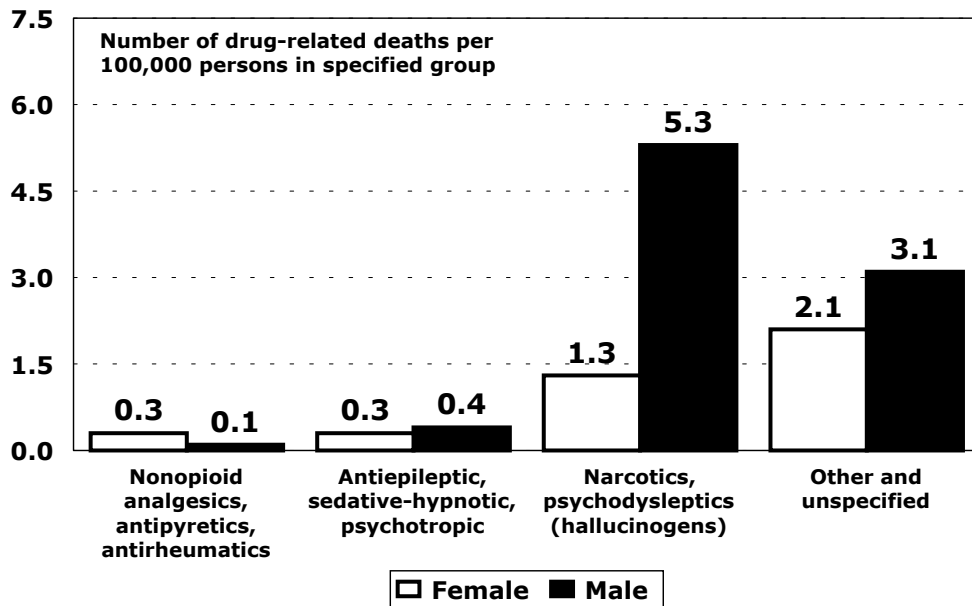
DRUG-RELATED DEATHS

Figure 8-5
Drug-Related Death Rates by Mortality Category and Gender,
Arizona, 2000



The 2000 rate of drug-related deaths among males (8.9/100,000) was 2.2 times the rate for females (4.0/100,000; **Figure 8-5**). The death rate for accidental overdoses among males (7.2/100,000) was 4 times the female rate of 1.8/100,000. In contrast, the female rate for suicide by drugs exceeded the respective rate among males by 75 percent.

Figure 8-6
Drug-Related Death Rates by Type of Drug and Gender,
Arizona, 2000



The male mortality rate for narcotics and psychodysleptics (hallucinogens) was 4.1 times higher than the respective female rate (**Figure 8-6**). In contrast, the female mortality rate for nonopioid analgesics, antipyretics and antirheumatics was 3 times greater than the respective male rate.

DRUG-RELATED DEATHS

Figure 8-7
Drug-Related Death Rates by Type of Drug
and Urban*/Rural Area, Arizona, 2000

Relative to rural residents, the 2000 mortality risk of urban residents was 1.5 greater for all drug-related causes (**Figure 8-7**). In particular, urban compared to rural residents were 2.2 more likely to die from the abuse of narcotics and psychodysleptics (3.7/100,000 vs. 1.7/100,000). In contrast, rural residents had a mortality disadvantage with respect to urban residents on overdoses of sedative-hypnotic and psychotropic drugs.

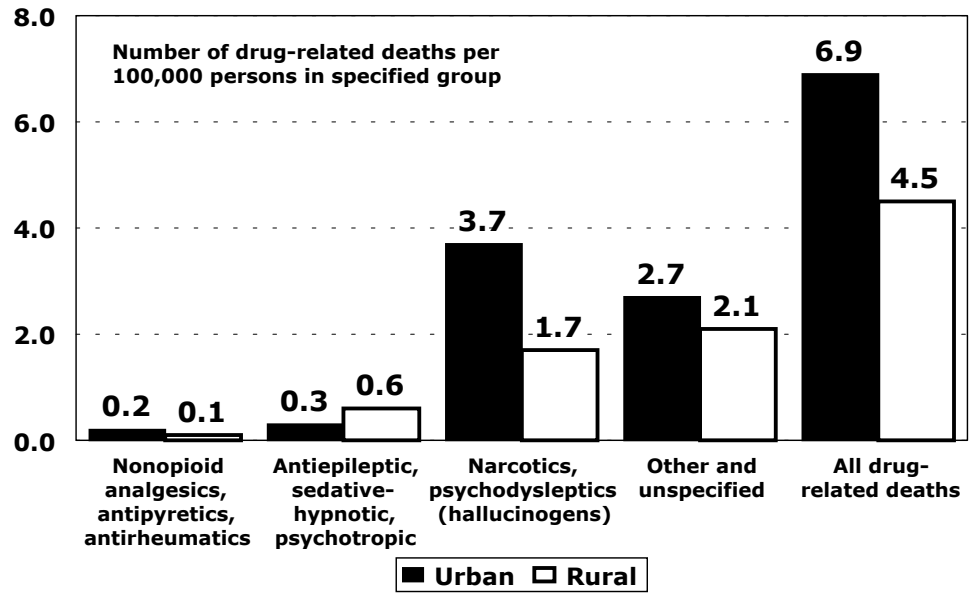
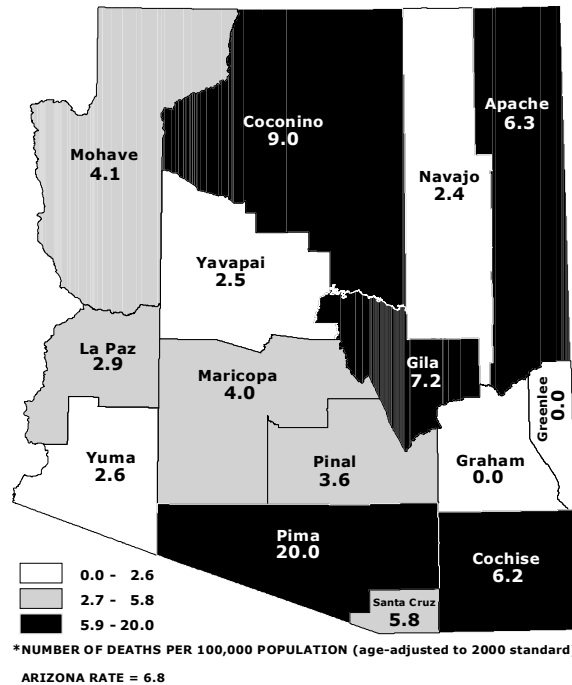


Figure 8-8
Age-Adjusted* Mortality Rates for Drug-Related
Deaths by County of Residence, Arizona, 2000

The age-adjusted drug-related mortality rates varied in Arizona in 2000 from zero (no fatalities) in Graham and Greenlee counties to 20.0/100,000 in Pima County (**Figure 8-8**).



DRUG-RELATED DEATHS DATA TABLES

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**TABLE 8-1
DRUG-RELATED DEATHS BY CATEGORY AND SPECIFIC DIAGNOSIS,
ARIZONA, 2000**

Category	Description/type of drugs	Specific ICD-10 code	No. of deaths
ABUSE OF PSYCHOACTIVE SUBSTANCES (MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF PSYCHOACTIVE SUBSTANCES)	Opioids	F11.1	1
	Cocaine	F14.1	2
		F14.9	1
	Other stimulants, including caffeine	F15.1	1
	Other psychoactive substances	F19.1	9
	F19.2	3	
	F19.9	2	
	X40	4	
ACCIDENTAL POISONING BY AND EXPOSURE TO DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES	Nonopioid analgesics, antipyretics and antirheumatics	X41	8
	Antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs not elsewhere classified	X42	138
INTENTIONAL SELF-POISONING BY AND EXPOSURE TO DRUGS, MEDICAMENTS BIOLOGICAL SUBSTANCES	Narcotics and psychodysleptics (hallucinogens) not elsewhere classified, (include cannabis, cocaine, codeine, heroin, LSD, mescaline, methadone, morphine, opium)	X43	1
	Other drugs acting on the autonomic nervous system	X44	79
	Other and unspecified drugs, medicaments and biological substances	X60	6
	Nonopioid analgesics, antipyretics and antirheumatics	X61	7
	Antiepileptic, sedative-hypnotic, anti-parkinsonism and psychotropic drugs not elsewhere classified	X62	5
	X64	40	
ASSAULT BY DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES	Homicidal poisoning by any biological substance, drug, medicament	X85	0
	Nonopioid analgesics, antipyretics and antirheumatics	Y10	1
POISONING BY AND EXPOSURE TO DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES, UNDETERMINED INTENT	Antiepileptic, sedative-hypnotic, anti-parkinsonism and psychotropic drugs not elsewhere classified	Y11	2
	Narcotics and psychodysleptics (hallucinogens) not elsewhere classified, (include cannabis, cocaine, codeine, heroin, LSD, mescaline, methadone, morphine, opium)	Y12	9
	Other and unspecified drugs, medicaments and biological substances	Y14	9
DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	Insulin and oral hypoglycaemic (antidiabetic) drugs	Y42.3	1
	Anticoagulants	Y44.2	1
	X-ray contrast media	Y57.5	1
TOTAL			331

Note: the category titles and codes are according to the Tenth Revision of the International Classification of Diseases (ICD-10).
The drug related mortality for 2000 is classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999.

**TABLE 8-2
DRUG-RELATED MORTALITY BY CATEGORY AND YEAR, ARIZONA, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Abuse of psychoactive substances	315	16	25	57	42	25	42	49	10	16	14	19
Accidents in the use of drugs:	2475	83	78	131	162	233	229	277	296	367	386	233
Accidental poisoning by drugs	2413	81	77	125	153	224	221	268	289	362	383	230
Adverse effects of drugs in therapeutic use	62	2	1	6	9	9	8	9	7	5	3	3
Intentional self-poisoning by drugs	854	66	61	78	85	81	108	56	73	87	101	58
Assault by drugs	7	0	1	0	1	0	0	1	2	1	1	0
Undetermined intent of poisoning by drugs	249	9	20	17	20	18	18	21	27	37	41	21
Total	3900	174	185	283	310	357	397	404	408	508	543	331

**TABLE 8-3
MORTALITY RATES AND PERCENT DISTRIBUTION OF DRUG-RELATED MORTALITY
BY CATEGORY AND YEAR, ARIZONA, 1990-2000**

	Mortality rates per 100,000 population:											
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Abuse of psychoactive substances	0.4	0.7	1.5	1.1	0.6	1.0	1.1	0.2	0.3	0.3	0.4	
Accidents in the use of drugs:	2.2	2.1	3.3	4.1	5.7	5.4	6.2	6.4	7.8	7.8	4.5	
Intentional self-poisoning by drugs	1.8	1.6	2.0	2.2	2.0	2.6	1.3	1.6	1.8	2.1	1.1	
Assault by drugs	---	0.0	---	0.0	---	---	0.0	0.0	0.0	0.0	---	
Undetermined intent of poisoning by drugs	0.2	0.5	0.4	0.5	0.4	0.4	0.5	0.6	0.8	0.8	0.4	
Total	4.6	4.9	7.2	7.9	8.7	9.5	9.1	8.9	10.8	11.0	6.5	

0.0 Quantity equal or less than 0.05.
 --: Quantity zero (no deaths to calculate a rate).

**TABLE 8-4
DRUG-RELATED DEATHS BY RACE/ETHNIC GROUP AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
WHITE NON-HISPANIC											
Total	132	137	204	243	251	306	286	291	372	380	242
Abuse of psychoactive substances	12	19	37	31	13	27	38	4	10	7	9
Accidental poisoning by drugs	56	51	84	115	145	156	181	187	248	258	159
Intentional self-poisoning by drugs	54	49	64	76	71	101	47	68	80	79	53
Assault by drugs	0	1	0	1	0	0	1	2	1	1	0
Undetermined intent of poisoning by drugs	8	16	13	13	14	15	14	24	29	32	19
Drugs causing adverse effects in therapeutic use	2	1	6	7	8	7	5	6	4	3	2
Total	28	33	47	42	55	63	76	66	88	100	56
HISPANIC											
Abuse of psychoactive substances	4	5	12	7	10	9	7	2	3	6	5
Accidental poisoning by drugs	17	17	27	26	42	47	61	61	75	81	45
Intentional self-poisoning by drugs	6	8	6	5	2	4	5	0	4	10	4
Undetermined intent of poisoning by drugs	1	3	2	2	1	2	3	3	5	3	1
Drugs causing adverse effects in therapeutic use	0	0	0	2	0	1	0	0	1	0	1
Total	5	9	13	12	19	14	20	23	18	29	14
BLACK											
Abuse of psychoactive substances	0	0	3	2	1	3	2	1	1	0	2
Accidental poisoning by drugs	3	6	8	8	14	9	15	19	17	23	12
Intentional self-poisoning by drugs	2	3	2	0	3	2	0	3	0	3	0
Undetermined intent of poisoning by drugs	0	0	0	2	0	0	1	0	0	3	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	1	0	2	0	0	0	0
Total	9	6	16	13	28	12	19	22	26	24	15
AMERICAN INDIAN											
Abuse of psychoactive substances	0	1	3	2	1	2	2	3	2	1	2
Accidental poisoning by drugs	5	3	6	4	23	8	8	17	19	16	12
Intentional self-poisoning by drugs	4	1	5	4	2	1	4	2	2	5	1
Undetermined intent of poisoning by drugs	0	1	2	3	2	1	3	0	3	2	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	2	0	0	0	0
Total	0	0	2	0	4	1	0	2	2	3	0
ASIAN											
Abuse of psychoactive substances	0	0	2	0	0	1	0	0	0	0	0
Accidental poisoning by drugs	0	0	0	0	0	0	0	1	1	1	0
Intentional self-poisoning by drugs	0	0	0	0	3	0	0	0	1	2	0
Undetermined intent of poisoning by drugs	0	0	0	0	1	0	0	0	0	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	1	0	0	0
Total	0	0	1	0	0	1	3	4	2	7	4
OTHER/UNKNOWN											
Abuse of psychoactive substances	0	0	0	0	0	0	0	0	0	0	1
Accidental poisoning by drugs	0	0	0	0	0	1	3	4	2	4	2
Intentional self-poisoning by drugs	0	0	1	0	0	0	0	0	0	0	2
Undetermined intent of poisoning by drugs	0	0	0	0	0	0	0	0	0	0	1

**TABLE 8-5
DRUG-RELATED MORTALITY BY RACE/ETHNIC GROUP, AGE GROUP AND YEAR, ARIZONA, 1990-2000**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
TOTAL, ALL GROUPS*	Total	174	185	283	310	357	397	404	408	508	543	331
	Age group											
	<1	0	0	0	0	1	0	0	0	0	0	2
	1-14	3	0	0	2	2	2	0	5	1	1	0
	15-19	8	7	9	7	4	7	3	6	7	6	4
	20-44	115	130	202	215	249	284	296	263	344	351	179
45-64	33	34	45	67	75	80	81	103	138	160	121	
65+	15	14	26	18	26	23	20	27	17	22	24	
Unknown	0	0	1	1	0	0	1	4	4	1	3	1
Total		132	137	204	243	251	306	286	291	372	380	242
WHITE NON-HISPANIC	Age group											
	<1	0	0	0	0	1	0	0	0	0	0	1
	1-14	1	0	0	2	1	1	0	2	0	0	0
	15-19	6	5	6	4	2	5	3	1	3	1	2
	20-44	84	93	135	163	172	210	203	180	238	239	122
	45-64	27	27	38	57	52	68	60	83	115	118	95
65+	14	12	25	16	23	21	19	24	15	20	22	
Unknown	0	0	0	1	0	0	1	1	1	1	2	0
Total		28	33	47	42	55	63	76	66	88	100	56
HISPANIC	Age group											
	1-14	0	0	0	0	0	0	0	2	1	0	0
	15-19	1	2	2	3	2	1	0	5	1	4	1
	20-44	22	25	41	31	42	53	65	47	69	70	38
	45-64	5	5	4	6	9	7	11	11	15	26	16
	65+	0	1	0	2	2	2	0	1	2	0	1
Unknown	5	9	13	12	19	14	20	23	18	29	14	
Total		0	0	0	0	0	0	0	0	0	0	1
BLACK	Age group											
	<1	0	0	0	0	0	0	0	0	0	0	0
	1-14	0	0	0	0	0	1	0	1	0	0	0
	15-19	0	0	0	0	0	0	0	0	0	0	1
	20-44	5	8	11	12	10	9	16	17	12	22	8
	45-64	0	0	2	0	9	4	4	4	6	5	3
65+	0	1	0	0	0	0	0	1	0	1	1	
Unknown	0	0	0	0	0	0	0	0	0	0	1	0
Total		9	6	16	13	28	12	19	22	26	24	15
AMERICAN INDIAN	Age group											
	1-14	2	0	0	0	1	0	0	0	0	1	0
	15-19	1	0	1	0	0	1	0	0	2	0	0
	20-44	4	4	13	9	23	10	12	18	22	16	11
	45-64	1	2	1	4	3	1	6	3	2	7	4
	65+	1	0	1	0	1	0	1	1	0	0	0
Total		0	0	2	0	4	1	0	2	2	3	0
ASIAN	Age group											
	15-19	0	0	0	0	0	0	0	0	1	0	0
	20-44	0	0	2	0	2	1	0	0	1	1	0
	45-64	0	0	0	0	2	1	0	1	1	1	0
	65+	0	0	0	0	2	0	0	0	1	0	0
	Unknown	0	0	0	0	2	2	0	0	1	0	1
Total		0	0	0	0	0	0	0	0	0	1	0

* May include records with other or unknown race/ethnic group.

**TABLE 8-6
DRUG-RELATED MORTALITY IN URBAN* AND RURAL AREAS BY YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
TOTAL,											
Total	174	185	283	310	357	397	404	408	508	543	331
Abuse of psychoactive substances	16	25	57	42	25	42	49	10	16	14	19
Accidental poisoning by drugs	81	77	125	153	224	221	268	289	362	383	230
Intentional self-poisoning by drugs	66	61	78	85	81	108	56	73	87	101	58
Assault by drugs	0	1	0	1	0	0	1	2	1	1	0
Undetermined intent of poisoning by drugs	9	20	17	20	18	18	21	27	37	41	21
Drugs causing adverse effects in therapeutic use	2	1	6	9	9	8	9	7	5	3	3
Total	151	173	223	257	303	343	339	352	421	471	292
Abuse of psychoactive substances	15	25	52	37	22	35	41	8	14	14	18
Accidental poisoning by drugs	72	73	99	134	196	195	233	258	315	344	208
Intentional self-poisoning by drugs	55	57	55	68	63	91	48	61	66	78	48
Assault by drugs	0	1	0	1	0	0	1	2	1	0	0
Undetermined intent of poisoning by drugs	7	16	12	10	14	15	9	17	21	33	15
Drugs causing adverse effects in therapeutic use	2	1	5	7	8	7	7	6	4	2	3
Total	23	12	55	41	50	39	50	39	73	69	39
Abuse of psychoactive substances	1	0	5	4	2	3	6	0	1	0	1
Accidental poisoning by drugs	9	4	24	18	26	22	30	23	40	38	22
Intentional self-poisoning by drugs	11	4	21	13	18	12	6	8	19	21	10
Assault by drugs	0	0	0	0	0	0	0	0	0	1	0
Undetermined intent of poisoning by drugs	2	4	4	5	3	1	7	7	12	8	6
Drugs causing adverse effects in therapeutic use	0	0	1	1	1	1	1	1	1	1	0
RURAL											

* Maricopa, Pima, Pinal and Yuma counties. The remaining counties comprise Arizona's rural areas.

**TABLE 8-7
DRUG-RELATED MORTALITY BY GENDER AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	174	185	283	310	357	397	404	408	508	543	331
Abuse of psychoactive substances	16	25	57	42	25	42	49	10	16	14	19
Accidental poisoning by drugs	81	77	125	153	224	221	268	289	362	383	230
Intentional self-poisoning by drugs	66	61	78	85	81	108	56	73	87	101	58
Assault by drugs	0	1	0	1	0	0	1	2	1	1	0
Undetermined intent of poisoning by drugs	9	20	17	20	18	18	21	27	37	41	21
Drugs causing adverse effects in therapeutic use	2	1	6	9	9	8	9	7	5	3	3
Male	125	119	205	218	247	277	300	301	359	396	229
Abuse of psychoactive substances	14	21	50	32	22	36	36	8	13	13	11
Accidental poisoning by drugs	64	60	97	122	171	181	220	237	287	304	184
Intentional self-poisoning by drugs	39	26	44	42	43	46	26	35	41	56	21
Assault by drugs	0	0	0	0	0	0	1	0	0	0	0
Undetermined intent of poisoning by drugs	6	11	10	16	8	10	12	17	17	21	12
Drugs causing adverse effects in therapeutic use	2	1	4	6	3	4	5	4	1	2	1
Female	49	66	78	92	110	120	104	107	149	147	102
Abuse of psychoactive substances	2	4	7	10	3	6	13	2	3	1	8
Accidental poisoning by drugs	17	17	28	31	53	40	48	52	75	79	46
Intentional self-poisoning by drugs	27	35	34	43	38	62	30	38	46	45	37
Assault by drugs	0	1	0	1	0	0	0	2	1	1	0
Undetermined intent of poisoning by drugs	3	9	7	4	10	8	9	10	20	20	9
Drugs causing adverse effects in therapeutic use	0	0	2	3	6	4	4	3	4	1	2

**TABLE 8-8
DRUG-RELATED DEATHS BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Apache	Total	2	1	2	1	6	1	0	5	0	4
	Abuse of psychoactive substances	0	0	0	0	1	0	0	0	0	0
	Accidental poisoning by drugs	1	0	0	1	5	3	0	1	0	3
	Intentional self-poisoning by drugs	1	0	0	0	0	0	1	0	1	0
	Undetermined intent of poisoning by drugs	0	1	2	0	0	0	0	0	3	0
Cochise	Total	5	2	5	4	8	2	7	9	11	7
	Abuse of psychoactive substances	0	0	0	1	1	0	0	0	0	0
	Accidental poisoning by drugs	3	0	3	2	3	0	5	3	6	1
	Intentional self-poisoning by drugs	2	1	2	1	3	2	2	1	1	5
	Undetermined intent of poisoning by drugs	0	1	0	0	1	0	0	2	0	4
Coconino	Total	5	0	6	4	3	2	6	10	9	9
	Abuse of psychoactive substances	0	0	0	0	0	0	1	0	1	0
	Accidental poisoning by drugs	2	0	4	1	1	1	3	2	6	5
	Intentional self-poisoning by drugs	3	0	2	2	2	1	0	0	2	3
	Undetermined intent of poisoning by drugs	0	0	0	1	0	0	2	0	1	0
Gila	Total	1	1	2	5	5	4	5	9	5	3
	Abuse of psychoactive substances	0	0	1	1	0	1	0	0	0	0
	Accidental poisoning by drugs	0	1	0	3	4	2	3	4	5	4
	Intentional self-poisoning by drugs	1	0	1	1	1	2	0	1	2	1
	Undetermined intent of poisoning by drugs	0	0	0	0	0	0	1	0	2	0
Graham	Total	1	1	2	2	0	1	6	2	2	7
	Abuse of psychoactive substances	0	0	1	0	0	0	1	0	0	0
	Accidental poisoning by drugs	1	0	0	1	0	1	4	0	1	3
	Intentional self-poisoning by drugs	0	0	1	0	0	0	0	1	1	0
	Assault by drugs	0	0	0	0	0	0	0	0	0	1
Greenlee	Total	1	0	0	1	0	0	0	1	0	0
	Abuse of psychoactive substances	0	0	0	0	0	0	0	0	0	0
	Accidental poisoning by drugs	0	0	0	0	0	0	0	0	0	0
	Intentional self-poisoning by drugs	0	0	0	0	0	0	0	0	0	0
	Undetermined intent of poisoning by drugs	0	0	0	0	0	0	0	0	0	0
Maricopa	Total	105	123	149	163	214	225	231	241	299	315
	Abuse of psychoactive substances	14	24	49	33	21	34	37	5	11	13
	Accidental poisoning by drugs	47	43	49	75	137	123	154	179	223	235
	Intentional self-poisoning by drugs	39	44	41	45	46	61	34	42	50	48
	Assault by drugs	0	1	0	0	0	0	0	2	1	0
Mohave	Total	3	10	7	5	3	2	2	8	10	17
	Abuse of psychoactive substances	0	0	0	0	0	0	0	0	0	0
	Accidental poisoning by drugs	2	1	3	5	7	5	4	5	4	2
	Intentional self-poisoning by drugs	1	1	1	1	9	8	7	10	6	9
	Undetermined intent of poisoning by drugs	0	0	0	0	0	0	0	0	0	0
Navajo	Total	1	1	2	2	6	2	3	3	7	12
	Abuse of psychoactive substances	0	0	0	0	3	1	2	0	4	7
	Accidental poisoning by drugs	1	1	2	1	1	1	0	1	2	4
	Intentional self-poisoning by drugs	0	0	0	0	1	0	1	0	1	1
	Undetermined intent of poisoning by drugs	0	0	0	0	1	0	1	0	1	1

TABLE 8-8 (continued)
DRUG-RELATED DEATHS BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 1990-2000

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Pima											
Total	44	49	71	82	74	96	97	94	108	136	161
Abuse of psychoactive substances	1	1	3	4	1	0	2	1	2	1	8
Accidental poisoning by drugs	24	29	48	50	49	59	74	66	82	99	123
Intentional self-poisoning by drugs	15	13	14	22	13	25	13	18	13	22	18
Assault by drugs	0	0	0	1	0	0	0	0	0	0	0
Undetermined intent of poisoning by drugs	4	6	5	3	10	11	7	8	11	14	12
Drugs causing adverse effects in therapeutic use	0	0	1	2	1	1	1	1	0	0	0
Pinal											
Total	4	1	14	8	12	14	6	12	8	9	6
Abuse of psychoactive substances	1	0	2	0	0	1	1	2	0	0	0
Accidental poisoning by drugs	0	1	7	6	8	6	1	9	6	2	5
Intentional self-poisoning by drugs	2	0	3	0	3	5	1	1	2	5	1
Assault by drugs	0	0	0	0	0	0	1	0	0	0	0
Undetermined intent of poisoning by drugs	1	1	2	2	1	1	0	0	0	2	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	1	2	0	0	0	0
Santa Cruz											
Total	1	1	0	3	0	4	2	2	5	3	1
Abuse of psychoactive substances	0	0	0	0	0	0	0	0	0	0	1
Accidental poisoning by drugs	0	1	0	2	0	3	2	2	4	2	0
Intentional self-poisoning by drugs	0	0	0	1	0	1	0	0	1	1	0
Undetermined intent of poisoning by drugs	1	0	0	0	0	0	0	0	0	0	0
Yavapai											
Total	1	2	11	8	12	9	13	7	15	10	6
Abuse of psychoactive substances	0	0	0	1	0	1	2	0	0	0	0
Accidental poisoning by drugs	0	0	5	5	5	3	8	5	10	7	4
Intentional self-poisoning by drugs	1	2	6	2	6	3	2	1	5	3	1
Undetermined intent of poisoning by drugs	0	0	0	0	1	1	1	1	0	0	1
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	1	0	0	0	0	0
Yuma											
Total	2	1	3	4	3	8	5	5	6	11	4
Abuse of psychoactive substances	0	0	0	0	0	0	1	0	1	0	0
Accidental poisoning by drugs	1	1	2	3	2	7	4	4	4	8	4
Intentional self-poisoning by drugs	1	0	0	1	1	0	0	0	1	3	0
Undetermined intent of poisoning by drugs	0	0	0	0	0	1	0	1	0	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	0	0	0
La Paz											
Total	0	1	0	0	1	3	1	2	4	3	1
Accidental poisoning by drugs	0	0	0	0	1	2	1	2	3	2	0
Intentional self-poisoning by drugs	0	0	0	0	0	1	0	0	1	1	1
Undetermined intent of poisoning by drugs	0	1	0	0	0	0	0	0	0	0	0
Unknown											
Total	0	0	5	12	4	15	15	17	14	3	0
Abuse of psychoactive substances	0	0	0	1	1	4	2	2	1	0	0
Accidental poisoning by drugs	0	0	2	1	2	4	5	8	7	1	0
Intentional self-poisoning by drugs	0	0	0	4	0	5	2	4	2	2	0
Undetermined intent of poisoning by drugs	0	0	1	5	1	2	5	3	4	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	1	0	0	1	0	0	0	0

**TABLE 8-9
DRUG-RELATED DEATHS BY 5-YEAR AGE GROUPS AND YEAR, ARIZONA, 1990-2000**

Age group	Total	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<1	3	0	0	0	0	1	0	0	0	0	0	2
1-4	3	0	0	0	0	0	1	0	2	0	0	0
5-9	2	0	0	0	1	0	0	0	0	0	1	0
10-14	11	3	0	0	1	2	1	0	3	1	0	0
15-19	68	8	7	9	7	4	7	3	6	7	6	4
20-24	194	6	11	13	12	18	18	26	23	25	28	14
25-29	359	32	26	31	21	32	34	28	29	45	51	30
30-34	571	20	44	47	56	62	54	69	56	69	61	33
35-39	751	34	28	63	68	68	97	83	81	101	87	41
40-44	753	23	21	48	58	69	81	90	74	104	124	61
45-49	491	15	15	20	30	32	43	52	55	71	89	69
50-54	249	11	9	14	16	22	16	18	27	34	49	33
55-59	129	3	6	5	14	12	13	5	16	27	15	13
60-64	68	4	4	6	7	9	8	6	5	6	7	6
65-69	59	4	5	8	5	9	5	6	6	3	4	4
70-74	53	3	3	9	3	8	5	4	9	1	5	3
75-79	58	5	3	2	6	4	5	5	7	8	7	6
80-84	31	2	2	4	1	1	5	2	5	2	3	4
85-89	20	1	1	2	3	1	2	1	0	2	2	5
90-94	8	0	0	1	0	2	1	1	0	1	0	2
95-99	3	0	0	0	0	1	0	1	0	0	1	0
Unknown	16	0	0	1	1	0	1	4	4	1	3	1
Total	3900	174	185	283	310	357	397	404	408	508	543	331

**TABLE 8-10
SOCIODEMOGRAPHIC CHARACTERISTICS OF DRUG-RELATED DEATHS BY TYPE OF DRUG,
ARIZONA, 2000**

	Nonopioid analgesics, antipyretics and antirheumatics	Antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs not elsewhere classified	Narcotics and psychodysleptics (hallucinogens) not elsewhere classified*	Other and unspecified drugs, medications and biological substances	Total
Total	11	17	171	132	331
RACE/ETHNICITY					
White non-Hispanic	9	16	107	110	242
Hispanic	2	0	39	15	56
Black	0	1	10	3	14
American Indian	0	0	12	3	15
Asian	0	0	0	0	0
Other/Unknown	0	0	3	1	4
GENDER					
Male	3	10	137	79	229
Female	8	7	34	53	102
AREA					
Urban**	10	12	156	114	292
Rural	1	5	15	18	39
AGE GROUP					
<15	0	0	1	1	2
15-19	0	0	3	1	4
20-44	6	8	101	64	179
45-64	3	8	63	47	121
65+	2	1	2	19	24
Unknown	0	0	1	0	1
EDUCATION					
8 or less	0	2	9	7	18
9-11 years	1	4	38	22	65
12 years	4	4	78	47	133
13-16 years	6	6	32	44	88
17+ years	0	0	5	7	12
Unknown	0	1	9	5	15
MARITAL STATUS					
Never married	2	4	60	38	104
Married	5	7	40	40	92
Widowed	2	1	4	12	19
Divorced	2	5	59	37	103
Unknown	0	0	8	5	13

* Include cannabis, cocaine, codeine, heroin, LSD, mescaline, methadone, morphine, opium.

** Maricopa, Pima, Pinal and Yuma counties. The remaining counties comprise Arizona's rural areas.

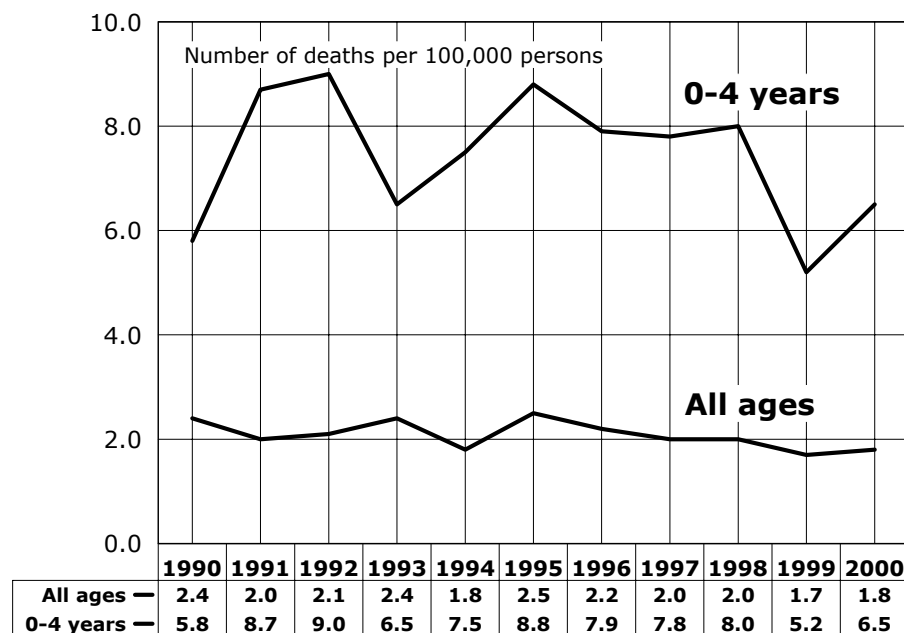
DROWNING DEATHS

9



DROWNING DEATHS

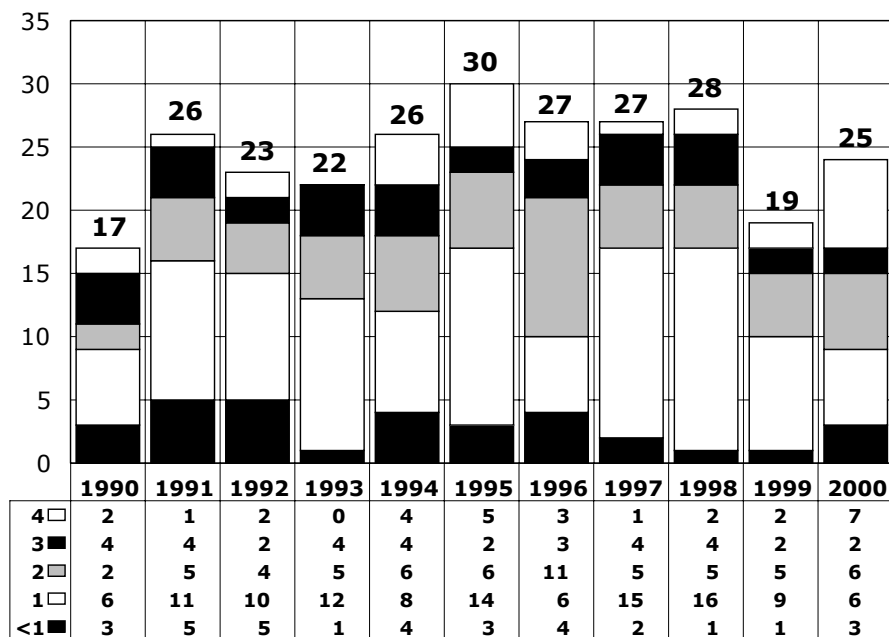
Figure 9-1
Drowning Death Rates for Arizonans of All Ages
and Children 0-4 Years Old, Arizona, 1990-2000



Both nationally and in Arizona, the highest age-specific drowning rate is for children under five years of age. The 2000 drowning rate among preschoolers 0-4 years old was 3.6 times higher than the rate for persons of all ages (**Figure 9-1**).

The number of drowning deaths per 100,000 Arizona children 0-4 years old dropped from a recent high of 8.0/100,000 in 1998 to 5.2/100,000 in 1999. However, drowning mortality among preschoolers increased again to a rate of 6.5/100,000 in 2000.

Figure 9-2
Accidental Drowning Deaths by Year Among Infants
and Children 0-4 Years Old, Arizona, 1990-2000



Among children under 5 years of age only 1 year olds experienced a noticeable decrease in the number of drowning deaths from 16 in 1998 to 6 in 2000 (**Figure 9-2**).

DROWNING DEATHS

Figure 9-3
Accidental Drowning Deaths by Place Among Infants and Children 0-4 Years Old, Arizona, 1990-2000

Two out of every three (67.4 percent) children 0-4 years old who drowned between 1990 and 2000 did so in a swimming pool (Figure 9-3).

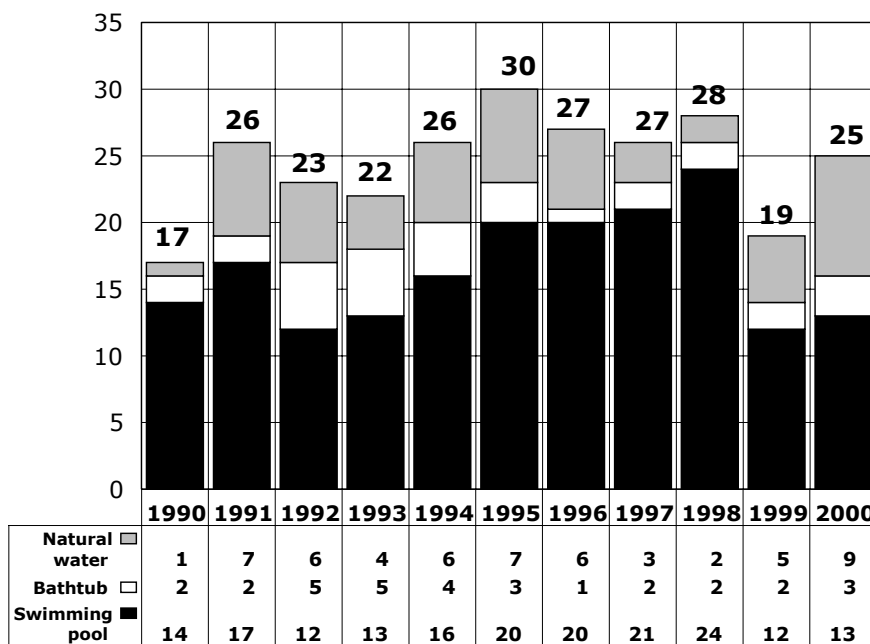
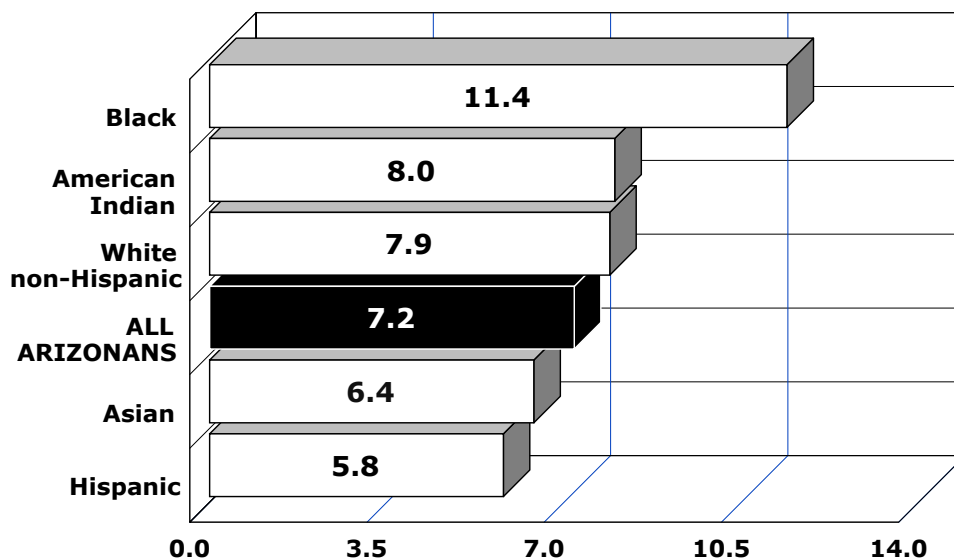


Figure 9-4
Average Annual Mortality Rates for Accidental Drowning by Race/Ethnic Group Among Children 0-4 Years Old, Arizona, 1990-2000

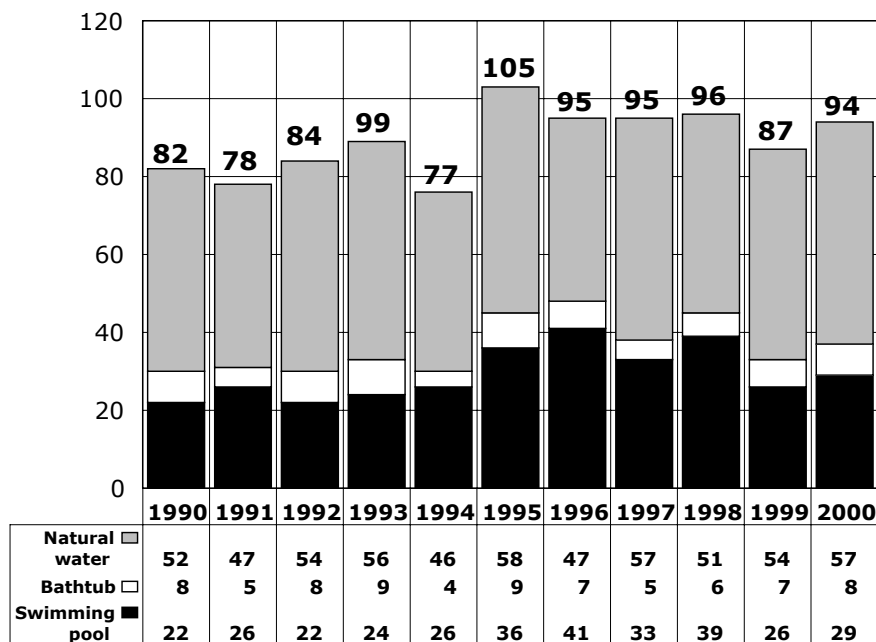
During 1990-2000, Black children 0-4 years old had the highest average annual drowning mortality rate (Figure 9-4), followed by American Indians and White non-Hispanics.



Number of drowning deaths per 100,000 population in specified group per year from 1990 to 2000. The rates were computed using an 11-year total number of deaths for 1990-2000. The 1995 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

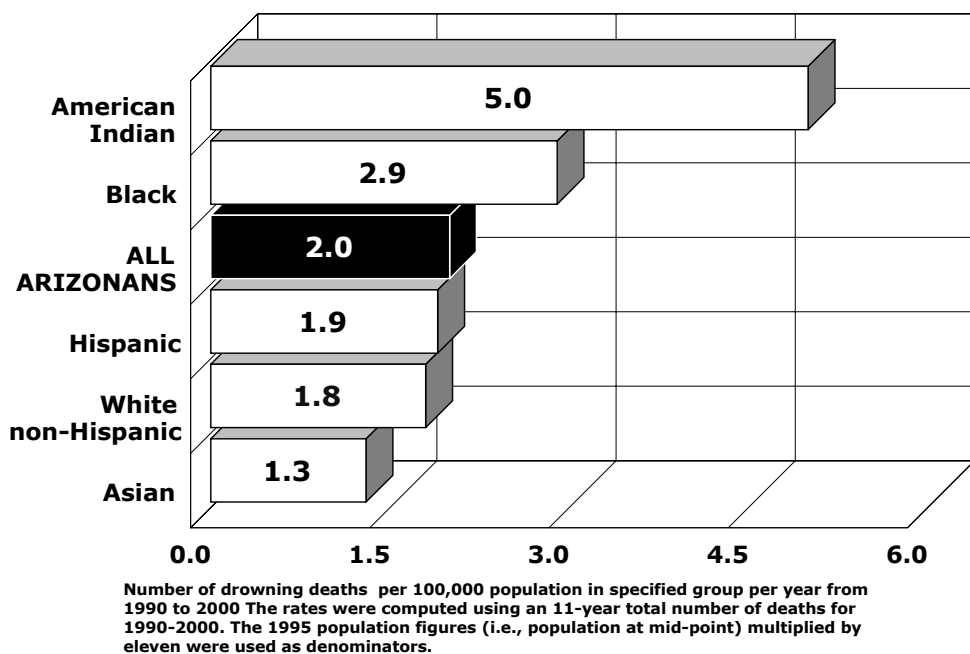
DROWNING DEATHS

Figure 9-5
Accidental Drowning Deaths by Place Among
Persons of All Ages, Arizona, 1990-2000



Six out of every ten, or 579 out of 963 Arizonans of all ages who drowned between 1990 and 2000 did so in a lake or river (**Figure 9-5**). Swimming pool drownings accounted for 33 percent (329/963) of all drowning deaths of Arizonans of all ages in 1990-2000.

Figure 9-6
Average Annual Mortality Rates for Accidental
Drowning by Race/Ethnic Group, Arizona, 1990-2000



American Indian residents of all ages in Arizona had the highest 1990-2000 rate of death from drowning (5.0/100,000; **Figure 9-6**). Arizona's Blacks had the second highest death rate for drowning (2.9/100,000) among ethnic groups during 1990-2000. The average annual drowning death rate of 1.3/100,000 among Asians was the lowest rate among racial/ethnic groups in 1990-2000.

DROWNING DEATHS DATA TABLES

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**TABLE 9-1
DROWNING DEATHS BY INTENT AND YEAR, ARIZONA RESIDENTS, 1990-2000**

	Total, 1990-2000	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
ACCIDENTAL DROWNING AND SUBMERSION	963	81	76	80	94	72	103	72	103	95	94	94
DROWNING IN WATER TRANSPORT ACCIDENT	29	1	2	4	5	5	2	0	4	2	4	0
ASSAULT (HOMICIDE) BY DROWNING	5	0	0	1	1	1	0	0	0	1	0	1
INTENTIONAL SELF-HARM (SUICIDE) BY DROWNING	29	3	4	5	1	4	1	2	3	1	2	3
DROWNING AND SUBMERSION, UNDETERMINED INTENT	22	3	1	3	2	2	2	2	3	3	1	0
TOTAL	1048	88	83	93	103	84	108	99	101	101	90	98

**TABLE 9-2
NUMBER OF ACCIDENTAL DROWNINGS BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
TOTAL, ALL GROUPS											
TOTAL	81	76	80	94	72	103	95	91	94	83	94
MALE	66	59	58	74	46	84	69	66	74	62	68
FEMALE	15	17	22	20	26	19	26	25	20	21	26
WHITE NON-HISPANIC											
TOTAL	52	48	47	52	43	61	62	53	60	51	52
MALE	39	34	34	40	28	51	48	35	48	38	34
FEMALE	13	14	13	12	15	10	14	18	12	13	18
HISPANIC											
TOTAL	13	14	19	16	17	27	21	15	20	16	21
MALE	12	14	13	14	11	21	13	10	16	11	17
FEMALE	1	0	6	2	6	6	8	5	4	5	4
BLACK											
TOTAL	2	5	3	4	5	3	4	6	1	3	6
MALE	2	4	3	2	3	3	3	5	1	3	6
FEMALE	0	1	0	2	2	0	1	1	0	0	0
AMERICAN INDIAN											
TOTAL	13	8	10	20	7	10	7	16	10	12	13
MALE	12	7	7	18	4	8	4	15	7	9	9
FEMALE	1	1	3	2	3	2	3	1	3	3	4
ASIAN											
TOTAL	1	1	0	2	0	2	1	0	3	0	1
MALE	1	0	0	0	0	1	1	0	2	0	1
FEMALE	0	1	0	2	0	1	0	0	1	0	0
OTHER/UNKNOWN											
TOTAL	0	0	1	0	0	0	0	1	0	1	1
MALE	0	0	1	0	0	0	0	1	0	1	1

**TABLE 9-3
ACCIDENTAL DROWNING DEATHS BY AGE GROUP AND PLACE, ARIZONA, 2000**

	Total	Bathtub	Swimming pool	Natural water (lake, river, etc.)
Total	94	8	29	57
<1	3	3	0	0
1-4	22	0	13	9
5-9	7	0	2	5
10-14	1	0	0	1
15-19	7	0	0	7
20-24	6	0	1	5
25-29	6	0	0	6
30-34	4	0	0	4
35-39	6	1	0	5
40-44	4	1	2	1
45-49	2	0	2	0
50-54	5	0	2	3
55-59	2	1	0	1
60-64	5	0	1	4
65-69	1	0	0	1
70-74	3	2	1	0
75-79	5	0	3	2
80-84	1	0	1	0
85-89	1	0	1	0
90-94	1	0	0	1
Unknown	2	0	0	2

**TABLE 9-4
NUMBER OF ACCIDENTAL DROWNINGS BY PLACE AND COUNTY OF RESIDENCE,
ARIZONA, 2000**

	Total	Bathtub	Swimming pool	Natural water (lake, river, etc.)
Total	94	8	29	57
Apache	4	0	0	4
Cochise	1	1	0	0
Coconino	1	0	0	1
Maricopa	57	3	25	29
Mohave	3	0	0	3
Navajo	2	0	0	2
Pima	12	2	3	7
Pinal	5	0	1	4
Santa Cruz	1	0	0	1
Yavapai	3	1	0	2
Yuma	5	1	0	4

**TABLE 9-5
RESIDENT DROWNING AND NON-RESIDENT DROWNING OCCURRING
IN ARIZONA, 2000**

AGE GROUP	AZ RESIDENT, DIED IN AZ	AZ RESIDENT, DIED ELSEWHERE	NON-RESIDENT, DIED IN AZ
TOTAL	89	5	10
<1	3	0	0
1-4	22	0	0
5-14	8	0	0
15-24	13	0	3
25-34	9	1	2
35-44	9	1	1
45-54	7	0	0
55-64	6	1	0
65+	10	2	4
Unknown	2	0	0

**TABLE 9-6
DROWNING DEATHS BY COUNTY OF OCCURRENCE AND AGE GROUP, ARIZONA, 2000**

County of occurrence	TOTAL *	Age group									
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65+	Unknown
TOTAL	99	3	22	8	16	11	10	7	6	14	2
Apache	2	0	0	0	1	1	0	0	0	0	0
Cochise	1	1	0	0	0	0	0	0	0	0	0
Coconino	2	0	0	0	2	0	0	0	0	0	0
Maricopa	62	1	18	5	7	5	6	6	5	9	0
Mohave	4	0	0	0	1	3	0	0	0	0	0
Navajo	3	0	0	2	1	0	0	0	0	0	0
Pima	11	0	3	1	1	1	1	1	0	3	0
Pinal	3	0	0	0	1	0	1	0	1	0	0
Santa Cruz	1	0	0	0	0	0	0	0	0	1	0
Yavapai	2	1	0	0	0	0	0	0	0	1	0
Yuma	7	0	1	0	1	1	2	0	0	0	2
La Paz	1	0	0	0	1	0	0	0	0	0	0

* Resident (89) and non-resident (10) drowning deaths occurring in Arizona.

**TABLE 9-7
ACCIDENTAL DROWNING DEATHS AND DROWNING RATES BY AGE AMONG CHILDREN 0-4 YEARS OLD,
ARIZONA, 1990-2000**

Age	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Under 1	3	5	5	1	4	3	4	2	1	1	3
1	6	11	10	12	8	14	6	15	16	9	6
2	2	5	4	5	6	6	11	5	5	5	6
3	4	4	2	4	4	2	3	4	4	2	3
4	2	1	2	0	4	5	3	1	2	2	7
Subtotal, 1-4	14	21	18	21	22	27	23	25	27	18	22
Total, 0-4	17	26	23	22	26	30	27	27	28	19	25
Under 1	4.4	9.5	9.2	1.4	5.7	4.4	5.6	2.8	1.3	1.3	3.5
1	9.7	17.8	15.2	17.4	11.5	20.5	10.3	21.0	22.1	12.0	7.8
2	3.2	8.1	6.1	7.2	8.6	8.8	15.7	10.9	6.9	6.7	8.0
3	6.8	6.5	3.2	6.1	5.7	2.9	4.3	6.5	2.8	2.7	3.9
4	3.4	1.6	3.3	-	5.6	7.3	4.3	1.7	1.7	3.1	9.1
Subtotal, 1-4	5.8	8.5	7.1	7.9	8.0	9.9	8.5	9.1	9.7	6.2	7.2
Total, 0-4	5.8	8.7	9.0	6.5	7.5	8.8	7.9	7.8	8.0	5.2	6.5

*Per 100,000 population in specified group. For infants under 1 year of age, the number of births is used as the denominator.

Note: Many rates shown in this table are based on a small population, a small number of events or both. Rates based on small numbers (10 or less) are not statistically reliable.

**TABLE 9-8
NUMBER OF ACCIDENTAL DROWNINGS AMONG CHILDREN 0-4 YEARS OLD BY COUNTY OF RESIDENCE
AND YEAR, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	17	26	23	22	26	30	26	25	28	19	25
Cochise	1	0	0	0	0	0	0	0	1	0	1
Coconino	0	1	0	0	1	1	0	0	0	1	0
Gila	0	0	0	0	0	0	0	0	1	0	0
Graham	0	1	0	0	0	1	0	0	0	0	0
Maricopa	14	18	14	17	17	16	18	23	19	13	18
Mohave	0	0	0	0	1	0	0	0	1	1	1
Navajo	0	0	2	0	0	1	3	0	1	0	0
Pima	1	5	3	4	6	4	1	1	4	2	3
Pinal	0	0	3	1	1	5	3	0	0	1	0
Yavapai	1	0	0	0	0	2	1	0	0	0	1
Yuma	0	1	1	0	0	0	0	0	0	1	1
Unknown	0	0	0	0	0	0	0	1	1	0	0

**TABLE 9-9
NUMBER OF ACCIDENTAL DROWNINGS AMONG CHILDREN 0-4 YEARS OLD BY MONTH AND YEAR,
ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	17	26	23	22	26	30	26	25	28	19	25
JAN	2	0	2	0	1	0	0	0	1	0	2
FEB	1	2	2	0	2	0	1	0	0	2	2
MARCH	1	1	0	0	0	4	0	3	1	2	2
APRIL	1	3	2	0	1	2	3	0	2	0	4
MAY	3	1	1	0	2	4	6	5	3	1	2
JUNE	1	6	1	6	2	5	6	4	4	7	2
JULY	2	2	3	7	3	5	3	3	6	3	5
AUG	0	3	2	4	3	4	2	3	5	3	3
SEPT	4	3	3	1	5	2	0	2	3	0	2
OCT	1	2	3	1	5	1	2	3	1	1	0
NOV	0	2	3	1	0	1	2	0	0	0	0
DEC	1	1	1	2	2	2	1	2	2	0	1

**TABLE 9-10
NUMBER OF ACCIDENTAL DROWNINGS BY RACE/ETHNICITY, GENDER AND YEAR AMONG
CHILDREN 0-4 YEARS OLD, ARIZONA, 1990-2000**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
TOTAL, ALL CAUSES	Total	17	26	23	22	26	30	26	25	19	25
	Male	13	17	12	13	11	21	13	14	11	14
	Female	4	9	11	9	15	9	13	11	10	11
WHITE NON-HISPANIC	Total	12	17	10	13	13	13	16	16	8	15
	Male	9	9	7	9	6	9	10	8	10	9
	Female	3	8	3	4	7	4	6	8	6	6
HISPANIC	Total	2	5	8	5	9	10	5	8	9	6
	Male	1	5	3	3	4	6	1	5	6	3
	Female	1	0	5	2	5	4	4	3	3	3
BLACK	Total	1	1	1	3	3	1	2	1	1	2
	Male	1	1	1	1	1	1	1	1	1	2
	Female	0	0	0	2	2	0	1	0	0	0
AMERICAN INDIAN	Total	1	2	4	0	1	6	3	0	1	2
	Male	1	2	1	0	0	5	1	0	0	0
	Female	0	0	3	0	1	1	2	0	1	2
ASIAN	Total	1	1	0	1	0	0	0	0	1	0
	Male	1	0	0	0	0	0	0	0	1	0
	Female	0	1	0	1	0	0	0	0	0	0

**TABLE 9-11
NUMBER OF ACCIDENTAL DROWNINGS BY PLACE AND RACE/ETHNICITY
AMONG CHILDREN 0-4 YEARS OLD, ARIZONA, 2000**

	Total	Bathtub	Swimming pool	Natural water (lake, river, etc.)
Total	25	3	13	9
White non-Hispanic	15	2	9	4
Hispanic	6	1	3	2
Black	2	0	1	1
American Indian	2	0	0	2

**TABLE 9-12
NUMBER OF ACCIDENTAL DROWNINGS BY PLACE AND COUNTY OF RESIDENCE AMONG
CHILDREN 0-4 YEARS OLD, ARIZONA, 2000**

	Total	Bathtub	Swimming pool	Natural water (lake, river, etc.)
Total	25	3	13	9
Cochise	1	1	0	0
Maricopa	18	1	12	5
Mohave	1	0	0	1
Pima	3	0	1	2
Yavapai	1	1	0	0
Yuma	1	0	0	1

CAUSE-OF-DEATH CATEGORIES FOR INJURY MORTALITY



Cause-of-Death Categories for Injury Mortality

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)
Accidents (unintentional injuries).....	V01-X59,Y85-Y86	E800-E869,E880-E929
Transport accidents.....	V01-V99,Y85	E800-E848,E929.0,E929.1
Motor vehicle accidents	V02-V04,V09.0,V09.2,V12-V14, V19.0-V19.2,V19.4-V19.6,V20-V79, V80.3-V80.5,V81.0-V81.1,V82.0-V82.1, V83-V86,V87.0-V87.8,V88.0-V88.8, V89.0,V89.2	E810-E825
Other land transport accidents	V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3,V19.8-V19.9, V80.0-V80.2,V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.8,V88.9,V89.1,V89.3, V89.9	E800-E807,E826-E829
Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85	E830-E848,E929.0,E929.1
Nontransport accidents.....	W00-X59,Y86	E850-E869,E880-E928,E929.2-E929.9
Falls.....	W00-W19	E880-E888
Accidental discharge of firearms	W32-W34	E922
Accidental drowning and submersion.....	W65-W74	E910
Accidental exposure to smoke, fire and flames	X00-X09	E890-E899
Accidental poisoning and exposure to noxious substance	X40-X49	E850-E869,E924.1
Other and unspecified nontransport accidents and their sequelae	W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86	E900-E909,E911-E921,E923-E924.0, E924.8-E928,E929.2-E929.9

Cause-of-Death Categories for Injury Mortality

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)
Intentional self-harm (suicide).....	X60-X84,Y87.0	E950-E959
Intentional self-harm (suicide) by discharge of firearms...	X72-X74	E955.0-E955.4
Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71,X75-X84,Y87.0	E950-E954,E955.5-E959
Assault (homicide)	X85-Y09,Y87.1	E960-E969
Assault (homicide) by discharge of firearms	X93-X95	E965.0-E965.4
Assault (homicide) by other and unspecified means and their sequelae	X85-X92,X96-Y09,Y87.1	E960-E964,E965.5-E969
Legal intervention	Y35,Y89.0	E970-E978
Events of undetermined intent.....	Y10-Y34,Y87.2,Y89.9	E980-E989
Discharge of firearms, undetermined intent.....	Y22-Y24	E985.0-E985.4
Other and unspecified events of undetermined intent and their sequelae.....	Y10-Y21,Y25-Y34,Y87.2,Y89.9	E980-E984,E985.5-E989
Firearm related deaths	W32-W34,X72-X74,X93-X95, Y22-Y24,Y35.0	E922,E955.0-E955.4,E965.0-E965.4, E970,E985.0-E985.4
Drug related deaths	F11.0-F11.5,F11.7-F11.9,F12.0-F12.5, F12.7-F12.9,F13.0-F13.5,F13.7-F13.9, F14.0-F14.5,F14.7-F14.9,F15.0-F15.5, F15.7-F15.9,F16.0-F16.5,F16.7-F16.9, F17.0,F17.3-F17.5,F17.7-F17.9, F18.0-F18.5,F18.7-F18.9,F19.0-F19.5, F19.7-F19.9,X40-X44,X60-X64,X85, Y10-Y14,Y40-Y59	292,304,305.2-305.9,E850-E858, E950.0-E950.5,E962.0,E980.0-E980.5, E930-E949

