

INJURY MORTALITY AMONG ARIZONA RESIDENTS



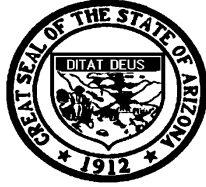
FIREARM-RELATED DEATHS

**ARIZONA,
1994-2004**

Public Health Services
Bureau of Public Health Statistics
Health Status and Vital Statistics Section



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INJURY MORTALITY AMONG ARIZONA RESIDENTS

FIREARM-RELATED DEATHS
ARIZONA, 1994-2004

BY

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January 2006

Acknowledgment

Grateful acknowledgement is made to Richard S. Porter for reviewing the typescript.

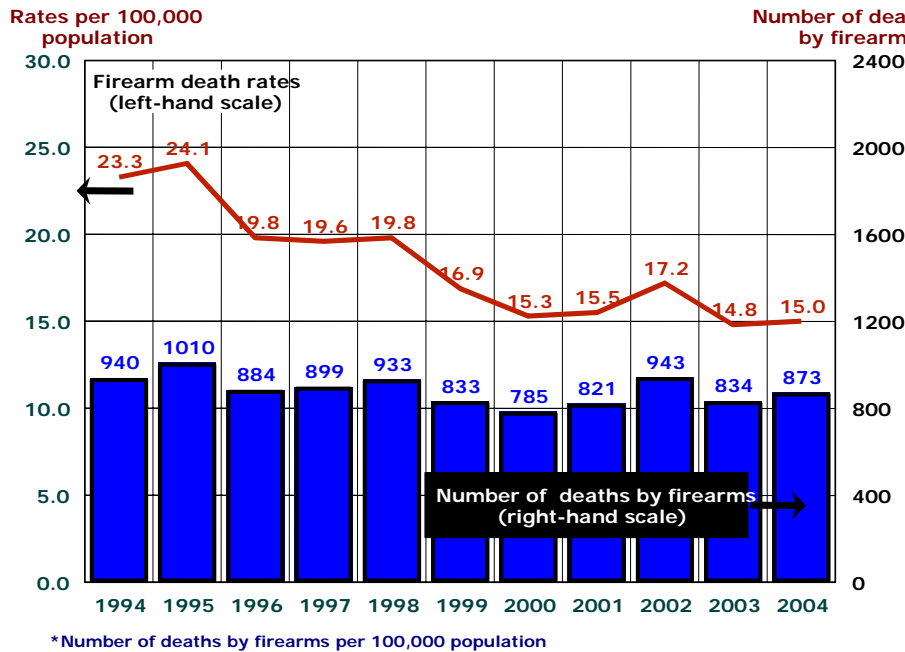
FIREARM-RELATED DEATHS, ARIZONA, 1994-2004

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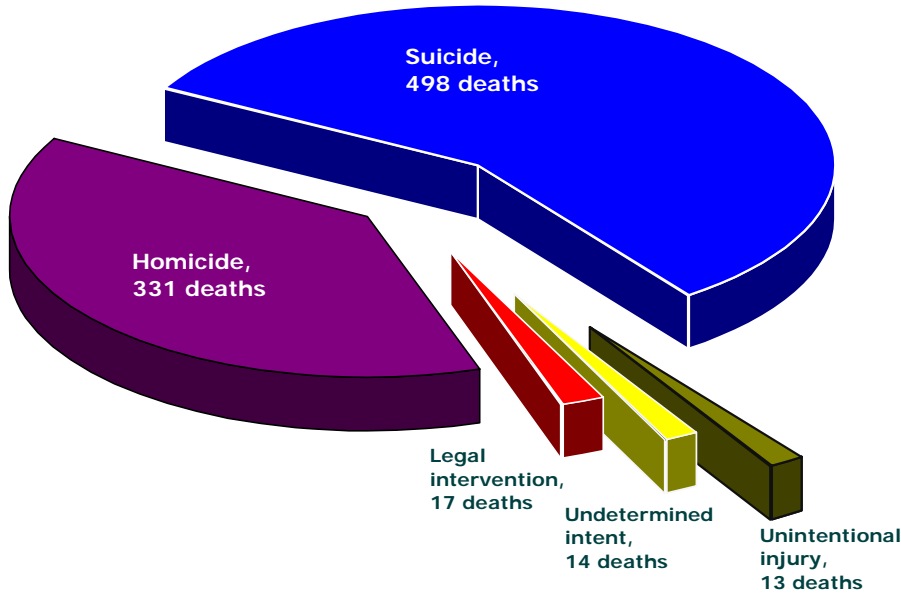
Figure 7-1
Trends in the Number of Deaths and Mortality Rates* for Injury by Firearms, Arizona, 1994-2004



Causes of death attributable to firearm mortality include accidental discharge of firearms (ICD-10 codes W32-W34), intentional self-harm (suicide) by discharge of firearms (X72-X74), assault (homicide) by discharge of firearms (X93-X95), discharge of firearms, undetermined intent (Y22-Y24); and legal intervention involving firearm discharge (Y35.0).

The number of firearm-related fatalities increased in Arizona by 4.7 percent, from 834 in 2003 to 873 in 2004 (Figure 7-1). The Arizona firearm-related mortality rate increased by 1.4 percent from 14.8 firearm-related deaths per 100,000 persons in 2003 to 15.0/100,000 in 2004. The latter was the second lowest firearm-related mortality rate in the eleven-year period from 1994 to 2004.

Figure 7-2
Number of Firearm-Related Deaths by Intent Among Arizona Residents, 2004



All but a small fraction of firearm-related fatalities are intentionally inflicted. Among 873 firearm (Figure 7-2) related deaths in 2004, 13 (or 1.5 percent) were classified as unintentionally inflicted firearm injuries, 498 (57.0 percent) as suicides, 331 (37.9 percent) as homicides, 17 (2.0 percent) were fatal injuries inflicted by the police or other law-enforcement agents, and 14 (1.6 percent) were undetermined whether the injury was accidentally or purposely inflicted.

Fifty-eight of every 100 suicides in Arizona and sixty-eight of every 100 murders (Table 7-3, Table 7-4) involved firearms in 2004.

FIREARM-RELATED DEATHS, ARIZONA, 1994-2004

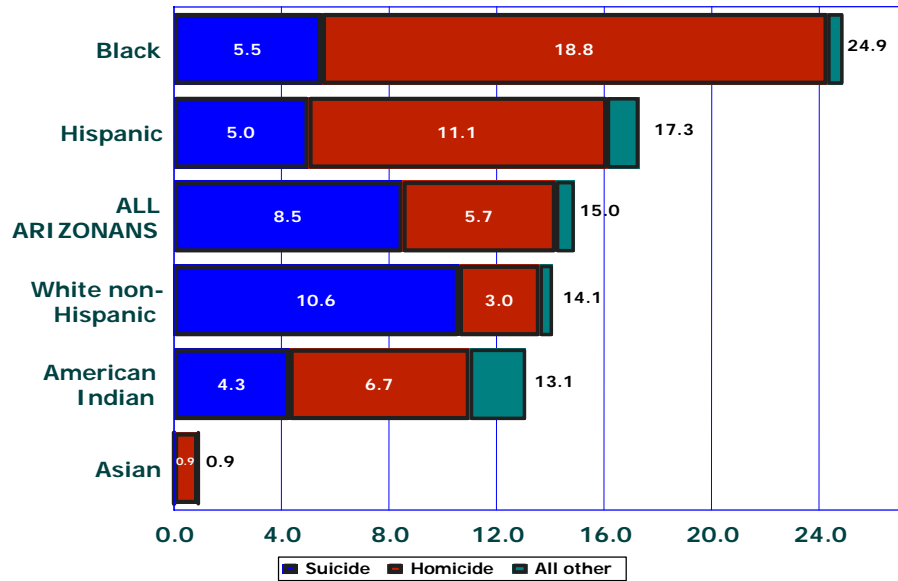
KEY FINDINGS

The total firearm-related death rate among Blacks or African Americans (24.9/100,000) was the highest rate among race/ethnic groups in Arizona for 2004 (Figure 7-3). Firearm homicide (18.8 deaths per 100,000) was the major component cause of all firearm injury deaths among Blacks.

In contrast, firearm suicide (10.6 deaths per 100,000) was the major component cause of all firearm injury deaths among White non-Hispanics in 2004.

The firearm injury death rate for Asians is based on a single death in 2004. This rate (0.9/100,000) is not statistically reliable.

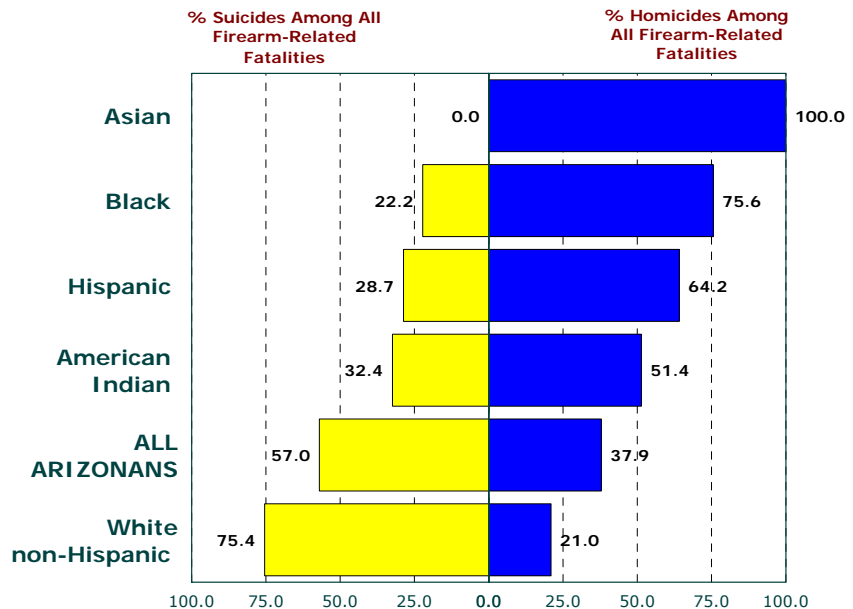
Figure 7-3
Firearm-Related Death Rates by Intent and Race/Ethnicity, Arizona, 2004



*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, 2004

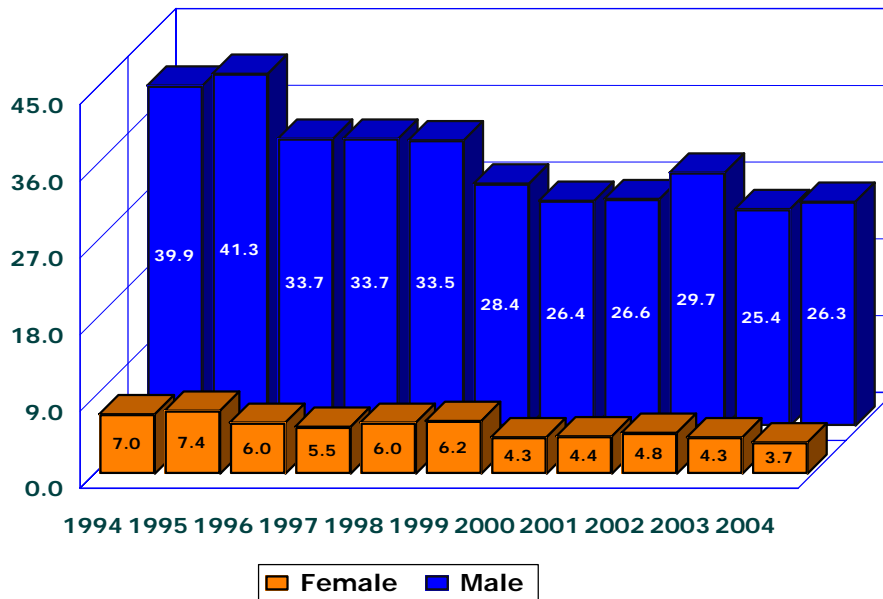
Among White non-Hispanics, firearm-related fatalities predominantly were a result of suicide (75.4 percent, Figure 7-4). In contrast, the majority of deaths from firearms were incurred in acts of homicide among Blacks (75.6 percent), Hispanics (64.2 percent) and Asians (100 percent). Among American Indians, firearm-related fatalities also were more likely to be incurred in acts of homicide (51.4 percent) than suicide (32.4 percent).



FIREARM-RELATED DEATHS, ARIZONA, 1994-2004

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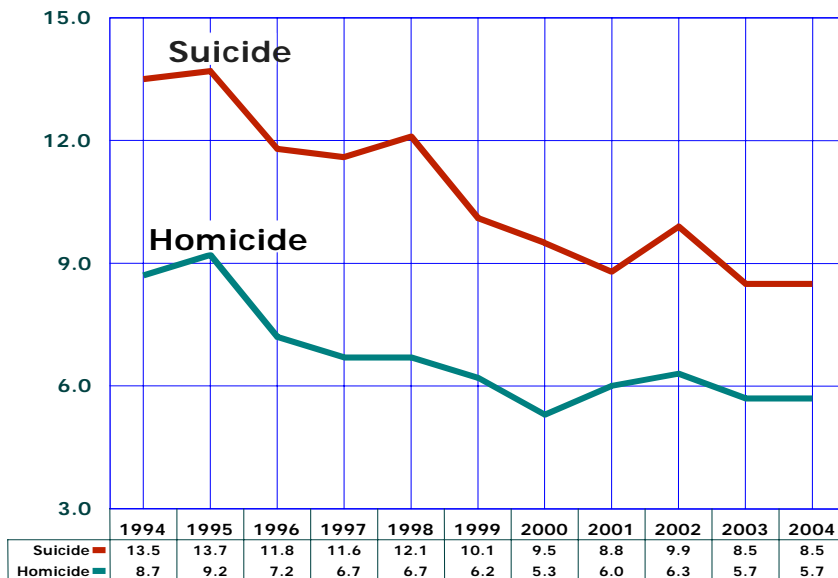
Figure 7-5
Rates* of Firearm-Related Fatalities by Gender and Year, Arizona, 1994-2004



Among males, the firearm mortality rate increased from 25.4 deaths per 100,000 in 2003 to 26.3/100,000 in 2004. In contrast, the female death rate for firearm injuries decreased from 4.3 deaths per 100,000 in 2003 to 3.7/100,000 in 2004. The 2004 mortality rate for firearm injuries among males (26.3/100,000) was 7.1 times greater than the rate of 3.7/100,000 among females (Figure 7-5).

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

Figure 7-6
Rates* of Firearm-Homicides and Firearm-Suicides by Year, Arizona, 1994-2004



Compared to 1994, the rates of both firearm-suicides and firearm-homicides were lower in 2004 (Figure 7-6). Annual firearm-related suicide death rates among Arizona residents were at least 47 percent higher than the firearm-related homicide death rates from 1994 to 2004.

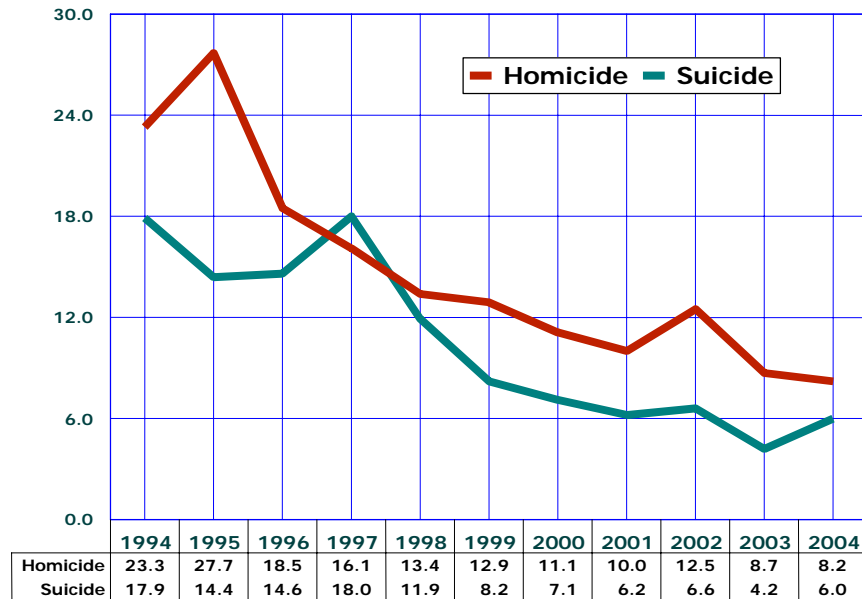
The death rates for both firearm suicide and firearm homicide in 2004 remained what they were in 2003.

*Number of firearm-homicides and firearm-suicides per 100,000 population. The 2001 firearm-suicide rate for Arizona is from the CDC/National Center of Injury Prevention and Control website at: http://webappa.cdc.gov/sasweb/ncipc/mortrate10_sy.html

FIREARM-RELATED DEATHS, ARIZONA, 1994-2004

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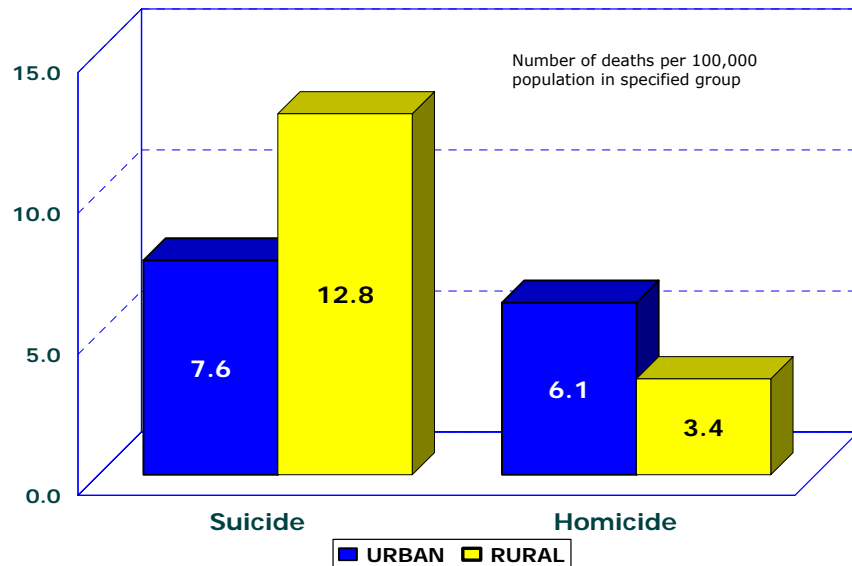
Figure 7-7
Firearm-Homicides and Firearm-Suicides Among Adolescents 15-19 Years Old, Arizona, 1994-2004



The firearm-homicide rate among teenagers 15-19 years old decreased by 70.4 percent from a high of 27.7 deaths per 100,000 in 1995 to 8.2 deaths per 100,000 in 2004 (Figure 7-7). The rate of firearm-suicides decreased by 76.7 percent from a recent peak of 18.0/100,000 in 1997 to 4.2/100,000 in 2003. However, the rate for firearm-suicides increased again by 42.9 percent to 6.0 firearm suicides per 100,000 adolescents 15-19 years old in 2004.

*Number of firearm-homicides and firearm-suicides per 100,000 adolescents 15-19 years old. The 2001 firearm-suicide rate for Arizona is from the CDC/ National Center of Injury Prevention and Control web site at http://webappa.cdc.gov/sasweb/ncipc/mortrate10_sy.html

Figure 7-8
Mortality Rates for Firearm-Suicides and Firearm-Homicides by Urban*/Rural Area, Arizona, 2004



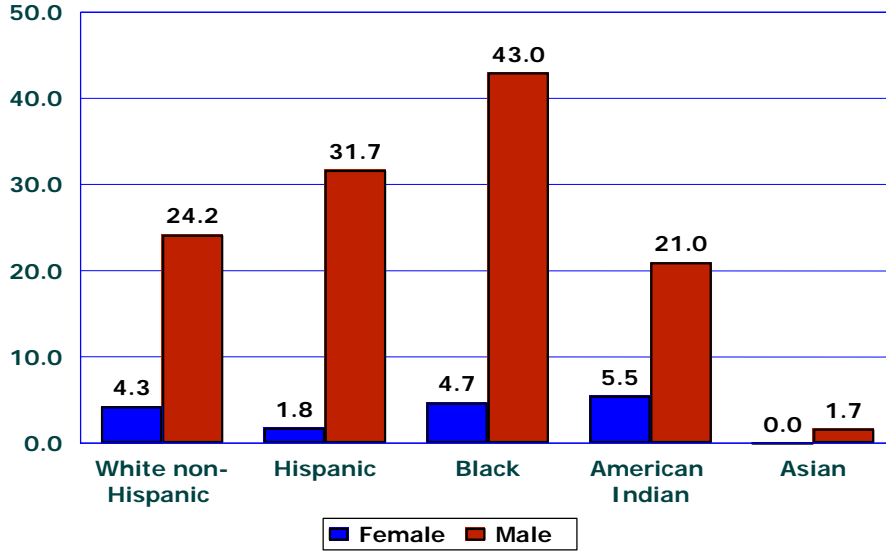
In 2004, firearm-suicides were 1.7 times more likely among rural compared to urban residents of Arizona. In contrast, urban residents were 1.8 times more likely to be fatally assaulted by firearms (Figure 7-8).

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

FIREARM-RELATED DEATHS, ARIZONA, 1994-2004

KEY FINDINGS

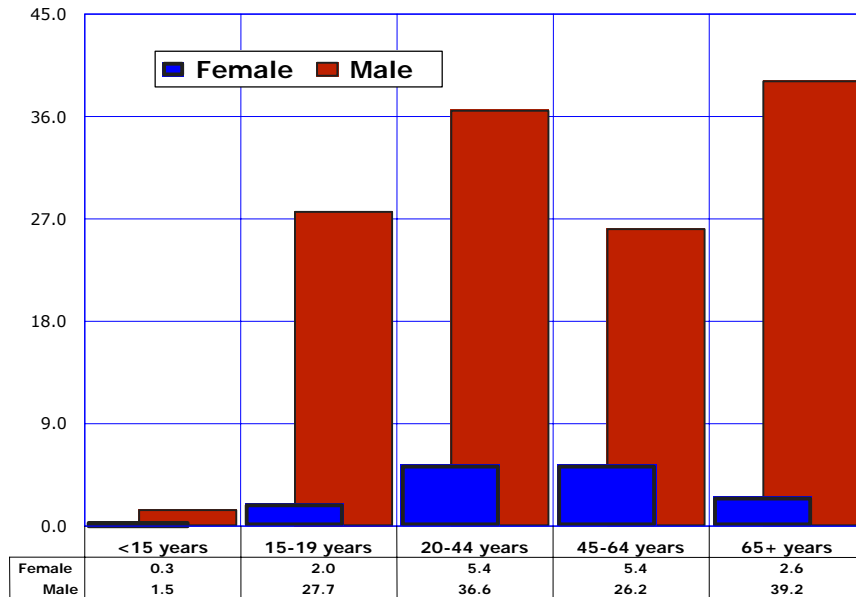
Figure 7-9
Firearm-Related Death Rates* by Gender and Race/Ethnicity, Arizona, 2004



Particularly high gender ratios in firearm mortality were evident in 2004 for Hispanics or Latinos (male rate of 31.7/100,000 was 17.6 times the rate of 1.8/100,000 for females, Figure 7-9).

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

Figure 7-10
Firearm-Related Death Rates* by Age Group and Gender, Arizona, 2004



Among males, the 2004 firearm mortality curve by age was bimodal (Figure 7-10), reaching the first peak at ages 20-44 (36.6/100,000), tapering off to 26.2/100,000 at ages 45-64, and rising to a second peak among the elderly 65 years and older (39.2 per 100,000). The female firearm death rates were highest for those 20-64 years old (5.4/100,000).

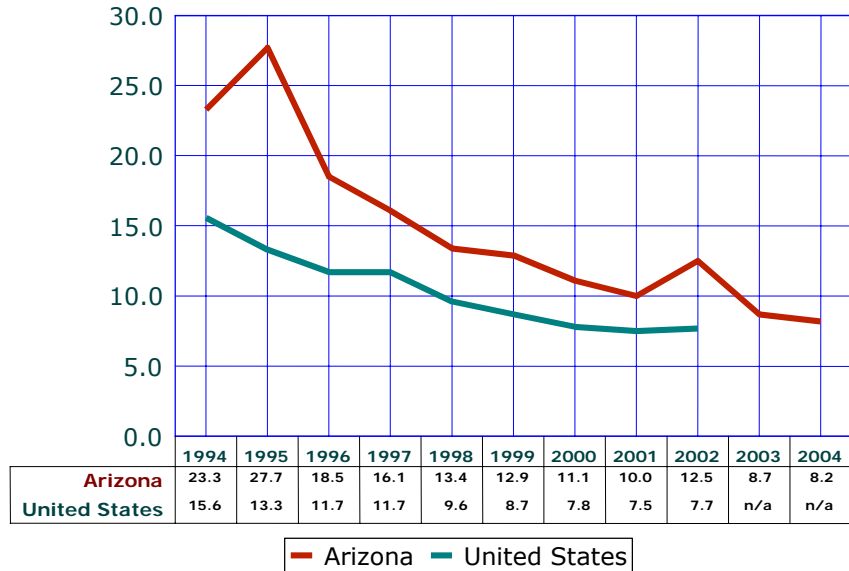
*Number of deaths per 100,000 population in specified group.

FIREARM-RELATED DEATHS, ARIZONA, 1994-2004

KEY FINDINGS

Figure 7-11
Firearm Related Death Rates Associated with Homicide
Among Adolescents 15-19 Years Old,
Arizona 1994-2004 and United States 1994-2002 *

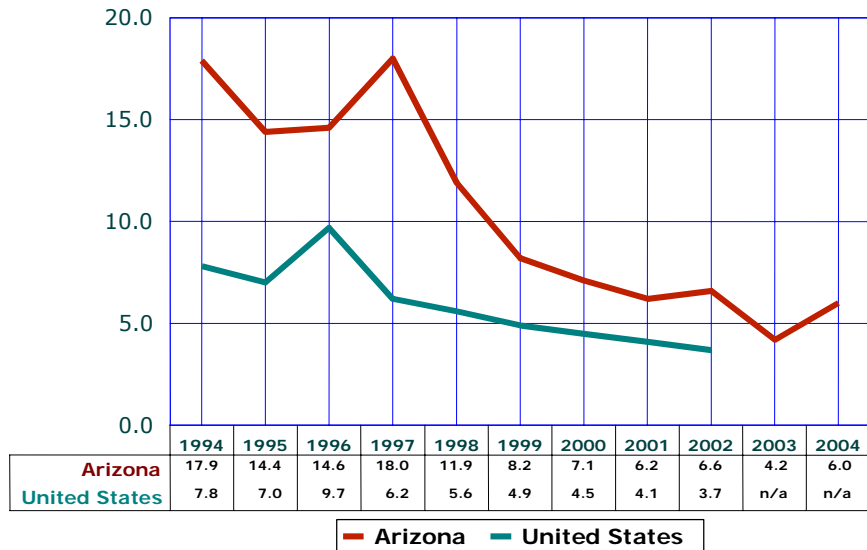
Relative to their peers nationally, Arizona adolescents 15-19 years old were more likely to be fatally assaulted by firearms in each year from 1994 to 2002 (**Figure 7-11**). In 1995, the firearm homicide rate for Arizona adolescents was 2.1 greater than the rate for their peers nationally. In 2004, the Arizona rate for adolescents 15-19 years old exceeded the latest U.S. rate by a mere 6 percent.



*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 1994-2004 and United States 1994-2002 *

Relative to their peers nationally, Arizona adolescents 15-19 years old were more likely to kill themselves using a firearm in each year from 1994 to 2002 (**Figure 7-12**). Nationally, the rate of firearm suicides among adolescents 15-19 years old dropped by 61.9 percent between 1996 and 2002. In Arizona, in spite of the increase between 2003 and 2004, the rate of 6 firearm suicides per 100,000 adolescents 15-19 years old was 66.7 percent lower than the peak rate of 18.0/100,000 recorded in 1997.

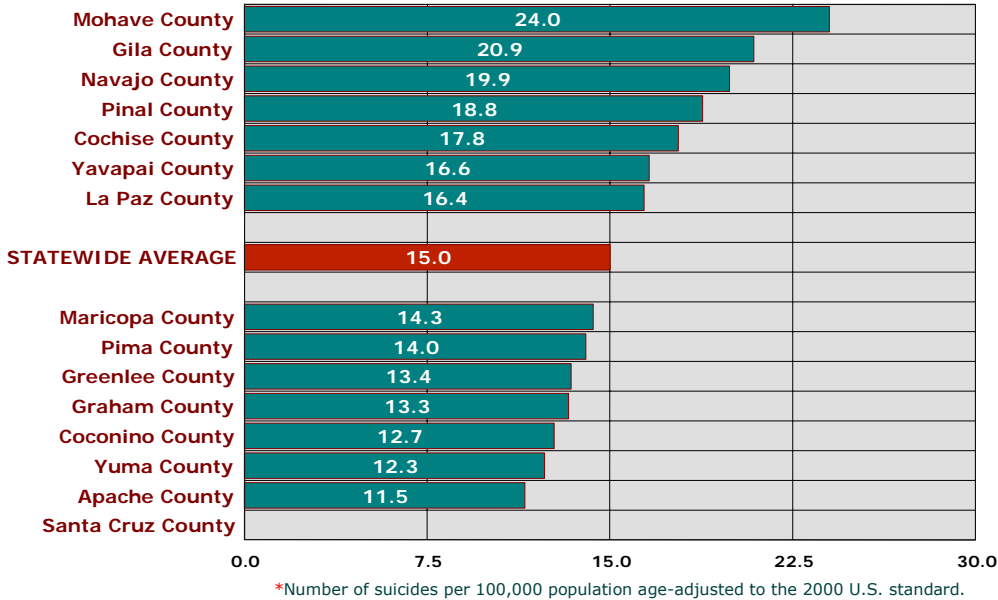


*The latest year for which the U.S. data are available. The 2001 firearm-suicide rate for Arizona is from the CDC/ National Center of Injury Prevention and Control web site at http://webappa.cdc.gov/sasweb/ncipc/mortrate10_sy.html

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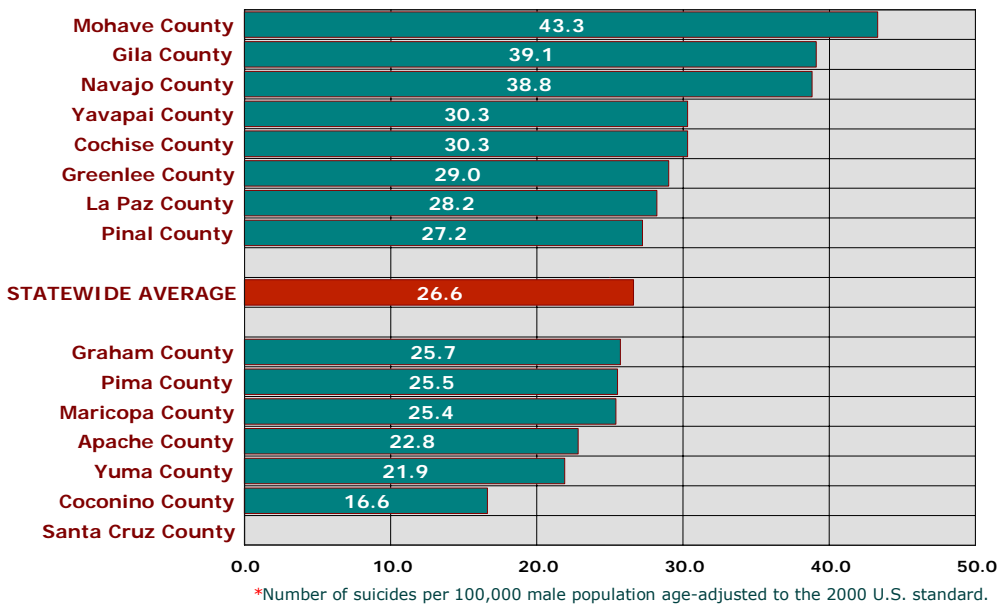
Figure 7-13
Age-Adjusted Mortality Rates for Injury by Firearms by County of Residence in Arizona, 2004



Note: There were no firearm-related deaths in Santa Cruz County. The rates for Apache, Graham, Greenlee and La Paz counties are based on fewer than 10 deaths. These rates are not statistically reliable.

The age-adjusted death rates for injury by firearms varied in Arizona in 2004 from 11.5 deaths per 100,000 residents of Apache County, to 24 deaths per 100,000 residents of Mohave County (Figure 7-13). There were no firearm-related deaths in Santa Cruz County.

Figure 7-14
Age-Adjusted Mortality Rates for Injury by Firearms Among Males by County of Residence in Arizona, 2004



Note: There were no firearm-related male deaths in Santa Cruz County. The rates for Apache, Graham, Greenlee and La P counties are based on fewer than 10 deaths. These rates are not statistically reliable.

Males accounted for 766 of the 873 total deaths from injury by firearms. As for both genders, the highest age-adjusted male mortality rates for firearm injuries were those of residents of Mohave, Gila and Navajo counties (Figure 7-14).

In 2004, there were no female deaths from injury by firearms in Apache, Graham, Greenlee, and Santa Cruz counties. The only statistically reliable age-adjusted female mortality rates for injury by firearms were those for Maricopa (3.3 deaths per 100,000 female population) and Pima (3.4/100,000) counties.

**TABLE 7-1
DEATH RATES^a BY AGE GROUP AND YEAR FOR INJURY BY FIREARMS, ARIZONA RESIDENTS, 1994-2004**

Age Group	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Under 5^b	1.2	0.9	0.6	0.0	0.9	0.3	0.0	0.3	0.7	0.5	0.2
5-14	2.5	4.1	2.4	2.2	2.7	1.1	1.0	1.9	1.3	0.7	1.3
15-19	43.9	45.3	36.7	37.3	26.2	22.6	19.6	16.8	21.9	14.1	15.4
20-44	34.0	35.4	28.7	29.0	29.5	23.7	20.9	22.6	24.4	21.6	21.5
45-64	20.7	19.5	17.8	16.4	18.7	18.2	15.8	15.4	17.6	16.4	15.6
65 or over	22.7	23.9	19.3	19.1	20.4	19.9	21.4	19.0	21.1	16.8	18.9
Total, all ages	23.3	24.1	19.8	19.6	19.8	16.9	15.3	15.5	17.2	14.8	15.0

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

^b0-4 years old.

TABLE 7-2
RATES* OF FIREARM-RELATED DEATHS BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 1994-2004

County	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Apache	6.1	12.5	27.9	26.0	15.1	10.5	8.6	2.9	21.4	12.7	11.2
Cochise	34.6	22.8	10.5	15.4	21.1	15.3	17.8	16.8	16.1	12.7	18.4
Coconino	17.9	21.0	19.4	12.1	19.3	16.3	12.9	9.3	9.6	10.9	13.1
Gila	25.9	38.4	26.5	21.6	23.4	21.9	19.5	10.2	22.6	14.9	22.2
Graham	17.5	22.3	6.4	12.4	15.0	25.2	3.0	9.0	20.5	5.8	13.9
Greenlee	23.4	35.3	23.1	22.9	22.5	21.7	11.7	36.1	0.0	11.6	12.0
La Paz	32.7	24.2	38.5	31.9	5.2	10.4	15.2	10.1	24.6	0.0	28.4
Maricopa	22.0	24.6	18.8	18.4	18.6	16.3	13.8	16.4	16.9	15.1	14.4
Mohave	31.0	28.5	20.4	18.8	22.5	26.6	33.5	26.0	24.0	22.2	24.4
Navajo	19.3	19.3	17.8	23.4	18.5	9.6	16.4	21.0	13.8	16.4	17.7
Pima	19.5	20.4	18.2	18.8	19.6	17.3	19.0	13.7	17.9	14.8	14.4
Pinal	27.6	23.5	28.5	19.5	26.1	13.3	11.1	14.3	17.2	15.9	18.3
Santa Cruz	18.4	12.1	8.9	13.9	10.9	10.2	7.8	12.6	0.0	9.8	0.0
Yavapai	29.9	28.2	20.7	25.1	25.0	26.3	24.5	17.1	28.3	17.1	17.8
Yuma	21.2	16.3	10.4	14.0	13.7	12.2	8.1	4.3	9.4	6.3	12.1
ARIZONA	23.3	24.1	19.8	19.6	19.8	16.9	15.3	15.5	17.2	14.8	15.0

*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 RESIDENTS, 1994-2004**

Age Group	Cause	1994	1995	1996	1997	1998	1999	2000	* 2001	2002	2003	2004
5-14	All Suicides	9	11	7	7	12	7	6	9	12	8	2
	# by Firearms	4	7	4	3	5	4	1	1	3	4	0
15-19	All Suicides	62	52	56	75	50	36	41	40	39	39	49
	# by Firearms	47	40	45	57	39	28	26	20	26	17	25
20-44	All Suicides	439	454	392	413	425	350	339	257	383	395	386
	# by Firearms	284	277	255	258	256	198	205	141	222	202	202
45-64	All Suicides	165	170	161	160	201	219	194	181	256	219	263
	# by Firearms	109	114	110	105	141	141	127	104	153	141	145
65 and Over	All Suicides	141	170	144	154	156	160	157	113	165	145	154
	# by Firearms	100	132	111	113	128	123	127	92	140	112	126
All Ages**	Total Suicides	816	858	762	810	845	773	737	767	855	807	854
	# by Firearms	544	571	527	537	569	495	486	468	544	476	498
	% by Firearms	66.7	66.6	69.2	65.1	67.3	64.0	65.9	61.0	63.6	57.1	58.3

*Caution must be exercised when interpreting the 2001 data. See note below.

**Includes records with unknown or unspecified age.

Note: Before data for 2000, mortality medical information was based on manual coding of an underlying death for each certificate in accordance with WHO rules, and done locally by the Office of Vital Records. Effective with the 2000 data year, cause-of-death data presented in this publication were coded by the National Center for Health Statistics, using computerized procedures of SuperMICAR (Mortality Medical Indexing and Retrieval) and ACME (Automated Classification of Medical Entities) systems. The conversion to computerized coding contributed to at least some of the breaks in comparability over time of cause-of-death statistics for drug-induced deaths, intentional self-harm (suicide), firearm-suicide, and accidental discharge of firearms.

Data year	1999	2000	2001		2002	2003	2004
			unmodified	modified			
Suicide	773	737	600	767	855	807	854
Suicide by firearms	495	486	358	468	544	476	498
Accidental discharge of firearms	7	11	114	6	26	13	13

Unprecedented decline in 2001 in the number of suicides and the equally unprecedented increase in the number of firearm deaths classified as accidental obviously are associated. Approximately 100 firearm fatalities, that would have been classified as suicides had the manual coding system been in place, were classified as accidents in 2001 because the "manner of death" was not indicated and the automated coding system defaulted to accidental injury. Table 3-1 provides two data columns for 2001: unmodified and modified for the misclassification of the underlying cause of death. The majority of firearm suicides misclassified as accidents were White non-Hispanic males. The numbers and rates used in the "modified" column for 2001 are from the WISQARS site at http://webappa.cdc.gov/sasweb/ncipc/mortrate10_sy.html.

**TABLE 7-4
NUMBER OF HOMICIDES BY FIREARMS AND TOTAL HOMICIDES BY AGE GROUP AND YEAR,
ARIZONA RESIDENTS, 1994-2004**

Age Group	Cause	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Under 5	All Homicides	22	19	12	9	13	12	9	11	14	20	12
	# By Firearms	2	3	1	0	1	1	0	1	2	2	1
5-14	All Homicides	7	15	18	10	16	5	6	18	7	1	11
	# by Firearms	4	11	10	8	10	4	5	10	6	1	8
15-19	All Homicides	73	93	75	60	55	55	53	49	58	48	45
	# by Firearms	61	77	57	51	44	44	41	38	49	35	34
20-44	All Homicides	299	334	290	305	313	293	234	317	302	294	309
	# by Firearms	224	241	205	212	229	204	173	233	240	224	230
45-64	All Homicides	54	62	62	62	54	68	65	56	79	87	76
	# by Firearms	36	38	38	33	26	38	38	28	41	44	40
65 and Older	All Homicides	27	19	17	21	13	22	26	14	12	16	27
	# by Firearms	19	8	8	6	6	12	13	6	4	5	14
All ages ^a	Total Homicides	486	548	476	468	468	457	394	467	478	480	486
	# by Firearms	349	383	320	310	318	303	271	318	346	319	331
	% by Firearms	71.8	69.9	67.2	66.2	67.9	66.3	68.6	68.1	72.4	66.4	68.1

^aMay 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 RESIDENTS, 1994-2004**

Age Group	Cause	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Under 5	All Unintentional Injury Deaths	98	88	87	80	83	75	68	85	67	63	53
	# Firearm-related	2	0	0	0	1	0	0	0	1	0	0
5-14	All Unintentional Injury Deaths	61	87	76	83	56	50	63	69	51	67	64
	# Firearm-related	3	6	2	4	2	0	1	3	2	0	2
15-19	All Unintentional Injury Deaths	115	147	142	114	131	122	132	143	144	140	169
	# Firearm-related	2	4	4	2	2	0	1	NA	5	3	3
20-44	All Unintentional Injury Deaths	811	877	899	875	908	858	706	932	850	896	830
	# Firearm-related	10	18	6	6	10	7	5	NA	9	4	7
45-64	All Unintentional Injury Deaths	327	319	348	380	412	469	457	491	548	540	636
	# Firearm-related	4	0	0	4	1	0	2	NA	3	2	0
65 or older	All Unintentional Injury Deaths	464	451	523	560	577	603	652	696	752	750	854
	# Firearm-related	1	0	0	1	0	0	2	NA	6	4	1
All Ages ^a	Total Unintentional Injury Deaths	1,879	1,973	2,092	2,106	2,182	2,192	2,087	2,430	2,416	2,466	2,641
	# Firearm-related	22	28	12	17	16	7	11	6	26	13	13
	% Firearm-related	1.2	1.4	0.6	0.8	0.9	0.3	0.5	0.2	1.1	0.5	0.5

^aMay include records with unknown or unspecified age.
See footnote to Table 7-3.

TABLE 7-6
FIREARM-RELATED DEATH RATES^a ASSOCIATED WITH HOMICIDE, SUICIDE AND UNINTENTIONAL INJURY
AMONG ADOLESCENTS 15-19 YEARS OLD,
ARIZONA RESIDENTS, 1994-2004 AND UNITED STATES, 1994-2002^b

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
HOMICIDE, total	27.9	33.4	24.4	19.0	16.8	16.2	14.4	12.9	14.8	11.9	10.8
By firearms	23.3	27.7	18.5	16.1	13.4	12.9	11.1	10.0	12.5	8.7	8.2
By all other means	4.6	5.7	5.9	2.9	3.4	3.3	3.3	2.9	2.3	3.2	2.6
SUICIDE, total	23.7	18.7	18.2	23.7	15.2	10.6	11.1	10.5	9.9	9.7	11.8
By firearms	17.9	14.4	14.6	18.0	11.9	8.2	7.1	5.3	6.6	4.2	6.0
By all other means	5.8	4.3	3.6	5.7	3.3	2.4	4.0	5.2	3.3	5.5	5.8
UNINTENTIONAL INJURY, total	43.9	52.8	46.1	35.7	39.9	35.8	35.9	37.6	36.7	34.7	40.5
By firearms	0.8	1.4	1.3	0.6	0.6	0.0	0.3	1.6	1.3	0.7	0.7
By all other means	43.1	51.4	44.8	35.1	39.3	35.8	35.6	36.0	35.4	30.8	39.8
<hr/>											
HOMICIDE, total	20.1	18.1	15.5	13.6	11.7	10.6	9.6	9.4	9.3	N/A	N/A
By firearms	17.9	15.6	13.3	11.7	9.6	8.7	7.8	7.5	7.7	N/A	N/A
By all other means	2.2	2.5	2.2	1.9	2.1	1.9	1.8	1.9	1.6	N/A	N/A
SUICIDE, total	11.1	10.5	9.7	9.5	8.9	8.2	8.2	8.0	7.4	N/A	N/A
By firearms	7.8	7.0	6.2	6.0	5.6	4.9	4.5	4.1	3.7	N/A	N/A
By all other means	3.3	3.5	3.5	3.5	3.3	3.3	3.7	3.9	3.8	N/A	N/A

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

^bNational Center for Injury Prevention and Control CDC. June 1996; Data for 1994-1997 are from the National Center for Injury Prevention and Control web site at <http://www.cdc.gov/ncipc/wisgars/>. 2002 is the latest year for which the U.S. data are available.

TABLE 7-7
 NUMBER OF FIREARM-RELATED FATALITIES BY AGE GROUP, INTENT* AND YEAR, ARIZONA RESIDENTS, 1994-2004

	1994	1995	1996	1997	1998	1999	2000	*2001	2002	2003	2004
<5											
Accident	2	0	0	0	1	0	0	0	1	0	0
Homicide	2	3	1	2	1	1	0	1	2	2	1
Undetermined	0	0	1	0	0	0	0	0	0	0	0
Total	4	3	2	2	3	1	0	1	3	2	1
5-14											
Accident	3	6	2	4	2	0	1	3	2	0	2
Suicide	4	7	4	3	5	4	1	1	3	4	0
Homicide	4	11	10	6	10	4	5	10	6	1	8
Undetermined	4	1	0	0	1	0	1	1	0	1	1
Legal intervention	0	0	0	0	0	0	0	0	0	0	0
Total	15	25	16	13	19	8	8	15	11	6	11
15-19											
Accident	2	4	4	2	2	0	1	6	5	3	3
Suicide	47	40	45	57	39	28	26	20	26	17	25
Homicide	61	77	57	51	44	44	41	38	49	35	34
Undetermined	4	1	4	4	1	1	3	0	5	1	1
Legal intervention	1	4	3	4	0	4	1	0	1	1	1
Total	115	126	113	118	86	77	72	64	86	57	64
20-44											
Accident	10	18	6	6	10	7	5	42	9	4	7
Suicide	284	277	255	258	256	198	205	141	222	202	202
Homicide	224	241	205	212	229	204	173	233	240	224	230
Undetermined	6	9	3	7	6	5	2	11	6	7	7
Legal intervention	7	10	11	14	12	15	6	11	11	11	8
Total	531	555	480	497	513	429	391	438	488	445	460
45-64											
Accident	4	0	0	4	1	0	2	33	3	2	0
Suicide	109	114	110	105	141	141	127	104	153	141	145
Homicide	36	38	38	33	26	38	38	28	41	44	40
Undetermined	2	0	1	1	3	0	2	4	2	3	4
Legal intervention	1	3	2	3	4	1	0	1	2	3	1
Total	152	155	151	146	175	180	169	170	201	193	190
65+											
Accident	1	0	0	1	0	0	2	30	6	4	1
Suicide	100	132	111	113	128	123	127	92	140	112	126
Homicide	19	8	8	6	6	12	13	6	4	5	14
Undetermined	0	0	0	2	1	1	1	2	0	2	1
Legal intervention	0	0	0	0	0	1	0	1	0	0	1
Total	120	140	119	122	135	137	143	131	150	123	143
Unknown											
Suicide	0	1	2	1	0	1	0	0	0	0	0
Homicide	3	5	1	0	2	0	1	2	4	8	4
Undetermined	0	0	0	0	0	0	1	0	0	0	0
Total	3	6	3	1	2	1	2	2	4	8	4
TOTAL											
Accident	22	28	12	17	16	7	11	114	26	13	13
Suicide	544	571	527	537	569	495	486	358	544	476	498
Homicide	349	383	320	310	318	303	271	318	346	319	331
Undetermined	16	11	9	14	13	7	10	18	13	14	14
Legal intervention	9	17	16	21	17	21	7	13	14	12	17
Total	940	1,010	884	899	933	833	785	821	943	834	873

*Caution must be exercised when interpreting the 2001 data. See footnote to Table 7-5

**TABLE 7-8
NUMBER OF FIREARM-RELATED FATALITIES BY RACE/ETHNICITY AND YEAR, ARIZONA RESIDENTS, 1994-2004**

Race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
White non-Hispanic	590	647	545	552	606	492	489	500	601	491	533
Hispanic or Latino	215	251	238	235	221	240	207	235	256	245	254
Black or African American	75	63	46	60	55	51	43	43	37	48	45
American Indian or Alaska Native	52	40	51	45	45	35	31	33	42	43	37
Asian or Pacific Islander	7	5	2	7	5	7	11	7	5	3	1
Other/Unknown	1	4	2	0	1	8	4	3	2	4	3
Total	940	1,010	884	899	933	833	785	821	943	834	873

**TABLE 7-9
NUMBER OF FIREARM-RELATED FATALITIES BY RACE/ETHNICITY, GENDER AND YEAR,
ARIZONA RESIDENTS, 1994-2004**

Race/ethnicity	Gender	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
White non-Hispanic	Male	491	539	445	451	505	408	414	418	503	408	451
	Female	99	108	100	101	101	84	75	82	98	83	82
	Total	590	647	545	552	606	492	489	500	601	491	533
Hispanic or Latino	Male	189	219	222	220	196	209	187	210	233	216	241
	Female	26	32	16	15	25	31	20	25	23	29	13
	Total	215	251	238	235	221	240	207	235	256	245	254
Black or African American	Male	66	56	39	56	47	42	37	37	37	45	41
	Female	9	7	7	4	8	9	6	6	0	3	4
	Total	75	63	46	60	55	51	43	43	37	48	45
American Indian or Alaska Native	Male	43	33	40	40	37	28	27	31	33	40	29
	Female	9	7	11	5	8	7	4	2	9	3	8
	Total	52	40	51	45	45	35	31	33	42	43	37
Asian or Pacific Islander	Male	6	3	2	6	4	5	7	6	4	1	1
	Female	1	2	0	1	1	2	4	1	1	2	0
	Total	7	5	2	7	5	7	11	7	5	3	1
Other/Unknown	Male	1	4	2	0	1	7	3	3	2	4	3
	Female	0	0	0	0	0	1	1	0	0	0	0
	Total	1	4	2	0	1	8	4	3	2	4	3
TOTAL	Male	796	854	750	773	790	699	675	705	812	714	766
	Female	144	156	134	126	143	134	110	116	131	120	107
	Total	940	1,010	884	899	933	833	785	821	943	834	873

**TABLE 7-10
NUMBER OF FIREARM-RELATED FATALITIES BY GENDER, INTENT AND YEAR, ARIZONA RESIDENTS, 1994-2004**

	1994	1995	1996	1997	1998	1999	2000	*2001	2002	2003	2004
Male											
Accident	21	27	12	14	14	7	9	98	23	8	12
Suicide	467	480	450	463	490	430	432	311	466	414	437
Homicide	285	321	263	268	259	234	218	268	298	267	288
Undetermined	14	9	9	10	11	7	9	16	12	13	12
Legal intervention	9	17	16	18	16	21	7	12	13	12	17
Total	796	854	750	773	790	699	675	705	812	714	766
Female											
Accident	1	1	0	3	2	0	2	16	3	5	1
Suicide	77	91	77	74	79	65	54	47	78	62	61
Homicide	64	62	57	42	59	69	53	50	48	52	43
Undetermined	2	2	0	4	2	0	1	2	1	1	2
Legal intervention	0	0	0	3	1	0	0	1	1	0	0
Total	144	156	134	126	143	134	110	116	131	120	107
TOTAL											
Accident	22	28	12	17	16	7	11	114	26	13	13
Suicide	544	571	527	537	569	495	486	358	544	476	498
Homicide	349	383	320	310	318	303	271	318	346	319	331
Undetermined	16	11	9	14	13	7	10	18	13	14	14
Legal intervention	9	17	16	21	17	21	7	13	14	12	17
Total	940	1,010	884	899	933	833	785	821	943	834	873

*Caution must be exercised when interpreting the 2001 data. See footnote to Table 7-5.

**TABLE 7-11
NUMBER OF DEATHS BY FIREARMS BY COUNTY OF RESIDENCE AND YEAR, ARIZONA RESIDENTS, 1994-2004**

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Apache	4	8	18	17	10	7	6	2	15	9	8
Cochise	36	25	12	18	25	19	21	20	20	16	24
Coconino	19	23	22	14	23	20	15	11	12	14	17
Gila	11	17	12	10	11	11	10	6	12	8	12
Graham	5	7	2	4	5	9	1	3	7	2	5
Greenlee	2	3	2	2	2	2	1	3	0	1	1
Maricopa	515	597	496	501	521	474	423	524	558	513	506
Mohave	35	36	26	25	31	38	52	42	40	38	44
Navajo	16	16	15	20	16	9	16	21	14	17	19
Pima	143	152	142	150	160	146	160	118	159	135	134
Pinal	35	32	41	29	40	22	20	27	33	32	40
Santa Cruz	6	4	3	5	4	4	3	5	0	4	0
Yavapai	36	36	28	35	36	41	41	30	51	32	35
Yuma	25	20	13	18	18	17	13	7	16	11	22
La Paz	5	4	7	6	1	2	3	2	5	0	6
Unknown	47	30	45	45	30	12	0	0	1	2	0
Total	940	1,010	884	899	933	833	785	821	943	834	873

TABLE 7-12
 NUMBER OF FIREARM-RELATED DEATHS BY 5-YEAR AGE GROUPS AND YEAR, ARIZONA RESIDENTS, 1994-2004

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<1	1	1	0	0	1	0	0	0	0	0	0
1-4	3	2	2	2	2	1	0	1	3	2	1
5-9	1	3	6	4	3	1	5	5	3	1	2
10-14	14	22	10	9	16	7	3	10	8	5	9
15-19	115	126	113	118	86	77	72	64	86	57	64
20-24	153	124	113	117	143	96	110	120	139	131	132
25-29	111	122	98	124	105	108	74	97	104	81	106
30-34	103	110	92	83	93	81	72	81	87	83	65
35-39	90	105	93	84	86	78	62	77	81	72	81
40-44	74	94	84	89	86	66	73	63	77	78	76
45-49	58	61	57	63	73	58	60	67	66	57	59
50-54	35	43	44	42	44	44	47	48	60	61	55
55-59	26	31	32	22	34	44	44	30	42	41	54
60-64	33	20	18	19	24	34	18	25	33	34	22
65-69	24	33	24	23	22	21	32	20	35	25	31
70-74	35	32	26	33	30	26	38	34	29	25	30
75-79	31	32	30	32	42	41	28	33	36	24	36
80-84	13	30	16	23	22	35	23	27	27	26	27
85-89	8	9	17	10	15	12	18	9	19	17	17
90-94	7	3	6	1	4	0	4	7	4	5	2
95-99	2	0	0	0	0	2	0	1	0	1	0
100+	0	1	0	0	0	0	0	0	0	0	0
Unknown	3	6	3	1	2	1	2	2	4	8	4
Total	940	1,010	884	899	933	833	785	821	943	834	873

**TABLE 7-13
NUMBER OF DEATHS BY FIREARMS BY INTENT, AGE GROUP AND RATES* OF FIREARM-RELATED FATALITIES IN
URBAN AND RURAL AREAS, ARIZONA RESIDENTS, 2004**

	Accident	Suicide	Homicide	Undetermined	Legal intervention	Total	Rate
Urban	<5	0	0	1	0	1	0.3
	5-14	1	0	8	1	10	1.4
	15-19	2	22	28	1	54	15.7
	20-44	4	160	213	5	393	21.4
	45-64	0	99	33	2	135	13.7
	65+	0	92	12	1	106	17.5
	Unknown	0	0	3	0	3	NA
	Total	7	373	298	10	702	14.4
	Rate	0.1	7.6	6.1	0.2	0.3	14.4
		0	0	0	0	0	0.0
Rural	<5	1	0	0	0	1	0.7
	15-19	1	3	6	0	10	13.5
	20-44	3	42	17	2	67	22.2
	45-64	0	46	7	2	55	23.7
	65+	1	34	2	0	37	24.7
	Unknown	0	0	1	0	1	NA
	Total	6	125	33	4	171	17.5
	Rate	0.6	12.8	3.4	0.4	0.3	17.5
		0	0	1	0	0	0.2
	Total	<5	2	0	8	1	11
15-19		3	25	34	1	64	15.4
20-44		7	202	230	7	460	21.5
45-64		0	145	40	4	190	15.6
65+		1	126	14	1	143	18.9
Unknown		0	0	4	0	4	NA
Total		13	498	331	14	873	15.0
Rate		0.2	8.5	5.7	0.2	0.3	15.0

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

**TABLE 7-14
NUMBER OF FIREARM-RELATED FATALITIES BY INTENT, RACE/ETHNICITY AND
AGE GROUP, ARIZONA RESIDENTS, 2004**

		Accident	Suicide	Homicide	Undetermined	Legal intervention	Total
White non-Hispanic	<5	0	0	1	0	0	1
	5-14	0	0	1	0	0	1
	15-19	2	15	5	1	0	23
	20-44	3	143	66	4	4	220
	45-64	0	126	24	1	1	152
	65+	1	118	12	1	1	133
	Unknown	0	0	3	0	0	3
	Total	6	402	112	7	6	533
	Rate*	0.2	10.6	3.0	0.2	0.2	14.1
Hispanic or Latino	5-14	1	0	5	1	0	7
	15-19	0	6	20	0	1	27
	20-44	2	46	130	2	8	188
	45-64	0	14	8	3	0	25
	65+	0	7	0	0	0	7
	Unknown	0	0	0	0	0	0
	Total	3	73	163	6	9	254
		Rate*	0.2	5.0	11.1	0.4	0.6
Black or African American	5-14	0	0	1	0	0	1
	15-19	1	1	4	0	0	6
	20-44	0	6	23	0	0	29
	45-64	0	3	6	0	0	9
	Total	1	10	34	0	0	45
		Rate*	0.6	5.5	18.8	0.0	0.0
American Indian or Alaska Native	5-14	1	0	1	0	0	2
	15-19	0	3	5	0	0	8
	20-44	2	7	11	1	2	23
	45-64	0	1	2	0	0	3
	65+	0	1	0	0	0	1
	Total	3	12	19	1	2	37
		Rate*	1.1	4.3	6.7	0.4	0.7
Asian or Pacific Islander	15-19	0	0	0	0	0	0
	20-44	0	0	0	0	0	0
	45-64	0	0	0	0	0	0
	65+	0	0	1	0	0	1
	Total	0	0	1	0	0	1
		Rate*	0.0	0.0	0.9	0.0	0.0
TOTAL	<5	0	0	1	0	0	1
	5-14	2	0	8	1	0	11
	15-19	3	25	34	1	1	64
	20-44	7	202	230	7	14	460
	45-64	0	145	40	4	1	190
	65+	1	126	14	1	1	143
	Unknown	0	0	4	0	0	4
	Total	13	498	331	14	17	873
		Rate*	0.2	8.5	5.7	0.2	0.3

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

Note: Rates based on fewer than 10 deaths are not statistically reliable.

**TABLE 7-15
NUMBER OF DEATHS BY FIREARMS AND RATES^a OF FIREARM-RELATED FATALITIES BY GENDER AND AGE GROUP,
ARIZONA RESIDENTS, 2004**

Age Group	MALE		FEMALE		TOTAL	
	Number	Rate	Number	Rate	Number	Rate
<5	0	0.0	1	0.5	1	0.2
5-14	10	2.3	1	0.2	11	1.3
15-19	60	27.7	4	2.0	64	15.4
20-44	404	36.6	56	5.4	460	21.5
45-64	156	26.2	34	5.4	190	15.6
65 +	132	39.2	11	2.6	143	18.9
Unknown	4	NA	0	NA	4	NA
Total	766	26.3	107	3.7	873	15.0

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