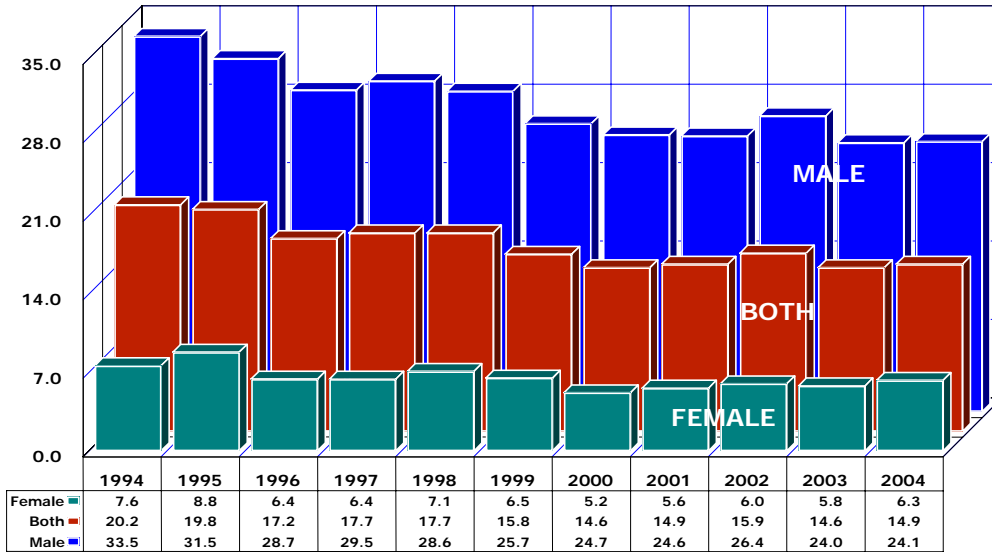


INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

KEY FINDINGS

Figure 3-1
Age-Adjusted Mortality Rates for Intentional Self-Harm (Suicide) by Gender and Year, Arizona, 1994-2004



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

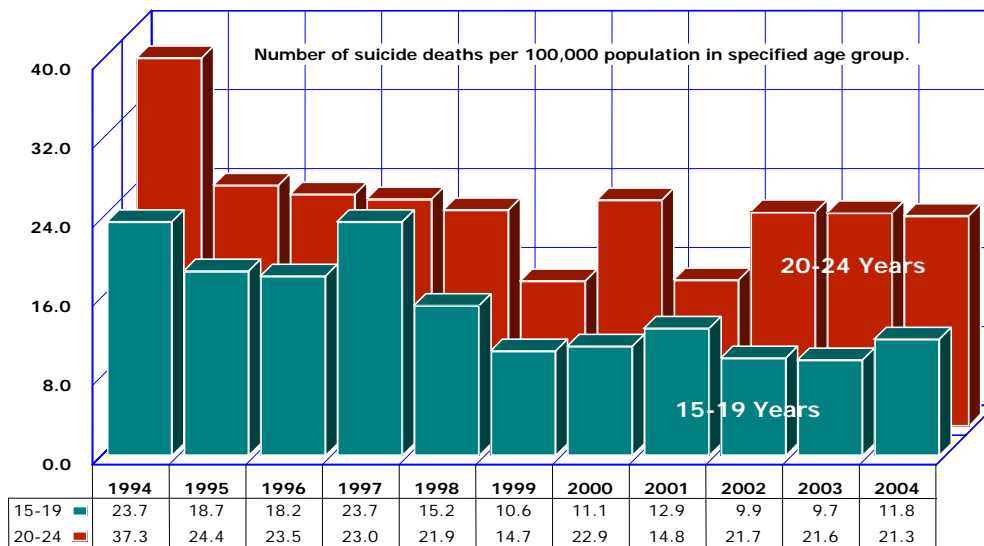
The age-adjusted suicide rate increased slightly from 14.6/100,000 in 2003 to 14.9/100,000 in 2004. (Figure 3-1, Table 3-1). In 2004, there were 854 suicides among Arizona residents, compared to 807 in 2003 and 855 in 2002.

In the 1994-2004 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.

The 2004 male risk for intentional self-harm (24.1/100,000) exceeded 3.8 times the female risk of 6.3/100,000. In 2004, males accounted for 78.9 percent of all suicides.

The suicide statistics for 2000-2001, both numbers and rates, should be used with caution (see *Technical Notes* for more detail).

Figure 3-2
Suicide Mortality Rates by Year for Adolescents 15-19 Years Old and Young Adults Ages 20-24, Arizona, 1994-2004



The suicide rate for adolescents 15-19 years old increased from 9.7 per 100,000 in 2003 to 11.8 per 100,000 in 2004, the first annual increase since 2002 (Figure 3-2, Table 3-3). In 2004, there were 49 suicides among Arizona adolescents 15-19 years, compared to 39 suicides both in 2002 and 2003.

In contrast, the annual suicide rates for young adults 20-24 years old remained unchanged in 2004 at 21.3 deaths per 100,000. In 2004, there were 88 suicides among young Arizona adults 20-24 years old, compared to 108 suicides in 1994.

Note: see footnote to Table 3-1. The rates for 2001 are from the WISQARS site at http://webappa.cdc.gov/sasweb/ncipc/mortrate10_sy.html.

INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

KEY FINDINGS

In 1994-2004, the average annual suicide rate of 27.6 suicides per 100,000 American Indian adolescents 15-19 years old exceeded by 91.7 percent the rate for all Arizona adolescents (14.4 suicides per 100,000 per year, **Figure 3-3**). American Indians, who accounted for 8.1 percent of Arizona adolescents 15-19 years old in 1994-2004, disproportionately accounted for 15.6 percent of all adolescent suicides.

If the average annual suicide rate for American Indian adolescents applied to all Arizonans 15-19 years old in 1994-2004, 1,033 would have died from self-inflicted injuries in suicide during that time, 494 more than 539 who actually did.

Figure 3-3
Average Annual Suicide Rates by Race/Ethnic Group
Among Adolescents 15-19 Years Old,
Arizona, 1994-2004

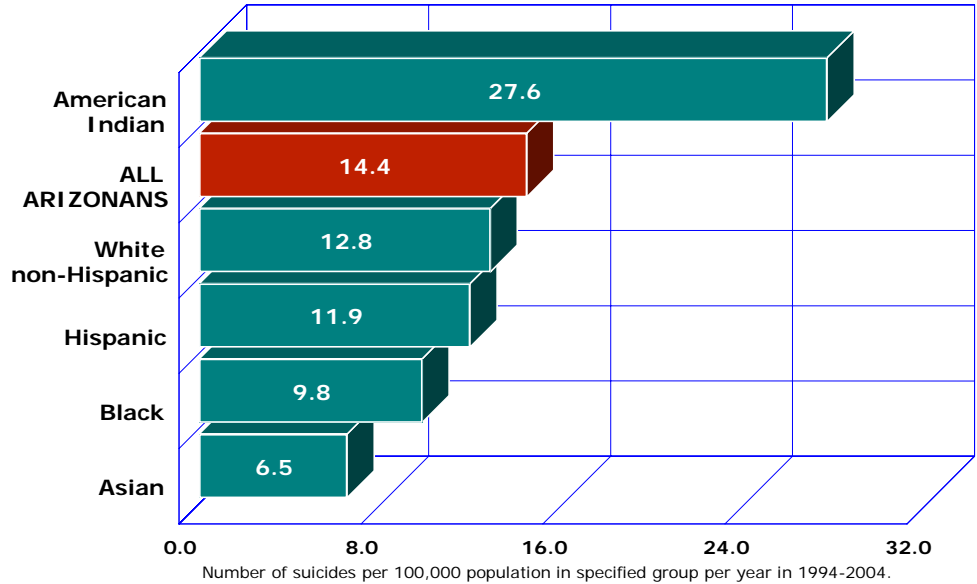
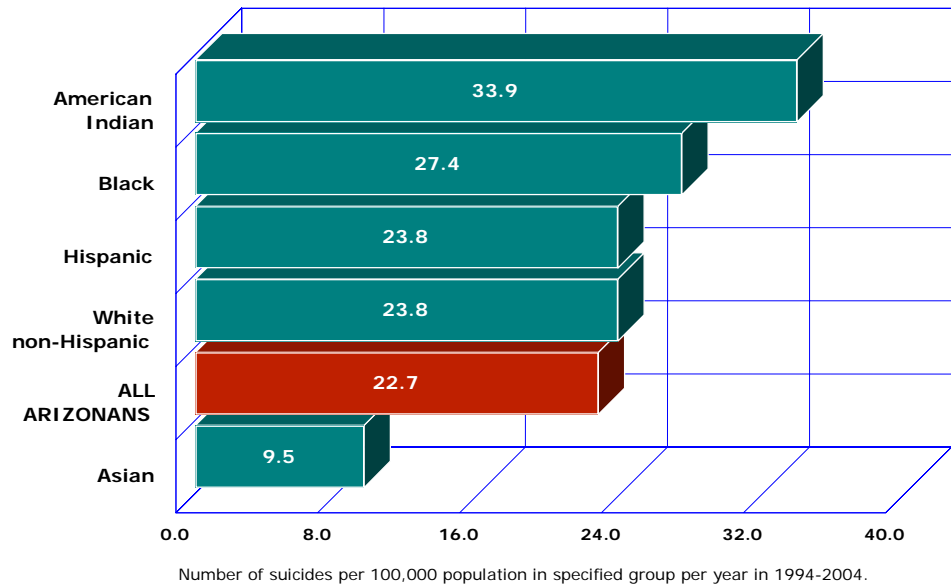


Figure 3-4
Average Annual Suicide Rates by Race/Ethnic Group
Among Young Adults 20-24 Years Old,
Arizona, 1994-2004

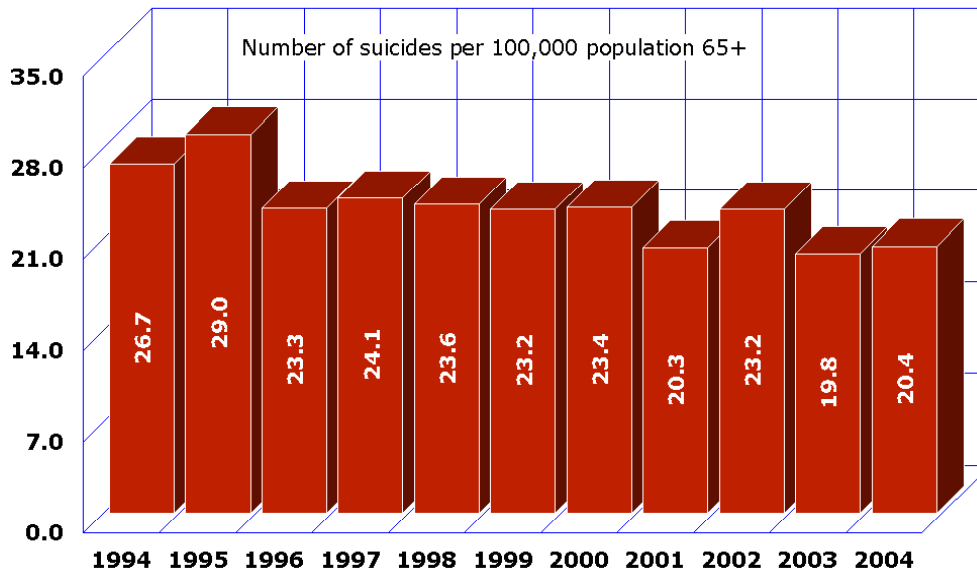
Among young adults 20-24 years old, the average annual suicide rate (computed for the entire period 1994-2004) for American Indians also was the highest rate among the race/ethnic groups in Arizona. In contrast, the suicide rate among Asian or Pacific Islander residents of Arizona was 58.2 percent lower than the rate for all groups (**Figure 3-4**).



INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

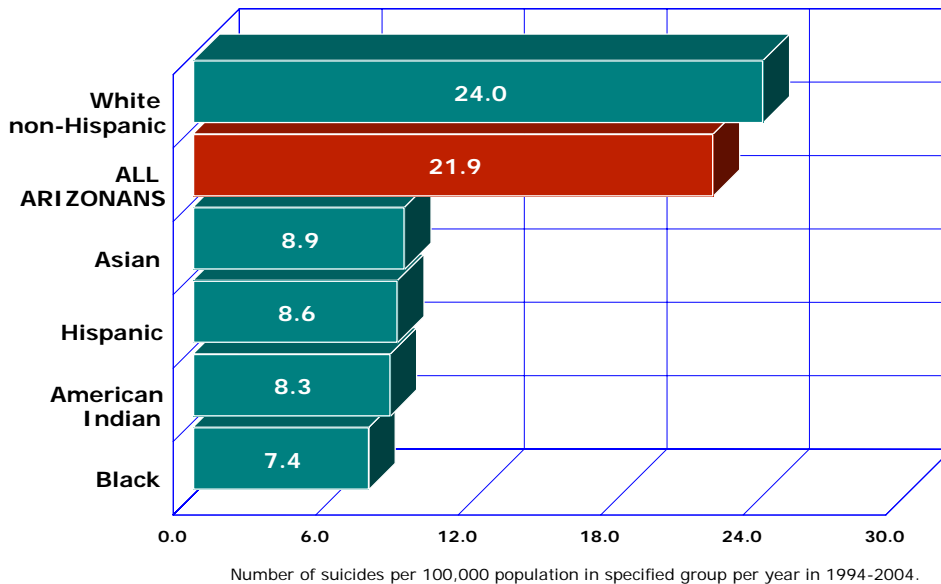
KEY FINDINGS

Figure 3-5
Suicide Mortality Rates by Year Among Elderly 65 Years or Older, Arizona, 1994-2004



Suicide rate among elderly Arizonans 65 years or older increased from 19.8 suicides per 100,000 in 2003 to 20.4/100,000 in 2004. In spite of this increase, it was the second lowest rate of the 1994-2004 period (**Figure 3-5**). In 2004, 154 elderly Arizonans 65 years or older died from self-inflicted injuries, compared to 145 in 2003 (**Table 3-4**).

Figure 3-6
Average Annual Suicide Rates by Race/Ethnic Group Among Elderly 65 Years or Older, Arizona, 1994-2004



In 1994-2004, the average annual suicide rate of White non-Hispanic elderly 65 years or older was the highest rate among the race/ethnic groups (**Figure 3-6**). In contrast, the lowest suicide rate was among the Black elderly 65 year or older. The suicide rate of White non-Hispanic elderly was 3.2 times greater than the suicide rate of Black elderly Arizonans.

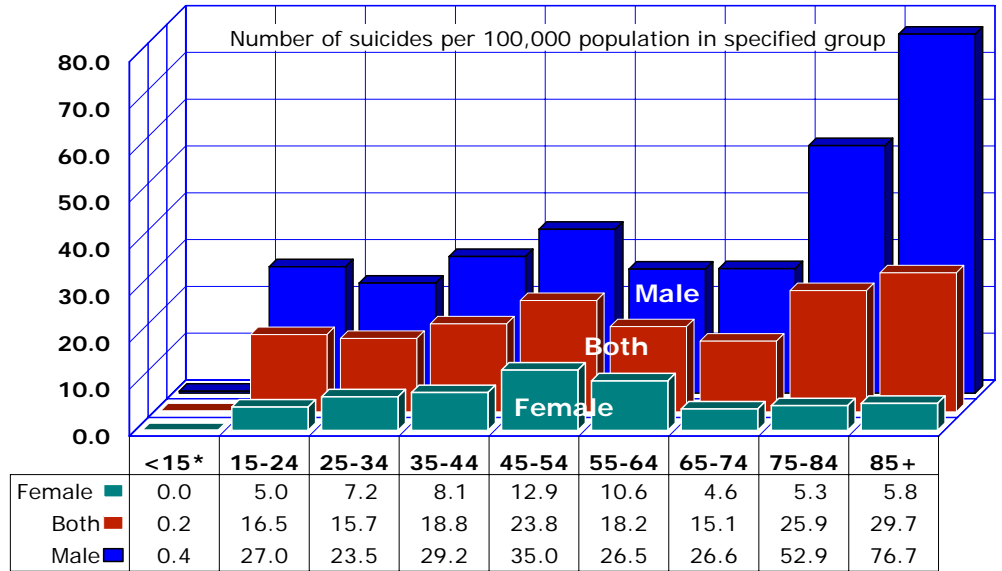
INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

KEY FINDINGS

Among males, the 2004 suicide mortality curve was bimodal (**Figure 3-7, Table 3-5**) reaching the first peak at ages 45-54 years (35.0/100,000), tapering off to 26.5 – 26.6/100,000 at ages 55-74, and rising to a second peak among the elderly 85 years or older (76.7/100,000). The suicide rate among the oldest was the highest rate among all age groups in Arizona. Among females, the highest suicide rate was among those 45-54 years old (12.9 suicides per 100,000).

The 2004 suicide rate among males 85+ years old was 13.2 times greater than the corresponding female rate of 5.8/100,000. In 2004, males accounted for 81.4 percent of all suicides among Arizonans 85 years or older.

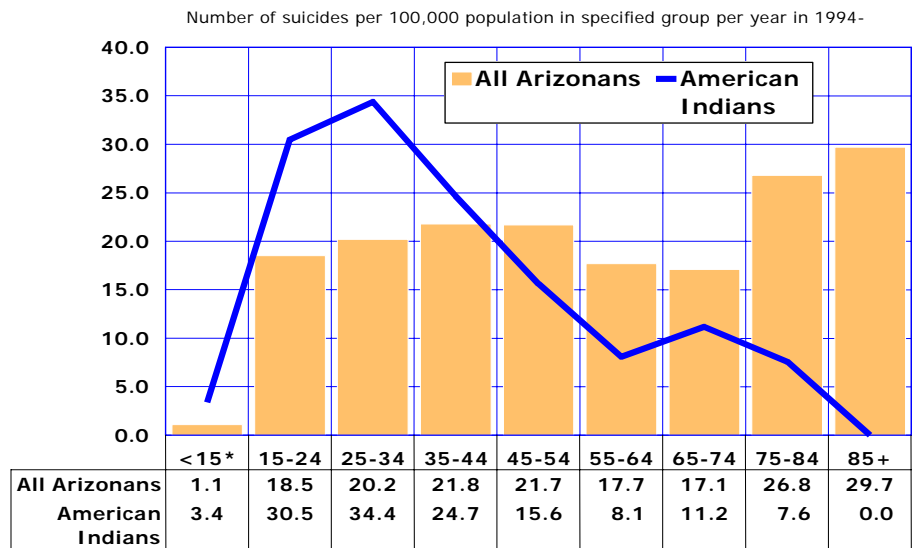
Figure 3-7
Suicide Mortality Rates by Age Group and Gender, Arizona, 2004



* 5-14 years old.

Figures 3-8, 3-9, 3-10, 3-11 and 3-12 reveal ethnic patterns in age-specific suicide mortality. Among American Indian residents of the State in 1994-2004, the highest average annual suicides rates were those of children, adolescents and young adults (**Figure 3-8**). After reaching its peak at ages 25-34 years (34.4 suicides per 100,000 persons per year), the suicide rate dropped 28.2 percent to 24.7/100,000 among American Indians who were 35-44 years old in 1994-2004. There were no suicides among the oldest American Indians 85 years or older.

Figure 3-8
Comparison of Average Annual Suicide Mortality Rates by Age Group Among American Indians and All Residents of Arizona, 1994-2004

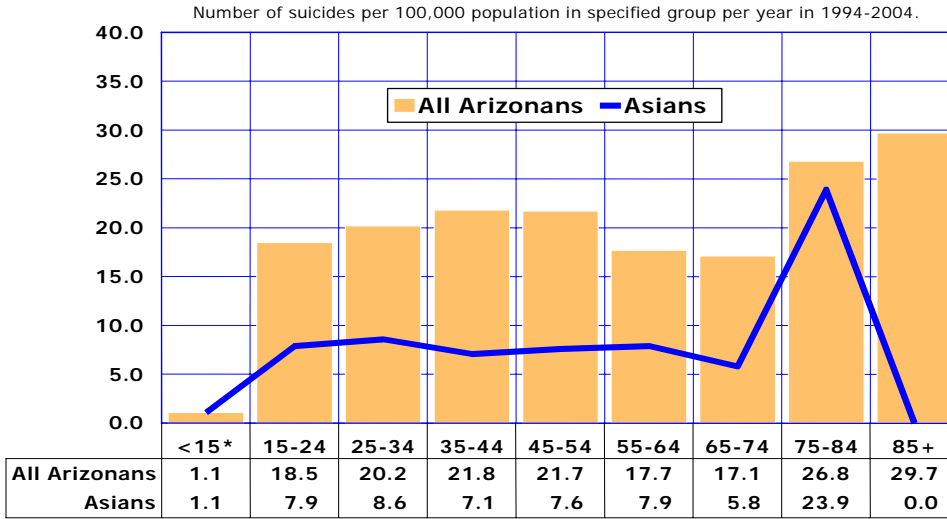


* 5-14 years old.

INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

KEY FINDINGS

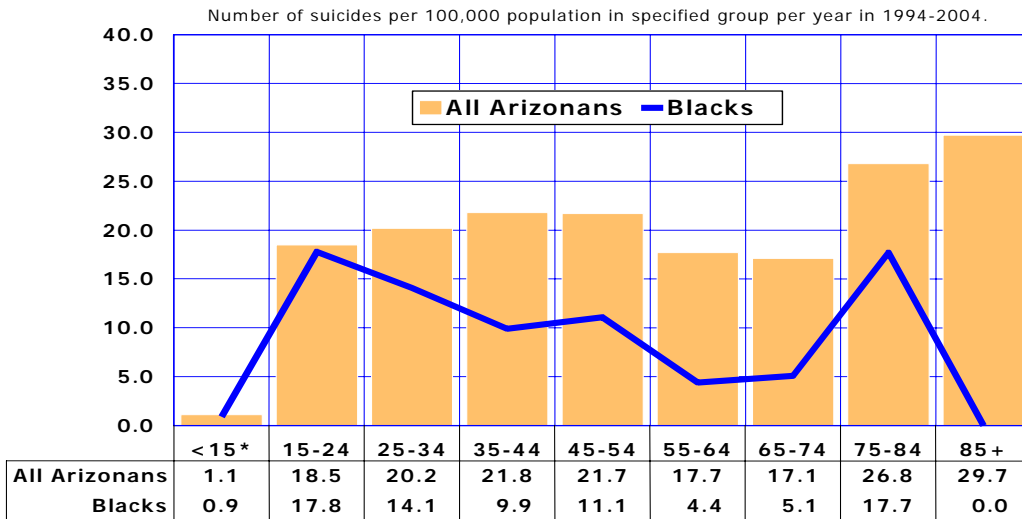
Figure 3-9
Comparison of Average Annual Suicide Mortality Rates by Group Among Asians or Pacific Islanders and All Residents Arizona, 1994-2004



Among Asian or Pacific Islander residents of Arizona none of the average annual (computed for the entire period 1994-2004) age-specific suicide rates exceeded the average rates for all groups (Figure 3-9). The suicide rate among elderly persons 75-84 years old was the highest age-specific rate among Asians or Pacific Islanders.

* 5-14 years old.

Figure 3-10
Comparison of Average Annual Suicide Mortality Rates by Group Among Blacks or African Americans and All Residents Arizona, 1994-2004



Similarly to Asians or Pacific Islanders, also among Blacks or African Americans none of the average annual (computed for the entire period 1994-2004) age-specific suicide rates exceeded the average rates for all groups (Figure 3-10). However, the age-specific suicide mortality curve reflected 3 distinct peaks for Blacks at ages 15-24 years, 45-54 years and 75-84 years.

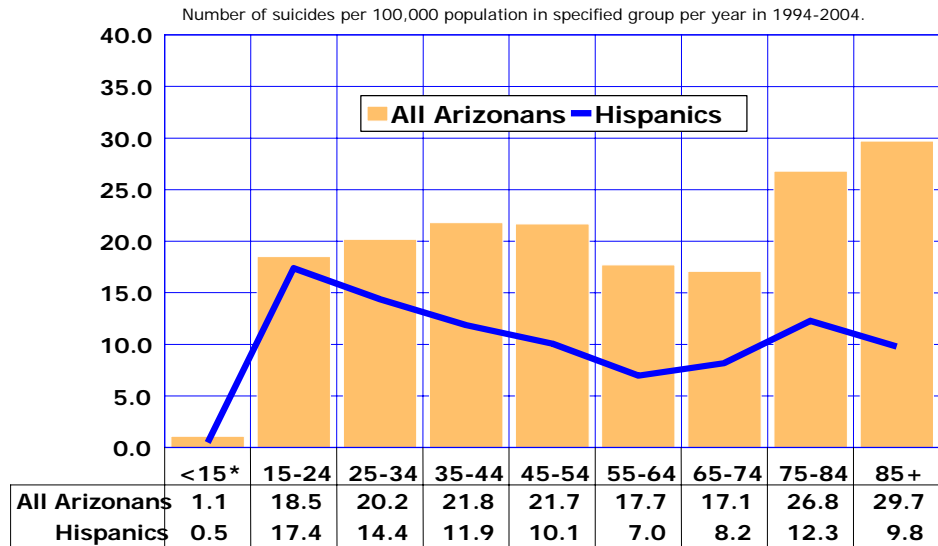
* 5-14 years old.

INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

KEY FINDINGS

In addition to Asians and Blacks, also among Hispanic or Latino residents of Arizona none of the average annual (computed for the entire period 1994-2004) age-specific suicide rates exceeded the average rates for all groups (Figure 3-11). Among Hispanics or Latino, the age-specific suicide mortality curve was bimodal, reaching its first peak at ages 15-24 years (17.4 suicides per 100,000), tapering off at ages 55-64 (7 suicides per 100,000), and rising to a second peak among the elderly 75-84 years old (12.3 suicides per 100,000).

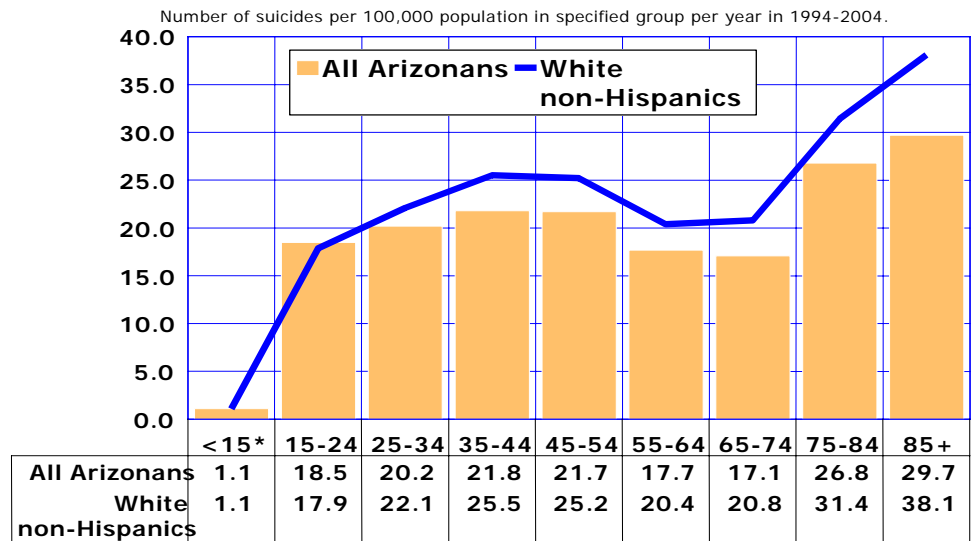
Figure 3-11
Comparison of Average Annual Suicide Mortality Rates by Age Group Among Hispanics or Latinos and All Residents of Arizona, 1994-2004



* 5-14 years old.

The age-specific suicide mortality profile of White non-Hispanics (Figure 3-12) can be best contrasted with the American Indian profile (Figure 3-8). Beginning at ages 25-34 years, all of the average annual (computed for the entire period 1994-2004) age-specific suicide rates of White non-Hispanics exceeded the average rates for all groups. The suicide rate among the oldest 85 years or older (38.1 suicides per 100,000 persons per year) was the highest age-specific suicide rate among White non-Hispanic residents of Arizona.

Figure 3-12
Comparison of Average Annual Suicide Mortality Rates by Age Group Among White non-Hispanics and All Residents of Arizona, 1994-2004

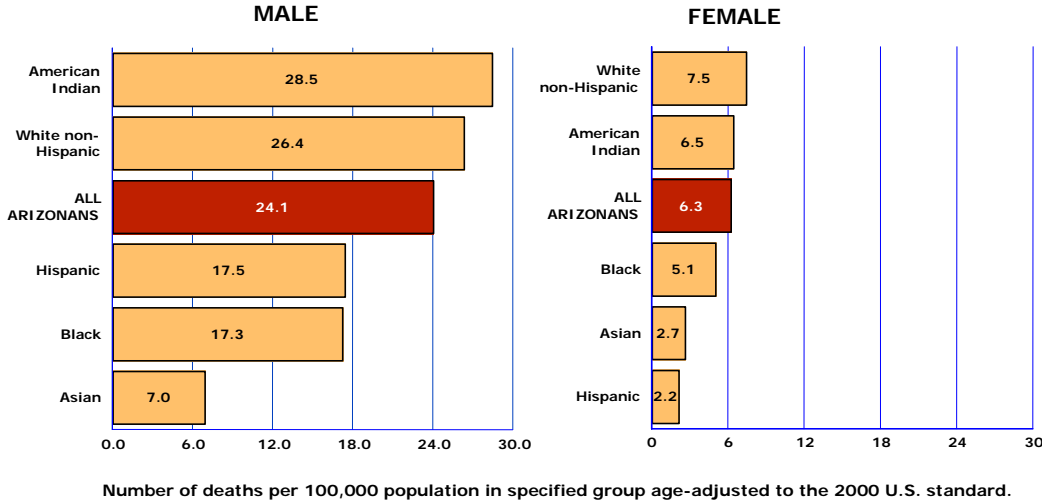


* 5-14 years old.

INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

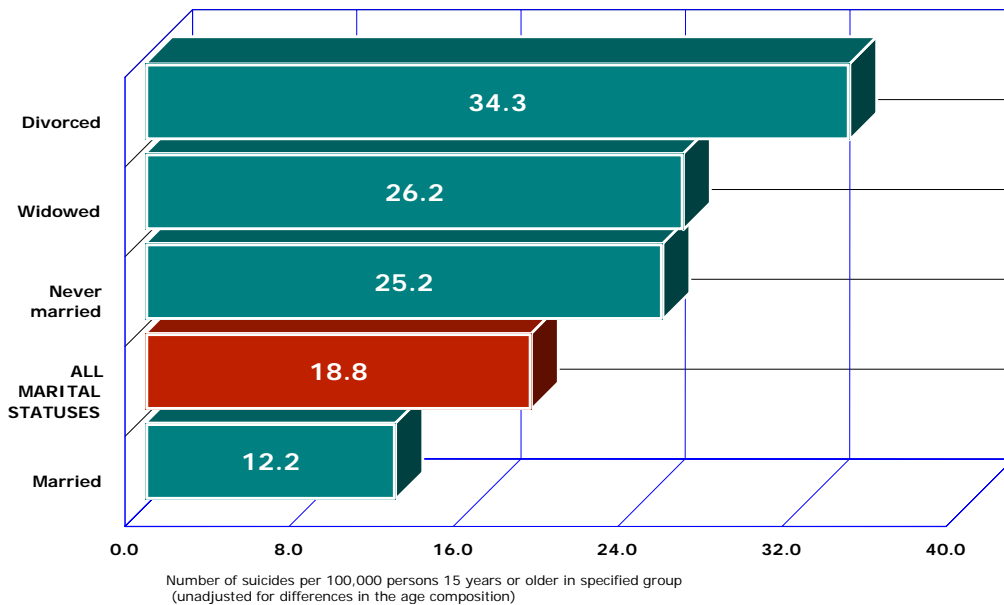
KEY FINDINGS

Figure 3-13
Age-Adjusted Mortality Rates for Suicide by Gender and Race/Ethnic Group, Arizona, 2004



The age-adjusted suicide rate for American Indian males was the highest gender-specific rate in 2004, followed by White non-Hispanic among the race/ethnic groups in Arizona. Among females, the suicide rate for White non-Hispanics was the highest, followed by the suicide rate of American Indian females (Figure 3-13). Particularly high gender ratio in suicide mortality was evident in 2004 for Hispanics (male rate of 17.5 was 8 times the rate of 2.2 for females).

Figure 3-14
Mortality Rates for Intentional Self-Harm (Suicide) by Marital Status, Arizona, 2004



As in the past, married Arizonans clearly were the least likely to end their own lives in 2004 compared to Arizonans in other marital statuses (Figure 3-14, Table 3-6). 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 2.8 times, a widowed person 2.2 times, and a never married person 2.1 times more likely to end his/her own life than a married Arizonan.

INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

KEY FINDINGS

Figure 3-15
Percent Distribution of Suicides by Means of Injury and Race/Ethnic Group, Arizona, 2004

Firearms accounted 58.3 percent of suicides in 2004 (based on data in **Table 3-7**). Hispanic or Latino and White non-Hispanic suicides used firearms more frequently (**Figure 3-15**). Asian or Pacific Islander and American Indian suicides were more likely to die from hanging or strangulation than firearm use. In fact, all of the Asian or Pacific Islander suicides in 2004 died from hanging.

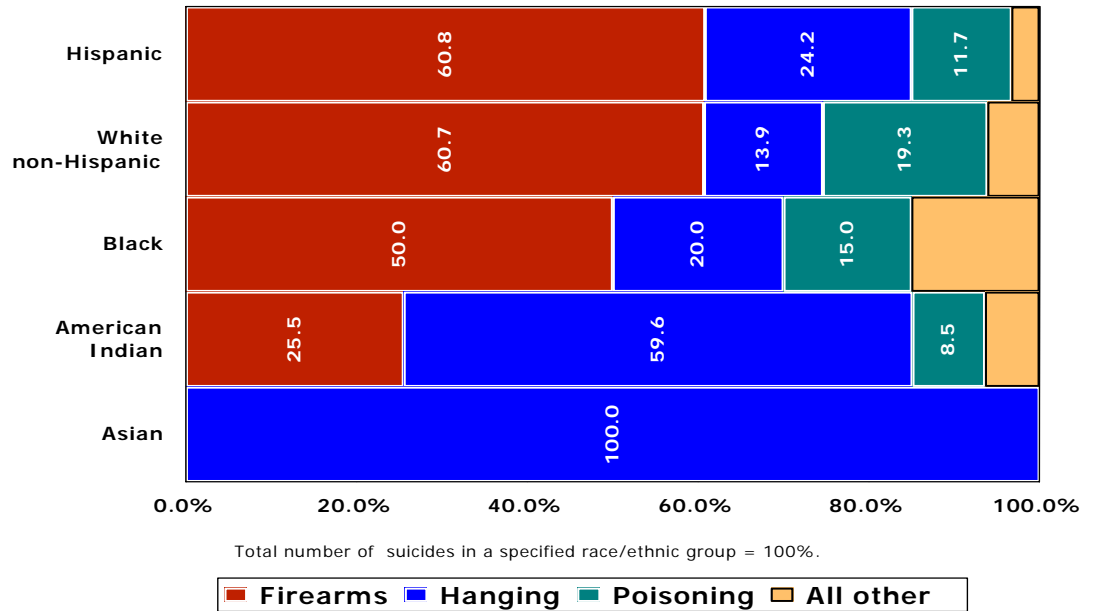
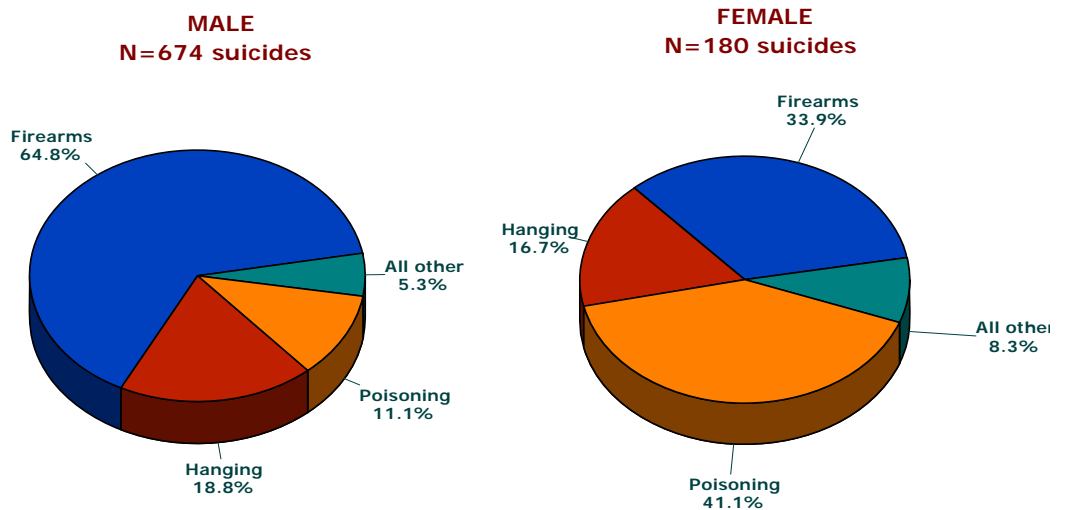


Figure 3-16
Means of Self-Inflicted Injury per 100 Suicides by Gender, Arizona, 2004

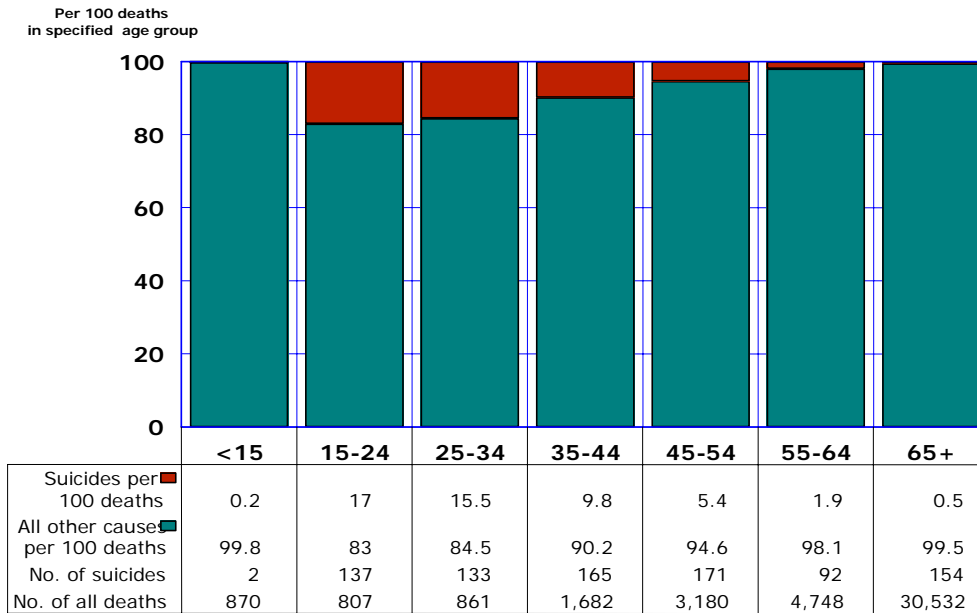
Male suicides used firearms more frequently (64.8 percent) than female suicides (33.9 percent, **Figure 3-16**). In contrast, poisoning accounted for 41.1 percent of female suicides, but 11.1 percent of male suicides in 2004.



INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

KEY FINDINGS

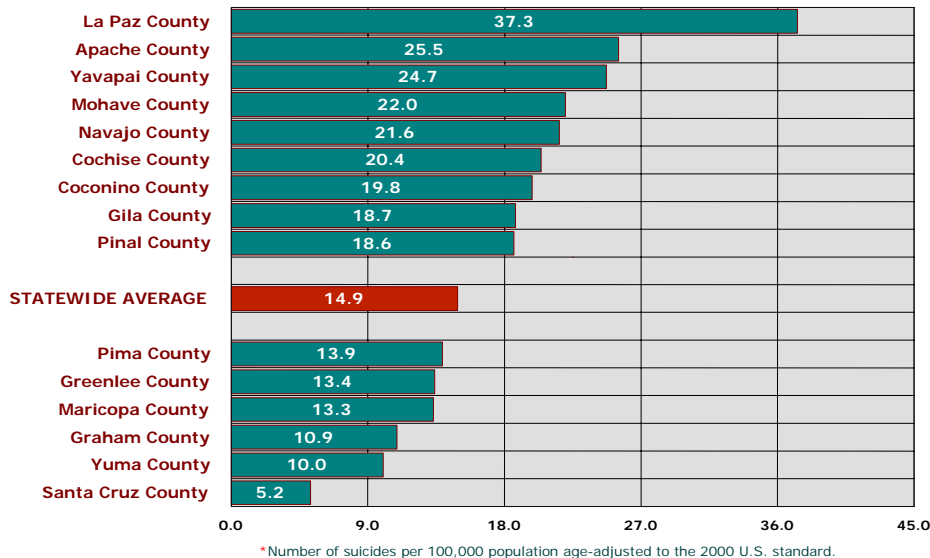
Figure 3-17
Suicides Per 100 Deaths by Age Group,
Arizona, 2004



Suicide has been and continues to be a relatively rare occurrence. In 2004, suicide accounted for 2 percent of the 42,736 total deaths of Arizona residents. Among 30,532 Arizonans aged 65 and older who died in 2004, only 0.5 percent (154 deaths) were suicides (Figure 3-17).

However, the contribution of suicide to total mortality was strongly marked at ages 15-34. One out of six deaths in this age group was a suicide in 2004 (270 suicides among 1,668 total deaths).

Figure 3-18
Age-Adjusted Mortality Rates for Intentional Self-Harm
(Suicide) by County of Residence in Arizona, 2004



Note: The rates for Graham, Greenlee and Santa Cruz counties are not statistically reliable. These rates are based on fewer than 10 suicides in 2004.

The age-adjusted suicide mortality rates varied in Arizona in 2004 from 5.2 suicides per 100,000 residents of Santa Cruz County, to 37.3 suicides per 100,000 residents of La Paz County (Figure 3-18, Table 5E-11 in *Arizona Health Status and Vital Statistics 2004*). Including La Paz, nine counties exceeded the statewide average rate of 14.9 suicides per 100,000 resident population in 2004.

**TABLE 3-1
NUMBER OF SUICIDES AND AGE-ADJUSTED SUICIDE MORTALITY RATES^a BY GENDER AND YEAR,
ARIZONA RESIDENTS, 1994-2004**

GENDER	1994	1995	1996	1997	1998	1999	2000	2001		2002	2003	2004
								unmodified	modified			
MALE												
--Number	663	671	619	662	674	613	604	485	622	692	647	674
--Rate	33.5	31.5	28.7	29.5	28.6	25.7	24.7	19.1	24.6	26.4	24.0	24.1
FEMALE												
--Number	153	187	143	148	171	160	133	115	145	163	160	180
--Rate	7.6	8.8	6.4	6.4	7.1	6.5	5.2	4.4	5.6	6.0	5.8	6.3
TOTAL												
--Number	816	858	762	810	845	773	737	600	767	855	807	854
--Rate	20.2	19.8	17.2	17.7	17.7	15.8	14.6	11.5	14.9	15.9	14.6	14.9
Rate ratio, M:F	4.4	3.6	4.5	4.6	4.0	4.0	4.7	4.3	4.4	4.4	4.0	3.8
Percent MALE suicides ^c	81.3	78.2	81.2	81.7	79.8	79.3	81.9	80.8	81.1	80.9	80.2	78.9

^aNumber 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.

^bIncludes one record with unspecified gender.

^cTOTAL suicides = 100 percent.

Data year	1999	2000	2001		2002	2003	2004
			unmodified	modified			
Suicide	773	737	600	767	855	807	854
Suicide by drugs	105	59	76	113	100	93	115
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. Some of the firearm fatalities (as well as drug poisonings), 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 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 3-2
AGE-SPECIFIC* AND AGE-ADJUSTED SUICIDE MORTALITY RATES FOR ARIZONA AND UNITED STATES,
1994-2004**

YEAR	AREA	AGE GROUP:						Age-adjusted mortality rate**
		15-24	25-34	35-44	45-54	55-64	65+	
1994	AZ	30.8	25.8	26.3	23.9	20.5	26.7	20.2
	U.S.	14.9	16.0	15.4	13.2	14.5	18.1	11.9
1995	AZ	21.6	30.0	30.0	22.5	19.8	29.0	19.8
	U.S.	13.3	15.4	15.2	14.6	13.3	18.1	11.8
1996	AZ	20.9	22.3	24.4	21.8	14.9	23.3	17.2
	U.S.	12.1	12.0	14.5	15.5	14.9	17.3	11.5
1997	AZ	23.4	22.4	26.3	20.3	14.6	24.1	17.7
	U.S.	11.4	14.3	15.3	14.7	13.5	16.8	11.2
1998	AZ	18.5	23.6	26.3	24.2	17.6	23.6	17.7
	U.S.	11.1	13.8	15.4	14.8	13.1	16.9	11.1
1999	AZ	12.6	19.7	21.0	21.9	22.5	23.2	15.8
	U.S.	10.3	13.5	14.4	14.2	12.4	15.9	10.5
2000	AZ	17.0	14.9	18.9	21.2	13.8	23.4	14.6
	U.S.	10.1	13.2	14.6	14.6	12.3	15.3	10.4
2001	AZ	21.5	25.2	21.2	22.0	24.0	20.3	11.5 ***(14.9)
	U.S.	9.9	12.7	14.7	15.2	13.1	15.3	10.7
2002	AZ	15.8	18.9	18.2	23.6	20.8	23.2	15.9
	U.S.	9.9	12.7	15.3	15.8	13.6	15.6	11.0
2003	AZ	15.6	16.4	20.7	19.7	17.1	19.8	14.6
	U.S.	NA	NA	NA	NA	NA	NA	NA
2004	AZ	16.5	15.7	18.8	23.8	18.2	20.4	14.9
	U.S.	NA	NA	NA	NA	NA	NA	NA

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

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

*** See footnote to Table 3-1. The rate of 11.5 is based on the number of suicides unmodified for misclassification of firearm suicides and suicide poisoning deaths as accidents.

The U.S. data for 1994-2002 are available at <http://www.cdc.gov/hcipc/wisqars/>.

**TABLE 3-3
NUMBER OF SUICIDES AND SUICIDE RATES* FOR PERSONS 15-24 YEARS OLD BY AGE GROUP AND YEAR,
ARIZONA AND UNITED STATES, 1994-2004**

Year	Area	15-24 Years		
		Total, 15-24 Years	15-19 Years	20-24 Years
1994	AZ	30.8 (170)	23.7 (62)	37.3 (108)
	U.S.	14.9	11.1	16.4
1995	AZ	21.6 (123)	18.7 (52)	24.4 (71)
	U.S.	13.3	10.5	16.2
1996	AZ	20.9 (128)	18.2 (56)	23.5 (72)
	U.S.	12.1	9.7	14.5
1997	AZ	23.4 (147)	23.7 (75)	23.0 (72)
	U.S.	12.1	9.4	13.6
1998	AZ	18.5 (120)	15.2 (50)	21.9 (70)
	U.S.	11.1	8.9	13.6
1999	AZ	12.6 (85)	10.6 (36)	14.7 (49)
	U.S.	10.1	8.0	12.3
2000	AZ	17.0 (124)	11.1 (41)	22.9 (83)
	U.S.	10.1	8.0	12.8
2001	AZ	11.4 (86)	12.9/10.5 (40)	14.8/12.3 (46)
	U.S.	9.9	8.0	12.0
2002	AZ	15.8 (123)	9.9 (39)	21.7 (84)
	U.S.	9.9	8.0	12.3
2003	AZ	15.6 (125)	9.7 (39)	21.6 (86)
	U.S.	NA	NA	NA
2004	AZ	16.5 (137)	11.8 (49)	21.3 (88)
	U.S.	NA	NA	NA

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

Note: Numbers in parentheses are the numbers of suicide deaths in specified age groups of Arizona residents. The rates in red for 2001 are from the WISQARS site. See footnote to Table 3-1.

NA: Not available.

The U.S. data for 1994-2002 are available at: <http://www.cdc.gov/nrcipc/wisqars/>.

**TABLE 3-4
NUMBER OF SUICIDES BY ETHNIC GROUP, AGE GROUP AND YEAR, ARIZONA RESIDENTS, 1994-2004**

Race/Ethnicity	Age Group	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
White non-Hispanic	<15	5	7	4	4	6	3	5	2	6	4	2	
	15-19	36	33	34	38	27	17	26	17	23	21	27	
	20-24	65	45	43	45	42	32	38	23	43	47	54	
	25-34	123	143	106	115	111	86	77	67	97	82	80	
	35-44	133	158	140	157	163	114	114	90	124	135	135	
	45-54	83	96	101	94	122	110	118	107	140	119	144	
	55-64	58	61	50	48	62	79	55	52	94	78	78	
	65+	139	161	136	143	148	147	153	104	157	138	142	
	Unknown	0	0	1	1	1	1	1	0	0	0	0	
	TOTAL		642	704	615	645	682	589	586	462	684	624	662
Hispanic or Latino	<15	1	1	1	1	3	2	0	1	3	0	0	
	15-19	16	12	13	24	14	13	8	7	10	6	9	
	20-24	30	18	20	12	17	9	31	15	25	22	27	
	25-34	21	27	22	22	28	33	23	20	31	31	32	
	35-44	16	19	19	12	17	28	15	12	14	24	18	
	45-54	10	6	3	4	10	9	9	13	10	15	14	
	55-64	3	2	1	4	2	5	3	3	3	3	11	
	65+	1	4	7	7	7	7	3	2	7	4	9	
	TOTAL		98	89	86	86	98	106	92	73	103	105	120
	Black or African American	<15	0	2	0	0	0	0	0	0	0	1	0
15-19		1	4	1	3	1	0	3	1	1	0	2	
20-24		6	2	3	4	2	4	2	2	5	7	2	
25-34		4	5	6	5	4	5	0	4	4	6	4	
35-44		2	1	2	3	1	5	1	4	1	7	5	
45-54		1	2	1	2	2	2	3	3	1	1	4	
55-64		0	0	0	0	1	0	1	0	0	1	2	
65+		0	3	0	2	0	0	3	1	1	0	1	
TOTAL			14	19	13	19	11	19	10	15	12	23	20
American Indian or Alaska Native		<15	3	1	2	1	3	1	1	6	3	2	0
	15-19	8	3	7	10	5	5	4	15	4	12	11	
	20-24	6	5	4	8	9	4	11	5	11	9	5	
	25-34	19	18	18	11	20	17	7	6	16	13	16	
	35-44	9	11	6	10	7	7	13	6	10	7	7	
	45-54	4	1	3	6	0	5	3	2	5	1	7	
	55-64	2	1	1	0	1	3	1	1	0	1	0	
	65+	0	1	1	0	2	1	1	2	1	1	0	
	TOTAL		41	42	48	46	43	41	43	50	47	47	
	TOTAL		51	41	42	48	46	43	41	43	50	47	47

**TABLE 3-4
NUMBER OF SUICIDES BY ETHNIC GROUP, AGE GROUP AND YEAR, ARIZONA RESIDENTS, 1994-2004**

Race/Ethnicity	Age Group	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
Asian or Pacific Islander	<15	0	0	0	1	0	0	0	0	0	0	0	
	15-19	1	0	1	0	3	0	0	0	1	0	0	
	20-24	1	1	2	3	0	0	0	1	0	0	0	
	25-34	2	0	1	3	2	2	4	1	2	2	1	
	35-44	1	1	0	3	2	2	2	1	0	2	0	
	45-54	4	0	1	1	0	1	1	0	2	0	1	
	55-64	0	0	0	1	1	2	1	0	0	0	1	
	65+	1	1	0	0	0	0	0	3	0	0	1	1
	TOTAL	10	3	5	12	8	7	7	7	6	5	6	4
	Other/Unknown	<15	0	0	0	0	0	0	0	0	0	0	0
		15-19	0	0	0	0	0	1	0	0	0	0	0
		20-24	0	0	0	0	0	0	1	0	0	1	0
		25-34	1	0	0	0	0	0	0	0	0	0	0
35-44		0	0	0	0	0	2	0	0	0	0	0	
45-54		0	0	0	0	0	2	0	0	0	0	1	
55-64		0	1	0	0	0	1	0	0	1	0	0	
65+		0	0	0	0	0	2	0	1	0	0	0	
Unknown		0	1	1	0	0	0	0	0	0	0	1	0
TOTAL		1	2	1	0	0	0	9	1	1	1	2	1
All Ethnic Groups, Total		<15	9	11	7	7	12	7	6	9	12	8	2
		15-19	62	52	56	75	50	36	41	40	39	39	49
		20-24	108	71	72	72	70	49	83	46	84	86	88
	25-34	170	193	153	156	165	143	111	98	150	134	133	
	35-44	161	190	167	185	190	158	145	113	149	175	165	
	45-54	102	105	109	107	134	129	133	125	158	136	171	
	55-64	63	65	52	53	67	90	61	56	98	83	92	
	65+	141	170	144	154	156	160	157	113	165	145	154	
	Unknown	0	1	2	1	1	1	1	0	0	1	0	
	TOTAL	816	858	762	810	845	773	737	600 (*767)	855	807	854	

*The number of 767 suicides includes firearm suicides and suicide poisoning deaths misclassified as accidents by the automatic coding of the underlying cause of death. See Preface. The race/ethnicity-and age-specific count of suicides in the above table has not been modified.

**TABLE 3-5
NUMBER OF SUICIDES AND SUICIDE MORTALITY RATES * BY AGE GROUP AND GENDER,
ARIZONA RESIDENTS, 2004**

	Male		Female		Total	
	Count	Rate	Count	Rate	Count	Rate
<15 **	2	0.4	0	0.0	2	0.2
15-24	117	27.0	20	5.0	137	16.5
15-19	39	18.0	10	5.0	49	11.8
20-24	78	36.0	10	5.1	88	21.3
25-34	104	23.5	29	7.2	133	15.7
35-44	130	29.2	35	8.1	165	18.8
45-54	124	35.0	47	12.9	171	23.8
55-64	64	26.5	28	10.6	92	18.2
65+	133	39.5	21	5.0	154	20.4
65-74	52	26.6	10	4.6	62	15.1
75-84	61	52.9	8	5.3	69	25.9
85+	20	76.7	3	5.8	23	29.7
TOTAL	674	23.1	180	6.2	854	14.6

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

**Per 100,00 persons 5-14 years old.

**TABLE 3-6
SUICIDE MORTALITY BY MARITAL STATUS AND AGE GROUP, ARIZONA RESIDENTS, 2004**

	MARITAL STATUS					TOTAL
	Never married	Married	Widowed	Divorced	Unknown	
< 15	2	0	0	0	0	2
15-24	120	15	1	1	0	137
25-34	80	36	0	17	0	133
35-44	46	67	3	46	3	165
45-54	39	67	8	50	7	171
55-64	4	48	6	31	3	92
65 +	10	71	52	18	3	154
TOTAL, ALL AGES	301	304	70	163	16	854
Suicides among persons 15 and over	299	304	70	163	7	852
Estimated number of persons 15 and over by category of marital status	1,185,494	2,483,375	266,917	474,923	NA	4,531,706
Suicide rate * per 100,000 persons 15 +	25.2	12.2	26.2	34.3	NA	18.8

Note: In order to obtain the 2004 population denominators by marital status, the 2000 percentages of population (or census shares) by marital status among persons 15 and over were applied to the 2004 total state population estimates of persons 15 and over.

* Unadjusted for differences in the age composition.

TABLE 3-7
SUICIDE MORTALITY BY MEANS OF INJURY, RACE/ETHNICITY AND GENDER, ARIZONA RESIDENTS, 2004

	Total, all groups	RACE/ETHNICITY						GENDER	
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Other/Unknown	Male	Female
Poisoning by drugs, medicaments and biological substances (X60 - X64)	115	95	14	2	4	0	0	51	64
Poisoning by alcohol (X65)	0	0	0	0	0	0	0	0	0
Poisoning by gases or vapors (X66 and X67)	33	32	0	1	0	0	0	24	9
Poisoning by pesticides, other and unspecified chemicals and noxious substances (X68 and X69)	1	1	0	0	0	0	0	0	1
Hanging, strangulation or suffocation (X70)	157	92	29	4	28	4	0	127	30
Drowning and submersion (X71)	7	6	0	1	0	0	0	2	5
Firearm discharge (X72-X7)	498	402	73	10	12	0	1	437	61
Explosives (X75)	0	0	0	0	0	0	0	0	0
Smoke, fire, flames (X76)	4	1	1	1	1	0	0	3	1
Steam, hot vapours and hot objects (X77)	0	0	0	0	0	0	0	0	0
Sharp or blunt object (X78 and X79)	19	15	2	0	2	0	0	15	4
Jumping from a high place (X80)	6	6	0	0	0	0	0	5	1
Jumping or lying before a moving object (X81)	10	9	1	0	0	0	0	6	4
Crashing of motor vehicle (X82)	0	0	0	0	0	0	0	0	0
Other specified means (X83)	3	2	0	1	0	0	0	3	0
Unspecified means (X84)	0	0	0	0	0	0	0	0	0
Total	854	662	120	20	47	4	1	674	180

**TABLE 3-8
SUICIDE MORTALITY RATES* BY COUNTY OF RESIDENCE, ARIZONA RESIDENTS, 1994-2004**

COUNTY OF RESIDENCE	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Apache	4.6	14.1	20.2	26.0	13.6	25.4	20.2	13.1	18.5	19.8	23.8
Cochise	26.9	22.8	13.9	14.6	16.9	16.1	18.7	17.6	16.1	18.2	29.7
Coconino	17.9	25.5	22.0	17.3	21.9	15.5	16.3	17.0	15.1	12.4	20.1
Gila	25.9	38.4	28.7	26.0	25.5	23.9	13.6	11.7	26.4	20.5	18.5
Graham	14.0	19.1	9.6	15.5	15.0	25.2	0.0	12.0	23.5	2.9	11.1
Greenlee	23.4	35.3	11.6	22.9	22.6	10.8	11.7	36.1	0.0	11.6	12.0
La Paz	6.5	24.2	44.0	37.3	25.9	15.6	20.3	0.0	24.6	19.8	47.3
Maricopa	17.3	18.0	15.3	15.0	15.1	13.0	12.4	9.7 (12.5)	13.9	13.2	13.0
Mohave	34.5	27.7	16.4	21.9	23.3	25.9	33.5	17.3	28.8	20.5	22.2
Navajo	26.5	26.6	16.6	21.1	23.1	17.1	17.4	25.0	22.6	28.9	19.5
Pima	21.1	18.3	15.5	17.9	18.7	18.6	15.3	12.5 (16.0)	16.2	14.5	14.2
Pinal	21.3	20.5	24.3	15.5	24.2	15.1	13.9	13.2	17.7	18.4	18.3
Santa Cruz	12.3	9.0	8.6	11.2	10.9	12.8	2.6	5.1	5.0	9.8	4.8
Yavapai	32.3	33.7	22.2	26.5	27.1	28.9	29.8	18.2 (23.4)	28.3	22.5	24.4
Yuma	16.1	13.0	15.2	14.8	14.5	11.5	9.4	3.6	10.0	14.3	9.4
ARIZONA	20.2	20.5	17.1	17.6	17.9	15.7	14.4	11.3 (14.5)	15.6	14.3	14.6

*Rates per 100,000 population (unadjusted for differences in the age composition).
 Note: the 2001 Arizona rate of 11.3 is unmodified for the misclassification of firearm suicides and suicide poisoning deaths as accidents. The rate of 14.5 includes the originally misclassified suicides. The rates in parentheses for Maricopa, Pima and Yavapai counties also have been corrected for misclassification. See Preface.

**TABLE 3-9
NUMBER OF SUICIDES BY COUNTY OF RESIDENCE AND YEAR, ARIZONA RESIDENTS, 1994-2004**

COUNTY OF RESIDENCE	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Apache	3	9	13	17	9	17	14	9	13	14	17
Cochise	28	25	16	17	20	20	22	21	20	23	27
Coconino	19	28	25	20	26	19	19	20	19	16	26
Gila	11	17	13	12	12	12	7	6	14	11	10
Graham	4	6	3	5	5	9	0	4	8	1	4
Greenlee	2	3	1	2	2	1	1	3	0	1	1
La Paz	1	4	8	7	5	3	4	0	5	2	10
Maricopa	404	437	402	407	425	379	381	311	457	447	458
Mohave	39	35	21	29	32	37	52	28	48	35	40
Navajo	22	22	14	18	20	16	17	25	23	30	21
Pima	155	137	121	143	153	157	129	108	144	132	132
Pinal	27	28	35	23	37	25	25	25	34	37	40
Santa Cruz	4	3	3	4	4	5	1	2	2	4	2
Yavapai	39	43	30	37	39	45	50	32	51	42	48
Yuma	19	16	19	19	19	16	15	6	17	11	17
Unknown	39	45	38	50	37	12	0	0	0	1	1
TOTAL	816	858	762	810	845	773	737	600 (*767)	855	807	854

* The number of 767 suicides includes firearm suicides and suicide poisoning deaths misclassified as accidents by the automatic coding of the underlying cause of death. See Preface. The county-specific count of suicides in the above table has not been modified.

**TABLE 3-10
NUMBER OF SUICIDES FOR PERSONS 15-19 YEARS OLD BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA RESIDENTS, 1994-2004**

COUNTY OF RESIDENCE	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Apache	0	1	1	4	1	1	0	2	0	3	5
Cochise	3	1	2	0	1	1	0	3	0	1	1
Coconino	1	3	2	1	2	0	2	3	0	0	2
Gila	1	1	0	0	0	1	0	1	1	2	0
Graham	0	1	1	0	2	1	0	0	1	0	0
Greenlee	0	0	0	0	0	0	0	0	0	0	0
Maricopa	32	28	32	41	25	16	26	15	23	21	27
Mohave	1	0	2	2	0	4	1	1	3	0	0
Navajo	2	1	2	3	1	2	1	7	4	2	1
Pima	9	4	7	11	12	5	9	5	7	7	10
Pinal	2	1	2	3	1	1	2	3	0	2	2
Santa Cruz	0	0	0	0	0	0	0	0	0	1	0
Yavapai	3	2	0	1	1	1	0	0	0	0	1
Yuma	0	2	0	1	1	1	0	0	0	0	0
La Paz	0	0	0	0	1	0	0	0	0	0	0
Unknown	8	7	5	8	2	2	0	0	0	0	0
TOTAL	62	52	56	75	50	36	41	40	39	39	49

**TABLE 3-11
NUMBER OF SUICIDES FOR ELDERLY (65 YEARS AND OLDER) BY COUNTY OF RESIDENCE AND YEAR,
ARIZONA RESIDENTS, 1994-2004**

COUNTY OF RESIDENCE	1994	1995	1996	1997	1998	1999	2000	2001*	2002	2003	2004
Apache	0	2	1	0	0	1	1	1	0	1	0
Cochise	5	6	3	6	8	3	8	3	9	5	4
Coconino	1	1	2	0	4	2	5	2	1	1	0
Gila	5	6	1	4	6	5	1	1	2	1	2
Graham	0	2	0	1	2	2	0	2	1	0	0
Greenlee	1	1	0	0	0	0	0	0	0	0	1
Maricopa	67	82	81	71	74	66	70	48	72	72	75
Mohave	6	11	6	9	11	9	15	11	15	5	9
Navajo	0	0	1	1	3	1	0	5	3	5	2
Pima	31	36	21	33	25	43	23	23	34	35	28
Pinal	6	6	13	6	2	4	4	3	7	6	8
Santa Cruz	1	0	1	0	0	0	0	0	0	0	0
Yavapai	9	12	8	14	13	16	21	13	14	11	12
Yuma	9	4	6	6	8	6	6	1	5	3	7
La Paz	0	1	0	3	0	2	3	0	2	0	6
TOTAL	141	170	144	154	156	160	157	113	165	145	154

* See Preface. Modified counts of suicides for 2001 are not available.

**TABLE 3-12
SUICIDE MORTALITY BY MONTH AND YEAR, ARIZONA RESIDENTS, 1994-2004**

Month of death	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
January	50	77	77	75	79	71	73	48	80	62	79
February	78	61	62	42	58	63	68	46	62	50	66
March	63	82	65	68	69	75	67	56	60	84	75
April	75	69	66	58	70	71	70	40	94	72	52
May	78	71	65	78	77	61	54	45	80	79	58
June	62	76	62	81	70	62	73	32	49	74	90
July	68	81	75	80	80	64	67	55	79	75	94
August	78	89	66	71	79	68	42	47	77	77	78
September	67	81	68	75	77	60	66	60	74	60	59
October	69	57	57	61	58	63	53	60	75	81	59
November	75	62	65	59	68	71	50	59	73	54	80
December	53	52	34	62	60	44	54	52	52	39	64
TOTAL	816	858	762	810	845	773	737	600 (*767)	855	807	854

* See Preface. Modified monthly counts are not available.

**TABLE 3-13
SUICIDE DEATHS BY GENDER, MEANS OF INJURY AND YEAR, ARIZONA RESIDENTS, 1994-2004**

Male	Total	1994		1995		1996		1997		1998		1999		2000		*2001		2002		2003		2004		
		Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	
	Firearm discharge or explosive material	Count	468	100%	480	100%	450	100%	464	100%	491	100%	430	100%	432	100%	311	100%	466	100%	414	100%	437	100%
	Percent	70.6%	71.5%	72.7%	70.1%	72.8%	70.1%	72.8%	70.1%	71.5%	71.5%	70.1%	71.5%	71.5%	64.1%	67.3%	64.8%	67.3%	64.0%	64.8%	64.0%	64.8%	64.8%	64.8%
	Hanging, strangulation or suffocation	Count	89	13.4%	88	13.1%	85	13.7%	107	16.2%	95	14.1%	84	13.7%	92	15.2%	95	19.6%	122	17.6%	129	19.9%	127	18.8%
	Percent	13.4%	13.1%	13.7%	16.2%	14.1%	13.7%	16.2%	14.1%	13.7%	15.2%	19.6%	17.6%	19.9%	17.6%	19.9%	18.8%	17.6%	19.9%	18.8%	19.9%	18.8%	18.8%	18.8%
	Poisoning by drugs, medications and biological substances	Count	46	6.9%	48	7.2%	29	4.7%	42	6.3%	44	6.5%	60	9.8%	21	3.5%	35	7.2%	47	6.8%	40	6.2%	40	5.1%
	Percent	6.9%	7.2%	4.7%	6.3%	6.5%	9.8%	3.5%	7.2%	6.8%	6.2%	7.6%	7.6%	6.2%	7.6%	6.2%	7.6%	6.8%	6.2%	7.6%	6.2%	7.6%	7.6%	7.6%
	Poisoning by gases or vapors	Count	32	4.8%	33	4.9%	32	5.2%	26	3.9%	19	2.8%	21	3.4%	31	5.1%	19	3.9%	29	4.2%	25	3.9%	24	3.6%
	Percent	4.8%	4.9%	5.2%	3.9%	2.8%	3.4%	5.1%	3.9%	4.2%	3.9%	4.2%	3.9%	5.1%	3.9%	4.2%	3.9%	4.2%	3.9%	4.2%	3.9%	4.2%	3.6%	3.6%
	Sharp or blunt object	Count	11	1.7%	10	1.5%	11	1.8%	13	2.0%	8	1.2%	9	1.5%	9	1.5%	10	2.1%	8	1.2%	8	1.2%	8	1.5%
	Percent	1.7%	1.5%	1.8%	2.0%	1.2%	1.5%	2.1%	1.2%	1.5%	2.1%	1.2%	1.5%	2.1%	1.2%	1.5%	2.1%	1.2%	1.2%	1.2%	1.2%	1.2%	1.5%	1.5%
	Drowning and submersion	Count	2	0.3%	0	0.0%	1	0.2%	1	0.2%	0	0.0%	0	0.0%	2	0.3%	1	0.2%	1	0.1%	3	0.5%	3	0.4%
	Percent	0.3%	0.0%	0.2%	0.2%	0.0%	0.2%	0.0%	0.2%	0.0%	0.3%	0.2%	0.1%	0.3%	0.2%	0.1%	0.2%	0.1%	0.1%	0.5%	0.5%	0.3%	0.3%	0.3%
	Other specified and unspecified means	Count	15	2.3%	12	1.8%	11	1.8%	9	1.4%	17	2.5%	9	1.5%	17	2.8%	14	2.9%	19	2.7%	24	3.7%	18	2.7%
	Percent	2.3%	1.8%	1.8%	1.4%	2.5%	1.5%	2.8%	1.4%	2.5%	1.5%	2.8%	2.9%	2.7%	2.9%	2.7%	2.9%	2.7%	2.7%	3.7%	3.7%	2.7%	2.7%	2.7%
Female	Total	Count	153	100%	187	100%	143	100%	148	100%	171	100%	160	100%	133	100%	115	100%	163	100%	160	100%	180	100%
	Percent	50.3%	48.7%	53.8%	50.0%	46.2%	40.6%	40.6%	40.9%	47.9%	40.6%	40.6%	40.9%	47.9%	40.6%	40.9%	47.9%	40.6%	47.9%	38.8%	38.8%	33.9%	33.9%	33.9%
	Hanging, strangulation or suffocation	Count	19	12.4%	13	7.0%	18	12.6%	17	11.5%	25	14.6%	30	18.8%	20	15.0%	13	11.3%	17	10.4%	30	18.8%	30	16.7%
	Percent	12.4%	7.0%	12.6%	11.5%	14.6%	18.8%	15.0%	11.3%	10.4%	18.8%	16.7%	18.8%	16.7%	15.0%	11.3%	10.4%	11.3%	10.4%	18.8%	18.8%	16.7%	16.7%	16.7%
	Poisoning by drugs, medications and biological substances	Count	38	24.8%	65	34.8%	31	21.7%	38	25.7%	48	28.1%	45	28.1%	38	28.6%	41	35.7%	53	32.5%	53	33.1%	53	35.6%
	Percent	24.8%	34.8%	21.7%	25.7%	28.1%	28.1%	28.6%	35.7%	32.5%	33.1%	35.6%	33.1%	35.6%	28.6%	35.7%	32.5%	33.1%	32.5%	33.1%	33.1%	35.6%	35.6%	35.6%
	Poisoning by gases or vapors	Count	12	7.8%	10	5.3%	6	4.2%	9	6.1%	10	5.8%	9	5.6%	10	7.5%	8	7.0%	8	4.9%	8	5.6%	9	5.6%
	Percent	7.8%	5.3%	4.2%	6.1%	5.8%	5.6%	7.5%	7.0%	4.9%	5.6%	5.6%	7.5%	7.0%	4.9%	4.9%	5.6%	4.9%	5.6%	5.6%	5.6%	5.6%	5.6%	
	Sharp or blunt object	Count	3	2.0%	3	1.6%	4	2.8%	1	0.7%	1	0.6%	2	1.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	2.2%
	Percent	2.0%	1.6%	2.8%	0.7%	0.6%	1.3%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	2.2%
	Drowning and submersion	Count	2	1.3%	1	0.5%	1	0.7%	2	1.4%	1	0.6%	2	1.3%	1	0.8%	0	0.0%	4	2.5%	1	0.6%	5	2.8%
	Percent	1.3%	0.5%	0.7%	1.4%	0.6%	1.3%	0.8%	2.5%	2.5%	0.6%	2.5%	0.6%	0.8%	0.0%	0.0%	2.5%	2.5%	2.5%	0.6%	0.6%	2.8%	2.8%	
	Other specified and unspecified means	Count	2	1.3%	4	2.1%	6	4.2%	7	4.7%	7	4.1%	7	4.4%	10	7.5%	6	5.2%	3	1.8%	5	3.1%	6	3.3%
	Percent	1.3%	2.1%	4.2%	4.7%	4.1%	4.4%	7.5%	5.2%	1.8%	3.1%	3.3%	3.3%	5.2%	5.2%	1.8%	1.8%	1.8%	3.1%	3.1%	3.1%	3.3%	3.3%	

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 2000-2004 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999. Modified counts for 2001 are not available. See Preface.

**TABLE 3-14
SUICIDE MORTALITY BY MEANS OF INJURY AND AGE GROUP, ARIZONA RESIDENTS, 2004**

Means of injury:	Total	< 15	15-19	20-24	25-34	35-44	45-54	55-64	65+
Poisoning by drugs, medications and biological substances (X60 - X64)	115	0	4	7	14	23	42	14	11
Poisoning by alcohol (X65)	0	0	0	0	0	0	0	0	0
Poisoning by gases or vapors (X66 and X67)	33	0	1	2	4	10	8	3	5
Poisoning by pesticides, other and unspecified chemicals and noxious substances (X68 and X69)	1	0	0	0	0	0	0	1	0
Hanging, strangulation or suffocation (X70)	157	2	18	25	39	40	19	6	8
Drowning and submersion (X71)	7	0	0	1	1	0	0	0	3
Firearm discharge (X72-X7)	498	0	25	52	64	86	86	59	126
Explosives (X75)	0	0	0	0	0	0	0	0	0
Smoke, fire, flames (X76)	4	0	0	0	2	1	1	0	0
Steam, hot vapours and hot objects (X77)	0	0	0	0	0	0	0	0	0
Sharp or blunt object (X78 and X79)	19	0	0	0	6	0	8	4	1
Jumping from a high place (X80)	6	0	0	1	1	2	2	0	0
Jumping or lying before a moving object (X81)	10	0	1	0	1	2	4	2	0
Crashing of motor vehicle (X82)	0	0	0	0	0	0	0	0	0
Other specified means (X83)	3	0	0	0	0	1	1	1	0
Unspecified means (X84)	0	0	0	0	0	0	0	0	0
Total	854	2	49	88	133	165	171	92	154

**TABLE 3-15
SUICIDES AMONG ARIZONA RESIDENTS BY RACE/ETHNICITY, AGE GROUP AND YEAR,
A SUMMARY TABLE WITH TOTALS FOR 1994-2004**

All groups	TOTAL											
	1994-2004	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<15	90	9	11	7	7	10	6	6	9	12	8	2
15-19	539	62	52	56	75	50	36	41	40	39	39	49
20-24	829	108	71	72	72	70	49	83	46	84	86	88
25-34	1,606	170	193	153	156	165	143	111	98	150	134	133
35-44	1,798	161	190	167	185	190	158	145	113	149	175	165
45-54	1,409	102	105	109	107	134	129	133	125	158	136	171
55-64	780	63	65	52	53	67	90	61	56	98	83	92
65+	1,659	141	170	144	154	156	160	157	113	165	145	154
65-74	690	72	78	58	67	58	49	72	48	67	59	62
75-84	711	48	73	57	67	71	84	59	51	73	59	69
85+	258	21	19	29	20	27	27	26	14	25	27	23
Unknown	7	0	1	2	1	3	2	0	0	0	1	0
TOTAL	8,717	816	858	762	810	845	773	737	600	855	807	854
White non-Hispanic	48	5	7	4	4	4	2	5	2	6	4	2
<15	299	36	33	34	38	27	17	26	17	23	21	27
15-19	477	65	45	43	45	42	32	38	23	43	47	54
20-24	1,087	123	143	106	115	111	86	77	67	97	82	80
25-34	1,463	133	158	140	157	163	114	114	90	124	135	135
35-44	1,234	83	96	101	94	122	110	118	107	140	119	144
45-54	715	58	61	50	48	62	79	55	52	94	79	78
55-64	1,568	139	161	136	143	148	147	153	104	157	138	142
65-74	641	71	72	52	61	53	45	69	43	64	55	56
75-84	675	47	70	55	62	69	78	58	47	69	57	63
85+	252	21	19	29	20	26	24	26	14	24	26	23
Unknown	4	0	0	1	1	3	2	0	0	0	0	0
TOTAL	6,895	642	704	615	645	682	589	586	462	684	624	662
Hispanic or Latino	13	1	1	1	1	3	2	0	1	3	0	0
<15	132	16	12	13	24	14	13	8	7	10	6	9
15-19	226	30	18	20	12	17	9	31	15	25	22	27
20-24	290	21	27	22	22	28	33	23	20	31	31	32
25-34	194	16	19	19	12	17	28	15	12	14	24	18
35-44	103	10	6	3	4	10	9	9	13	10	15	14
45-54	40	3	2	1	4	2	5	3	3	3	3	11
55-64	58	1	4	7	7	7	7	3	2	7	4	9
65-74	32	1	3	5	3	5	2	2	2	2	2	5
75-84	22	0	1	2	4	1	4	1	0	4	1	4
85+	4	0	0	0	0	1	1	0	0	1	1	0
TOTAL	1,056	98	89	86	86	98	106	92	73	103	105	120

**TABLE 3-15
SUICIDES AMONG ARIZONA RESIDENTS BY RACE/ETHNICITY, AGE GROUP AND YEAR,
A SUMMARY TABLE WITH TOTALS FOR 1994-2004**

	TOTAL 1994- 2004	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Black or African American												
<15	3	0	2	0	0	0	0	0	0	0	0	1
15-19	17	1	4	1	3	1	0	3	1	1	0	2
20-24	39	6	2	3	4	2	4	2	2	5	7	2
25-34	47	4	5	6	5	4	5	0	4	4	6	4
35-44	32	2	1	2	3	1	5	1	4	1	7	5
45-54	22	1	2	1	2	2	2	3	3	1	1	4
55-64	5	0	0	0	0	1	0	1	0	0	1	2
65+	10	0	3	0	2	0	3	0	1	0	0	1
65-74	4	0	1	0	1	0	1	0	1	0	0	0
75-84	6	0	2	0	1	0	2	0	0	0	0	1
TOTAL	175	14	19	13	19	11	19	10	15	12	23	20
American Indian or Alaska Native												
<15	23	3	1	2	1	3	1	1	6	3	2	0
15-19	84	8	3	7	10	5	5	4	15	4	12	11
20-24	77	6	5	4	8	9	4	11	5	11	9	5
25-34	161	19	18	18	11	20	17	7	6	16	13	16
35-44	93	9	11	6	10	7	7	13	6	10	7	7
45-54	37	4	1	3	6	0	5	3	2	5	1	7
55-64	11	2	1	1	0	1	3	1	1	0	1	0
65+	13	0	1	1	2	1	1	1	2	1	2	1
65-74	10	0	1	1	2	0	1	1	1	1	2	0
75-84	3	0	0	0	0	1	0	0	1	0	0	1
TOTAL	499	51	41	42	48	46	43	41	43	50	47	47
Asian or Pacific Islander												
<15	2	0	0	0	1	0	0	0	0	0	0	1
15-19	6	1	0	1	0	3	0	0	0	0	0	0
20-24	8	1	1	2	3	0	0	0	1	0	0	0
25-34	20	2	0	1	3	2	2	4	1	2	2	1
35-44	14	1	1	0	3	2	2	2	1	0	2	0
45-54	10	4	0	1	1	0	1	0	0	2	0	1
55-64	6	0	0	0	1	1	2	1	0	0	0	1
65+	7	1	1	0	0	0	0	0	3	0	0	1
65-74	3	0	1	0	0	0	0	0	1	0	0	1
75-84	4	1	0	0	0	0	0	0	2	0	0	0
TOTAL	73	10	3	4	12	8	7	7	6	5	6	4
Other/Unknown race/ethnicity												
<15	1	0	0	0	0	0	1	0	0	0	0	0
15-19	1	0	0	0	0	0	1	0	0	0	0	0
20-24	2	0	0	0	0	0	0	1	0	0	0	0
25-34	1	1	0	0	0	0	0	0	0	0	0	0
35-44	2	0	0	0	0	0	2	0	0	0	0	0
45-54	3	0	0	0	0	0	2	0	0	0	0	1
55-64	3	0	1	0	0	0	1	0	0	1	0	0
65+	3	0	0	0	0	0	2	0	1	0	0	0
65-74	1	0	0	0	0	0	0	0	1	0	0	0
75-84	2	0	0	0	0	0	2	0	0	0	0	0
TOTAL	19	1	2	1	0	0	9	1	1	1	2	1

INTENTIONAL SELF-HARM (SUICIDE), ARIZONA, 1994-2004

Technical Notes

Beginning with the 2000 data year in Arizona (1999 nationally) two major changes have occurred that affect the computation of mortality rates 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. The new set of age-adjustment weights uses the year 2000 U.S. population as a standard.

Both changes have profound effects on the comparability of mortality data and continuity in statistical trends. Age-adjusted rates can only be compared to other age-adjusted rates that use the same population standard. In this report, ALL age-adjusted mortality rates are based on the (new) 2000 standard, and they CANNOT BE compared to rates using the 1940 standard population. This is because the age structures of the 1940 and year 2000 populations differ. From 1940 to 2000 the U.S. population "aged" considerably. The age-adjusted rates based on the year 2000 standard are different because the year 2000 population standard, which has an older age structure, gives more weight than the 1940 standard to death rates at older ages where mortality is higher.

Breaks in comparability of mortality statistics effective with deaths occurring in 2000 also result from the implementation of ICD-10. ICD-10 is far more detailed than ICD-9, with about 8,000 categories compared with about 5,000 categories. Some of the coding rules and rules for selecting the underlying cause of death have been changed. Fortunately, the comparability ratio for suicide (a measure of comparison between ICD-9 and ICD-10) is close to 1.0 (.9982), and this indicates that the same number of deaths would be assigned to suicide when ICD-9 or ICD-10 was used.

However, 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 and the implementation of ICD-10, 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 intentional self-harm (suicide), drug-induced deaths and accidental discharge of firearms:

Data year	1999	2000	2001	2002	2003	2004
Drug-induced deaths	543	331	577	645	646	745
Suicide	773	737	600	855	807	854
Suicide by firearms	495	486	358	544	476	498
Suicide by drugs	105	59	76	100	93	115
Accidental discharge of firearms	7	11	114	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. Computerized coding of the underlying cause of death also affected the number of drug-induced deaths in 2000, as well as the number of suicides by drug poisoning in both 2000 and 2001.

The suicide statistics for 2000-2001, both numbers and rates, should be used with caution. Whenever available, the originally reported data for 2001 have been supplemented with a bit more realistic statistical information from the WISQARS (Web-based Injury Statistics Query and Reporting System) site at <http://www.cdc.gov/ncipc/wisqars/>.