

INJURY MORTALITY AMONG ARIZONA RESIDENTS



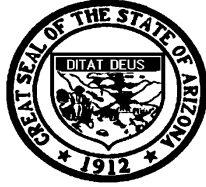
2. ACCIDENTS (UNINTENTIONAL INJURY)

ARIZONA, 1993-2003

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



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Injury Mortality Among Arizona Residents

**ACCIDENTS
(UNINTENTIONAL INJURY)
ARIZONA, 1993-2003**

BY

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December 2004

Acknowledgment

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ACCIDENTS (UNINTENTIONAL INJURY), ARIZONA, 1993-2003

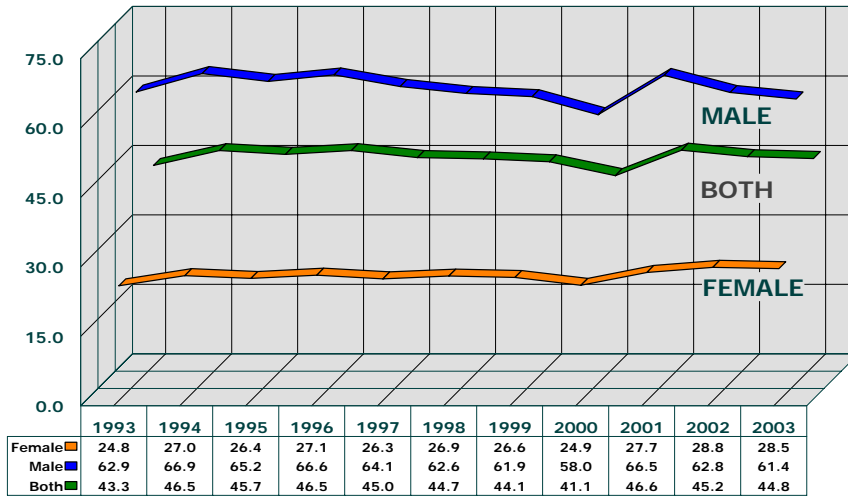
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KEY FINDINGS

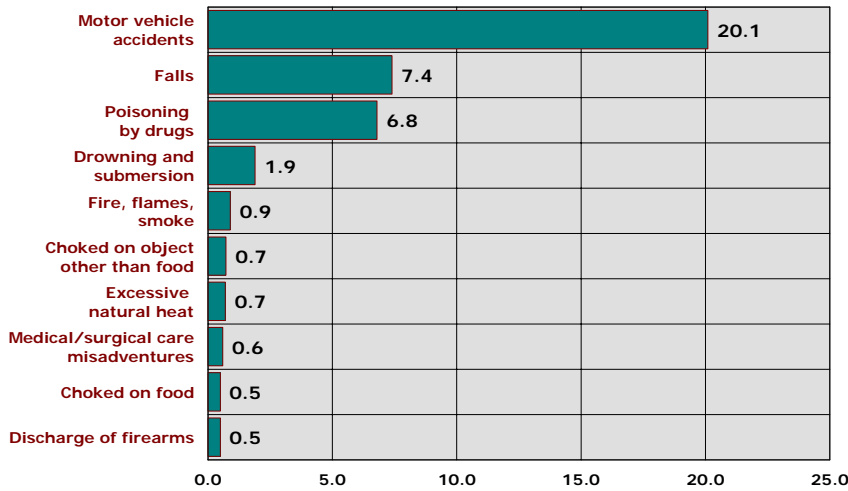
Figure 2-1
Age-Adjusted Mortality Rates for Accidents
(unintentional injuries) by Gender and Year,
Arizona, 1993-2003



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

The 2003 mortality rate for accidental (unintentional) injuries barely differed from the 1993 rate for males (61.6 and 62.9 deaths per 100,000, respectively). (Figure 2-1). Among females, the 2002-2003 mortality rates for unintentional injuries were higher than annual rates in nine earlier years.

Figure 2-2
Average Annual* Mortality Rates for Leading Causes of
Accidental (unintentional) Injury, Arizona, 1993-2003



*Number of deaths from specified cause per 100,000 population per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as the denominators.

The leading causes of accidental (unintentional) injury are the ten causes with the greatest number of deaths over the 1993-2003 period. Motor vehicle accidents, followed by falls, poisoning by drugs, medicaments and biological substances, drowning/submersion, and exposure to smoke, fire and flames have remained the top five leading causes of accidental injury death in Arizona (Figure 2-2, Table 2-1), as they were in 1990-2000.

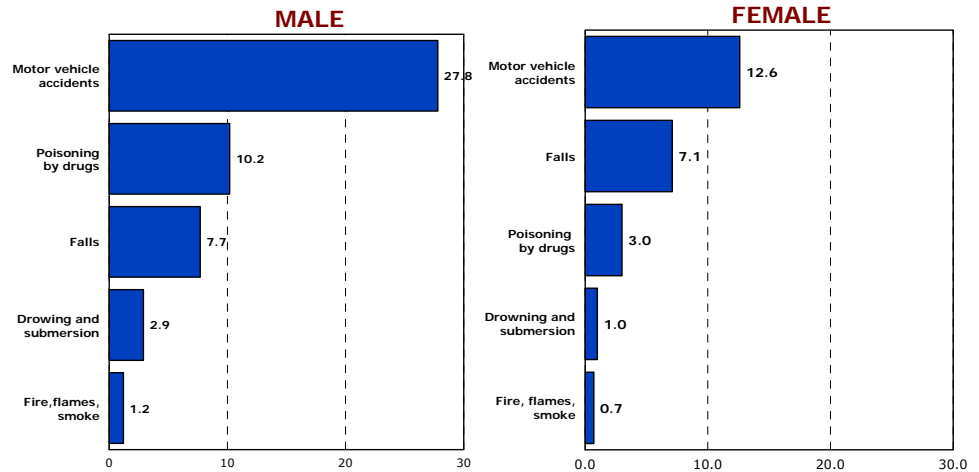
Choking on object other than food was the sixth leading cause of unintentional injury death, followed by exposure to excessive natural heat and misadventures to patients during medical/surgical care.

ACCIDENTS (UNINTENTIONAL INJURY), ARIZONA, 1993-2003

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In 1993-2003, the average-annual death rate for *motor vehicle accidents* among Arizona males was 2.2 times greater than that for females (Figure 2-3, Tables 2-2 and 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 submersion* and *fire, flames and smoke*, were the same for both males and females.

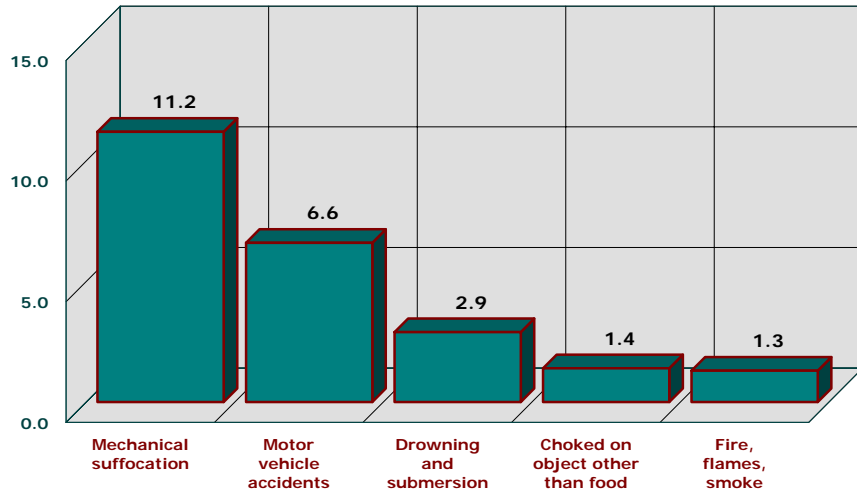
Figure 2-3
Average-Annual* Mortality Rates for Accidental (unintentional) Injury by Gender, Arizona, 1993 - 2003



*Number of deaths from specified cause per 100,000 population per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as the denominators.

Figure 2-4
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Infants, Arizona, 1993-2003

The top five causes of unintentional injury death among infants (<1 year of age) for 1993-2003 were *mechanical suffocation*, *motor vehicle accidents*, *drowning*, *choking on object other than food*, and *fire, flames and smoke* (Figure 2-4, Table 2-4).

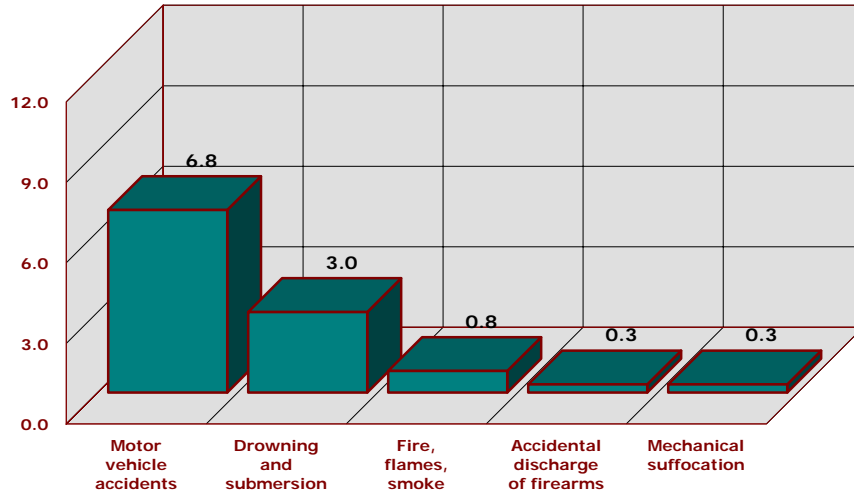


*Number of deaths from specified cause per 100,000 births per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 birth count (i.e., population at mid-point) multiplied by eleven was used as the denominator.

ACCIDENTS (UNINTENTIONAL INJURY), ARIZONA, 1993-2003

KEY FINDINGS

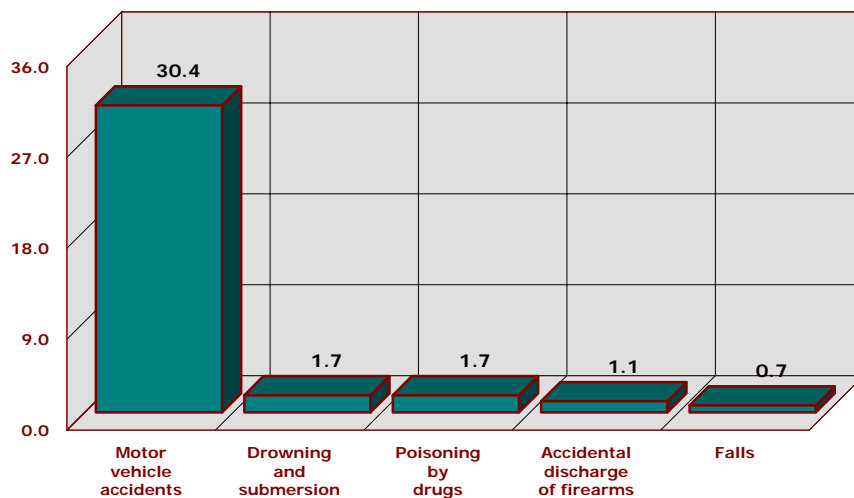
Figure 2-5
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Children (1-14 Years Old), Arizona, 1993-2003



*Number of deaths from specified cause per 100,000 population per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Among children 1-14 years old, the average annual mortality rate for *motor vehicle crashes* (6.8 deaths per 100,000) was 2.2 times greater in 1993-2003 than the rate for *drowning* (3.1/100,000). During 1993-2003, *accidental discharge of firearms* posed the same mortality risk as *mechanical suffocation* (0.3/100,000; **Figure 2-5**).

Figure 2-6
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Adolescents (15-19 Years Old), Arizona, 1993-2003



*Number of deaths from specified cause per 100,000 population per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

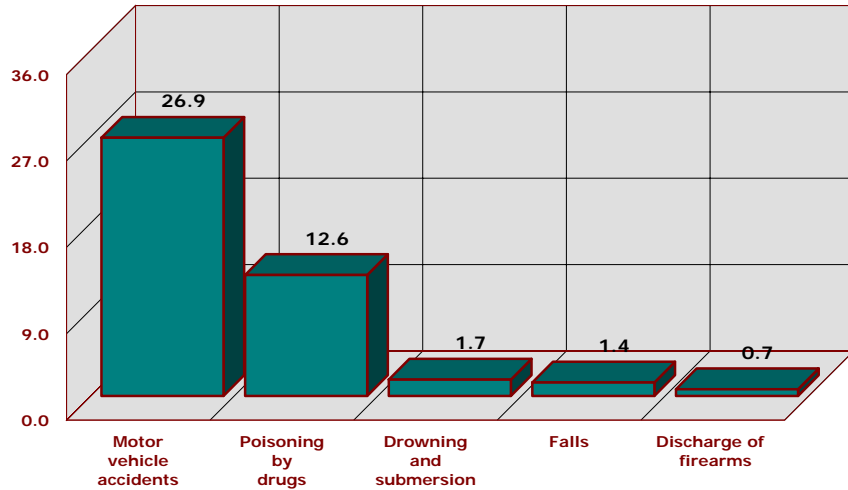
The leading cause of unintentional injury death among adolescents 15-19 years old were *motor vehicle accidents* which accounted for 85.4 percent of all accidental fatalities among Arizona adolescents in 1993-2003 (**Figure 2-6, Table 2-6**). The average annual motor vehicle fatality rate of 30.4 deaths per 100,000 adolescents per year was the highest rate among the age groups.

ACCIDENTS (UNINTENTIONAL INJURY), ARIZONA, 1993-2003

KEY FINDINGS

The average annual mortality rate for *accidental poisoning by drugs* among young adults 20-44 years old (**Figure 2-7, table 2-7**) was the highest rate among the age groups at 12.6 per 100,000 population. Drug overdoses accounted for 29.1 percent of all fatal unintentional injuries in this group between 1993 and 2003.

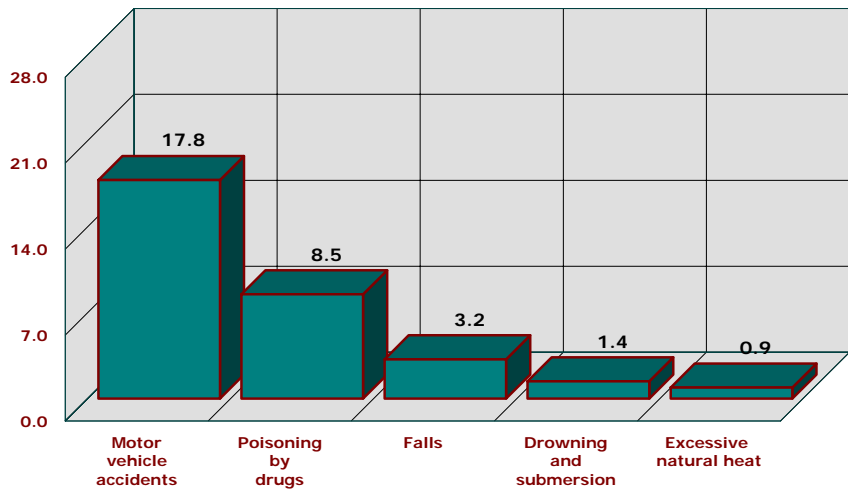
Figure 2-7
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Young Adults (20-44 Years Old), Arizona, 1993-2003



*Number of deaths from specified cause per 100,000 population per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Excessive natural heat ranked fifth among the leading causes of unintentional injury death for middle-aged adults 45-64 years old (**Figure 2-8, table 2-8**), but it did not rank in the top five for any other age group.

Figure 2-8
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Middle-Aged Adults (45-64 Years Old), Arizona, 1993-2003

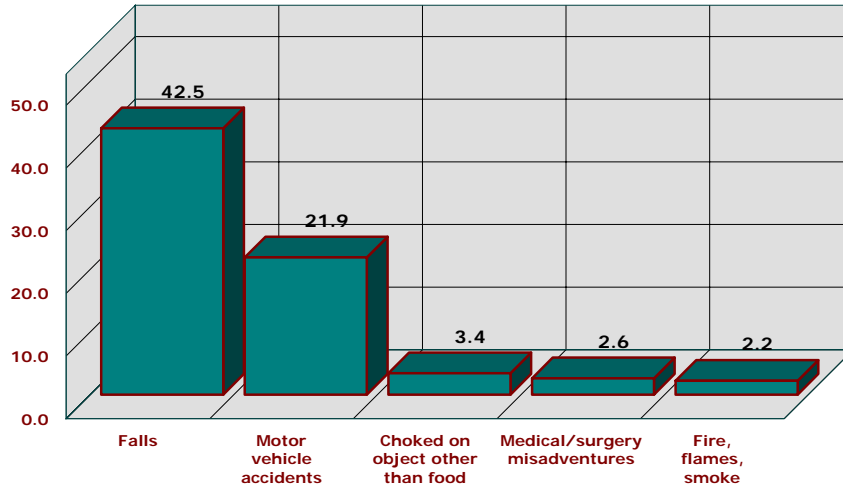


*Number of deaths from specified cause per 100,000 population per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

ACCIDENTS (UNINTENTIONAL INJURY), ARIZONA, 1993-2003

KEY FINDINGS

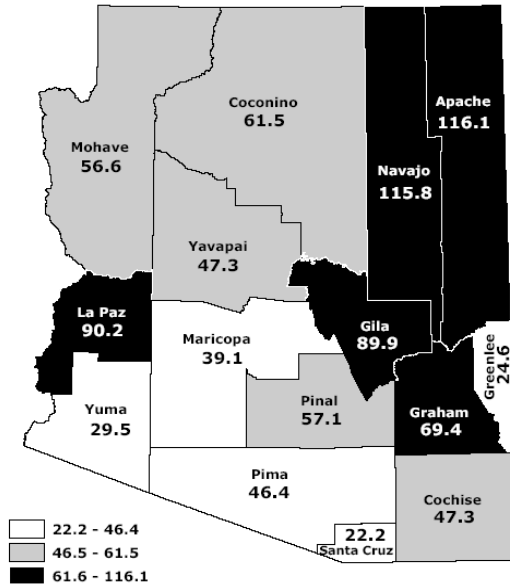
Figure 2-9
Average-Annual* Mortality Rates for the Five Leading Causes of Accidental (unintentional) Injury Among Elderly (65 Years or Older), Arizona, 1993-2003



During 1993-2003, *falls* were the leading cause of unintentional injury death among elderly 65 years or older (Figure 2-9, Table 2-9). Deaths due to exposure to *fire, flames and/or smoke* 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 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as denominators.

Figure 2-10
Age-Adjusted Mortality Rates for Accidents (unintentional injuries) by County of Residence, Arizona, 2003



In 2003, the age-adjusted mortality rates for all accidents ranged from a low of 22.2/100,000 in Santa Cruz County to a high of 116.1/100,000 in Apache County (Figure 2-10).

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

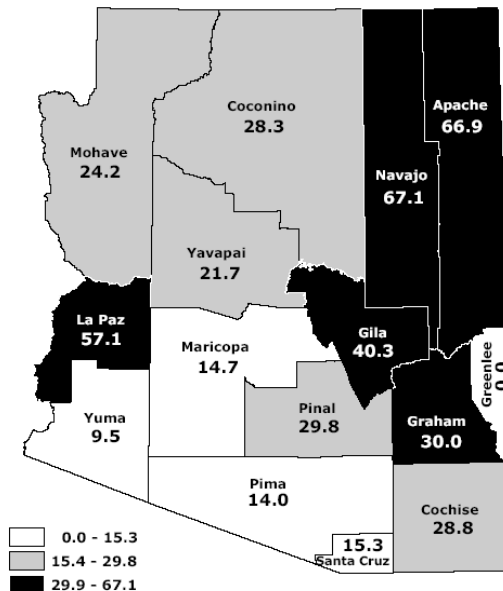
ARIZONA RATE = 44.8

ACCIDENTS (UNINTENTIONAL INJURY), ARIZONA, 1993-2003

KEY FINDINGS

Figure 2-11
Age-Adjusted Mortality Rates for Motor Vehicle Accidents
by County of Residence, Arizona, 2003

The age-adjusted mortality rates for motor vehicle accidents in 2003 ranged from a low of 10 (9.5) deaths per 100,000 residents of Yuma County to a high of 67.1 deaths per 100,000 residents of Apache County (Figure 2-11).



NUMBER OF DEATHS PER 100,000 POPULATION
(age-adjusted to 2000 standard)
ARIZONA RATE = 18.0

Figure 2-12 shows variation across race/ethnic groups in the five leading causes of unintentional injury mortality. The race/ethnic groups share most of the leading causes in common (*motor vehicle accidents, poisoning by drugs, drowning, smoke, fire and flames*). For Asians, deaths due to *accidental discharge of firearms* ranked fourth, but they were not ranked in the five by any other race/ethnic group. 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.

Figure 2-12
Average Annual* Mortality Rates for the Five Leading
Causes of Accidental (unintentional) Injury by
Race/Ethnicity, Arizona, 1993-2003

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Motor vehicle accident 10.9	Motor vehicle accident 68.2	Motor vehicle accident 16.6	Motor vehicle accident 22.0	Motor vehicle accident 16.8
2	Fall 1.9	Fall 6.5	Poisoning by drugs 10.5	Poisoning by drugs 6.5	Fall 9.6
3	Drowning 1.5	Poisoning by drugs 5.9	Fall 2.4	Fall 3.1	Poisoning by drugs 6.8
4	Accidental discharge of firearms 0.5	Excessive natural cold 4.1	Drowning 2.4	Drowning 2.0	Drowning 1.8
5	Poisoning by drugs 0.4	Drowning 3.9	Smoke, fire, flames 1.3	Smoke, fire, flames 0.8	Smoke, fire, flames 0.9

*Number of deaths from specified cause per 100,000 population per year from 1993 to 2003. The rates were computed using an 11-year total number of deaths for 1993-2003. The 1998 population figures (i.e., population at mid-point) multiplied by eleven were used as the denominators.

TABLE 2-1
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	1,686	1,879	1,973	2,091	2,104	2,182	2,192	2,087	2,430	2,416	2,466
Railway accidents	7	18	19	21	18	14	6	13	9	3	10
Motor vehicle accidents	817	897	1,023	1,051	972	1,001	980	896	908	1,003	1,005
Water transport accidents	6	9	4	5	7	6	7	6	6	4	1
Accidents involving aircraft	16	29	19	26	27	17	16	20	9	19	23
Poisoning by drugs/medicaments	153	224	221	268	289	362	383	230	414	458	447
Poisoning by gases and vapors	26	22	30	28	27	28	31	20	32	24	18
Falls	248	263	237	286	359	352	404	374	445	448	469
Fire, flames, smoke	53	60	45	42	43	36	45	46	49	41	42
Excessive natural heat	15	41	49	38	20	51	35	23	21	35	40
Excessive natural cold	19	18	9	13	22	19	15	15	20	15	15
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	1	1	0	0
Contact with venomous spiders	0	0	0	1	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	1	1	0
Contact with hornets, wasps, bees	0	0	1	0	1	0	0	0	0	0	0
Bitten or struck by dog	0	1	0	1	0	0	1	1	1	0	1
Lightning	1	3	3	2	0	3	5	2	0	0	2
Storms and floods	1	0	0	0	1	2	0	0	3	0	4
Accidental drowning and submersion	101	79	107	97	98	99	88	94	89	70	88
Choked on food	17	21	29	27	29	31	38	35	20	18	41
Choked on other objects	47	30	20	23	29	31	22	34	32	54	59
Mechanical suffocation	21	22	26	17	22	22	28	19	57	23	25
Accidental discharge of firearms	33	22	28	12	17	16	7	11	*NA	26	13
Exposure to electric current	6	11	12	11	9	5	6	7	5	6	4
Overexertion	0	1	0	1	1	0	0	0	0	0	1
Adverse effects of drugs in therapeutic use	9	9	8	9	7	5	3	3	6	9	6
Misadventures to patients during medical/surgical care	15	25	20	24	20	13	17	43	44	46	49

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-2

ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG MALES, ARIZONA RESIDENTS, 1993-2003

	1,993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	1,170	1,303	1,371	1,453	1,450	1,477	1,481	1,407	1,665	1,593	1,617
Railway accidents	6	18	18	17	17	14	5	12	9	3	8
Motor vehicle accidents	553	624	698	729	666	664	680	617	638	684	689
Water transport accidents	6	7	4	2	6	6	5	4	4	2	1
Accidents involving aircraft	12	24	18	21	20	16	13	19	8	16	20
Poisoning by drugs/medicaments	122	171	181	220	237	287	304	184	305	334	313
Poisoning by gases and vapors	23	20	20	24	23	21	27	13	21	15	13
Falls	142	137	122	143	186	168	201	201	243	234	235
Fire, flames, smoke	32	43	26	24	30	24	23	31	26	25	28
Excessive natural heat	12	33	37	32	15	43	23	17	14	25	27
Excessive natural cold	17	14	5	12	20	18	12	11	17	14	15
Contact with venomous snakes and lizards	0	0	0	0	0	0	1	1	0	0	0
Contact with venomous spiders	0	0	0	1	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	1	0
Contact with hornets, wasps, bees	0	0	1	0	1	0	0	0	0	0	0
Bitten or struck by dog	0	1	0	0	0	0	0	1	1	0	0
Lightning	0	3	2	2	0	2	4	1	0	0	1
Storms and floods	0	0	0	0	1	2	0	0	3	0	3
Accidental drowning and submersion	80	52	87	69	72	78	66	68	62	48	72
Choked on food	10	13	18	18	14	24	20	26	11	8	27
Choked on other objects	32	17	9	11	15	17	12	18	18	32	31
Mechanical suffocation	16	15	20	13	20	14	19	17	44	18	16
Accidental discharge of firearms	27	21	27	12	14	14	7	9	*NA	23	8
Exposure to electric current	5	10	12	10	9	4	5	7	5	6	4
Overexertion	0	1	0	0	1	0	0	0	0	0	1
Adverse effects of drugs in therapeutic use	6	3	4	5	4	1	2	1	3	3	4
Misadventures to patients during medical/surgical care	10	15	10	11	14	5	10	23	21	20	24

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-3
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG FEMALES, ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	516	576	602	638	654	705	711	680	765	823	849
Railway accidents	1	0	1	4	1	0	1	1	0	0	2
Motor vehicle accidents	264	273	325	322	306	337	300	279	270	319	316
Water transport accidents	0	2	0	3	1	0	2	2	2	2	0
Accidents involving aircraft	4	5	1	5	7	1	3	1	1	3	3
Poisoning by drugs/medicaments	31	53	40	48	52	75	79	46	109	124	134
Poisoning by gases and vapors	3	2	10	4	4	7	4	7	11	9	5
Falls	106	126	115	143	173	184	203	173	202	214	234
Fire, flames, smoke	21	17	19	18	13	12	22	15	23	16	14
Excessive natural heat	3	8	12	6	5	8	12	6	7	10	13
Excessive natural cold	2	4	4	1	2	1	3	4	3	1	0
Contact with venomous snakes and lizards	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
Contact with scorpions	0	0	0	0	0	0	0	1	1	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	1	0	0	1	0	0	0	1
Lightning	1	0	1	0	0	1	1	1	0	0	1
Storms and floods	1	0	0	0	0	0	0	0	0	0	1
Accidental drowning and submersion	21	27	20	28	26	21	22	26	27	22	16
Choked on food	7	8	11	9	15	7	18	9	9	10	14
Choked on other objects	15	13	11	12	14	14	10	16	14	22	28
Mechanical suffocation	5	7	6	4	2	8	9	2	13	5	9
Accidental discharge of firearms	6	1	1	0	3	2	0	2	*NA	3	5
Exposure to electric current	1	1	0	1	0	1	1	0	0	0	0
Overexertion	0	0	0	1	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	3	6	4	4	3	4	1	2	3	6	2
Misadventures to patients during medical/surgical care	5	10	10	13	6	8	7	20	23	26	25

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-4
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG INFANTS, ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	18	32	14	23	18	14	26	15	25	21	23
Railway accidents	0	0	0	0	0	0	0	0	1	0	0
Motor vehicle accidents	5	4	6	7	3	5	7	6	6	4	4
Water transport accidents	0	0	0	0	0	0	1	0	0	0	0
Accidents involving aircraft	0	0	0	0	0	0	0	0	0	0	0
Poisoning by drugs/medicaments	0	0	0	0	0	0	0	1	0	1	0
Poisoning by gases and vapors	0	0	0	0	0	0	0	0	0	0	0
Falls	1	1	0	1	1	0	0	1	0	0	0
Fire, flames, smoke	1	2	0	1	0	0	2	0	3	1	1
Excessive natural heat	0	1	0	0	0	0	0	0	0	0	1
Excessive natural cold	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
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	0	1	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	1	0	0	0	0	0	0	0
Lightning	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
Accidental drowning and submersion	1	4	3	4	2	1	1	3	2	4	0
Choked on food	0	1	1	1	0	0	0	0	0	0	4
Choked on other objects	1	2	0	0	4	0	0	0	2	2	1
Mechanical suffocation	7	14	4	8	8	8	15	4	9	9	10
Accidental discharge of firearms	0	0	0	0	0	0	0	0	0	0	0
Exposure to electric current	0	0	0	0	0	0	0	0	0	0	0
Overexertion	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
Misadventures to patients during medical/surgical care	1	3	0	1	1	0	0	0	0	0	0

**TABLE 2-5
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG CHILDREN (1-14 YEARS OLD),
ARIZONA RESIDENTS, 1993-2003**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	144	127	161	140	145	125	99	116	129	97	107
Railway accidents	0	1	0	1	1	0	0	1	0	0	0
Motor vehicle accidents	67	57	81	82	81	64	59	62	59	55	63
Water transport accidents	1	1	1	1	1	1	1	1	0	1	0
Accidents involving aircraft	0	0	0	1	0	0	0	0	1	0	0
Poisoning by drugs/medicaments	2	0	1	0	2	0	1	0	3	2	0
Poisoning by gases and vapors	3	0	0	1	4	0	2	2	0	2	1
Falls	4	2	2	0	2	1	0	0	2	2	1
Fire, flames, smoke	9	23	14	8	1	7	8	4	7	2	4
Excessive natural heat	2	0	0	1	1	1	0	1	1	0	3
Excessive natural cold	0	0	0	2	0	0	0	1	0	0	0
Contact with venomous snakes and lizards	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
Contact with scorpions	0	0	0	0	0	0	0	0	0	1	0
Contact with hornets, wasps, bees	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
Lightning	0	0	0	0	0	0	0	0	0	0	0
Storms and floods	0	0	0	0	0	1	0	0	1	0	2
Accidental drowning and submersion	31	28	39	28	32	33	22	30	34	22	24
Choked on food	1	2	3	4	0	3	1	2	3	0	1
Choked on other objects	3	2	1	1	0	3	3	0	4	0	2
Mechanical suffocation	4	0	6	1	6	4	0	2	4	3	4
Accidental discharge of firearms	9	5	6	2	4	3	0	1	3	3	0
Exposure to electric current	0	0	0	0	2	0	1	1	1	0	0
Overexertion	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
Misadventures to patients during medical/surgical care	0	0	0	0	1	0	0	1	2	2	0

TABLE 2-6
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ADOLESCENTS (15-19 YEARS OLD),
ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	125	115	147	142	113	131	122	132	143	144	140
Railway accidents	1	1	0	1	2	0	1	0	0	0	1
Motor vehicle accidents	98	94	114	114	86	106	100	101	100	110	105
Water transport accidents	0	3	0	1	2	0	0	0	1	0	0
Accidents involving aircraft	0	0	0	0	2	2	0	0	0	1	1
Poisoning by drugs/medicaments	1	3	5	3	6	5	5	3	8	12	13
Poisoning by gases and vapors	3	0	4	1	3	1	4	1	2	0	2
Falls	2	2	2	4	1	1	1	3	3	3	3
Fire, flames, smoke	1	1	2	1	2	0	1	0	4	2	0
Excessive natural heat	0	0	1	0	0	3	0	0	0	0	0
Excessive natural cold	1	2	0	0	0	0	0	1	0	1	1
Contact with venomous snakes and lizards	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
Contact with scorpions	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
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	0
Lightning	0	0	0	1	0	0	0	1	0	0	1
Storms and floods	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	5	5	8	7	9	4	2	7	5	6	4
Choked on food	0	0	0	0	0	1	1	1	0	0	1
Choked on other objects	1	0	1	0	0	0	1	0	0	0	0
Mechanical suffocation	0	1	2	0	0	2	3	0	4	0	0
Accidental discharge of firearms	10	2	4	4	2	2	0	1	*NA	5	3
Exposure to electric current	0	1	1	1	0	0	0	0	0	0	0
Overexertion	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	1
Misadventures to patients during medical/surgical care	0	0	0	0	0	0	0	0	0	0	1

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

**TABLE 2-7
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG YOUNG ADULTS (20-44 YEARS OLD),
ARIZONA RESIDENTS, 1993-2003**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	693	811	877	898	874	908	858	706	932	850	896
Railway accidents	5	13	16	15	12	9	1	10	5	3	6
Motor vehicle accidents	391	435	491	503	472	478	439	384	444	433	479
Water transport accidents	2	3	2	2	3	2	4	3	4	3	0
Accidents involving aircraft	11	12	8	15	11	4	8	10	3	7	9
Poisoning by drugs/medicaments	118	179	171	204	205	259	269	135	259	271	258
Poisoning by gases and vapors	12	13	13	14	11	15	11	7	15	8	10
Falls	19	27	27	27	26	21	27	19	20	30	22
Fire, flames, smoke	14	14	9	8	20	10	11	14	12	7	6
Excessive natural heat	2	8	15	6	7	15	6	6	1	11	6
Excessive natural cold	7	5	4	3	10	7	6	2	7	3	10
Contact with venomous snakes and lizards	0	0	0	0	0	0	1	0	0	0	0
Contact with venomous spiders	0	0	0	1	0	0	0	0	0	0	0
Contact with scorpions	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
Bitten or struck by dog	0	1	0	0	0	0	0	0	0	0	0
Lightning	1	2	1	1	0	2	2	0	0	0	1
Storms and floods	1	0	0	0	1	1	0	0	0	0	1
Accidental drowning and submersion	38	24	40	32	33	30	27	26	25	17	29
Choked on food	1	7	7	5	7	5	5	4	3	3	4
Choked on other objects	5	5	2	3	7	3	2	2	2	0	4
Mechanical suffocation	7	4	7	4	6	3	8	7	25	6	5
Accidental discharge of firearms	13	10	18	6	6	10	7	5	*NA	9	4
Exposure to electric current	3	9	6	7	2	4	4	4	2	3	2
Overexertion	0	1	0	0	1	0	0	0	0	0	1
Adverse effects of drugs in therapeutic use	2	1	1	2	0	1	1	0	3	1	0
Misadventures to patients during medical/surgical care	3	8	3	3	3	3	0	0	3	2	4

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-8
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG MIDDLE-AGED ADULTS (45-64 YEARS OLD),
ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	266	327	319	348	380	412	469	457	491	548	540
Railway accidents	1	3	1	1	2	2	1	0	2	0	2
Motor vehicle accidents	126	158	167	179	168	185	214	196	161	234	221
Water transport accidents	3	2	0	1	1	3	1	2	0	0	1
Accidents involving aircraft	5	13	9	6	14	8	6	8	5	10	10
Poisoning by drugs/medicaments	30	36	39	53	70	93	101	78	134	159	164
Poisoning by gases and vapors	8	6	9	8	9	10	14	6	11	9	4
Falls	22	28	25	22	38	31	39	46	45	40	26
Fire, flames, smoke	8	9	10	8	8	7	10	10	9	8	9
Excessive natural heat	7	13	11	12	4	15	9	5	8	10	13
Excessive natural cold	3	9	1	4	6	5	4	5	8	6	2
Contact with venomous snakes and lizards	0	0	0	0	0	0	0	1	0	0	0
Contact with venomous spiders	0	0	0	0	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	1	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	1	1	1	0	0
Lightning	0	1	2	0	0	1	3	0	0	0	0
Storms and floods	0	0	0	0	0	0	0	0	1	0	1
Accidental drowning and submersion	15	9	11	9	10	17	24	14	13	11	20
Choked on food	6	5	7	3	6	9	14	10	0	5	11
Choked on other objects	9	4	4	6	4	6	2	3	7	5	7
Mechanical suffocation	1	0	2	3	1	3	1	3	8	2	5
Accidental discharge of firearms	1	4	0	0	4	1	0	2	*NA	3	2
Exposure to electric current	3	0	3	2	4	0	1	2	1	3	2
Overexertion	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	2	3	2	3	2	1	1	0	0	2	1
Misadventures to patients during medical/surgical care	5	4	4	4	4	2	4	11	10	9	15

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

**TABLE 2-9
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ELDERLY (65 YEARS AND OLDER),
ARIZONA RESIDENTS, 1993-2003**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	438	464	451	523	560	577	603	652	696	752	750
Railway accidents	0	0	1	1	0	1	1	1	1	0	1
Motor Vehicle -Related	130	147	162	162	159	157	156	147	137	167	131
Water transport accident	0	0	1	0	0	0	0	0	1	0	0
Accident involving aircraft	0	4	2	4	0	3	2	2	0	1	3
Poisoning by drugs/medicaments	1	6	5	4	2	4	5	12	8	12	10
Poisoning by gases and vapors	0	3	4	3	0	2	0	4	4	4	1
Falls	200	203	181	232	291	297	337	305	375	373	417
Fire, flames, smoke	20	11	10	16	12	12	13	18	14	21	22
Excessive natural heat	4	18	21	17	7	14	16	10	6	13	15
Excessive natural cold	7	2	4	3	4	7	4	5	4	5	2
Contact with venomous snakes and lizards	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
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	1	0	1	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	1
Lightning	0	0	0	0	0	0	0	1	0	0	0
Storms and floods	0	0	0	0	0	0	0	0	1	0	0
Accidental drowning and submersion	11	9	6	16	9	13	11	12	8	9	10
Choked on food	9	6	11	14	16	13	17	18	14	10	20
Choked on other objects	28	17	12	13	14	19	14	29	17	47	45
Mechanical suffocation	2	3	5	1	1	2	1	3	7	3	1
Accidental discharge of firearms	0	1	0	0	1	0	0	2	*NA	6	4
Exposure to electric current	0	1	2	1	1	1	0	0	1	0	0
Overexertion	0	0	0	1	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	5	5	5	4	5	3	1	3	3	5	4
Misadventures to patients during medical/surgical care	6	10	13	16	11	8	13	31	29	33	28

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-10
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG WHITE NON-HISPANIC RESIDENTS OF
ARIZONA, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	1,059	1,206	1,294	1,291	1,340	1,407	1,357	1,342	1,568	1,601	1,611
Railway accidents	2	8	10	10	9	4	3	5	4	3	2
Motor vehicle accidents	452	540	613	569	546	564	507	469	472	541	535
Water transport accidents	5	7	4	5	7	5	7	6	5	4	1
Accidents involving aircraft	15	27	18	21	24	17	16	19	8	19	21
Poisoning by drugs/medicaments	115	145	156	181	187	248	258	159	292	311	306
Poisoning by gases and vapors	16	13	16	16	14	14	11	13	21	11	9
Falls	211	204	195	242	301	307	335	320	380	387	416
Fire, flames, smoke	28	32	32	23	31	23	28	31	30	26	31
Excessive natural heat	9	29	34	26	11	34	24	17	12	28	18
Excessive natural cold	1	6	2	3	2	4	2	6	13	4	2
Contact with venomous snakes and lizards	0	0	0	0	0	0	1	1	0	0	0
Contact with venomous spiders	0	0	0	1	0	0	0	0	0	0	0
Contact with scorpions	0	0	0	0	0	0	0	1	0	1	0
Contact with hornets, wasps, bees	0	0	1	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	1	0	1	0	0	0	0	0	0	1
Lightning	0	2	1	1	0	1	3	1	0	0	1
Storms and floods	1	0	0	0	1	2	0	0	2	0	2
Accidental drowning and submersion	58	47	64	63	60	63	56	52	57	45	48
Choked on food	12	15	20	13	20	22	28	21	14	16	33
Choked on other objects	36	21	17	15	24	21	16	28	17	47	54
Mechanical suffocation	11	12	18	11	14	9	10	16	30	11	15
Accidental discharge of firearms	19	14	15	5	8	6	3	4	*NA	21	8
Exposure to electric current	2	10	10	9	6	2	4	7	1	3	2
Overexertion	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	7	8	7	5	6	4	3	2	6	9	6
Misadventures to patients during medical/surgical care	10	16	17	20	16	12	13	32	35	40	36

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-11
 ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG HISPANIC RESIDENTS OF
 ARIZONA, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	295	325	344	385	355	399	443	409	486	477	478
Railway accidents	2	5	2	5	4	6	2	4	2	0	1
Motor vehicle accidents	170	171	197	219	194	207	250	225	238	258	264
Water transport accidents	1	0	0	0	0	0	0	0	1	0	0
Accidents involving aircraft	1	1	0	3	1	0	0	1	1	0	1
Poisoning by drugs/medicaments	26	42	47	61	61	75	81	45	81	94	93
Poisoning by gases and vapors	2	3	4	3	2	3	9	1	7	9	3
Falls	22	31	23	24	35	27	38	38	36	37	24
Fire, flames, smoke	9	13	3	6	7	6	7	8	8	9	6
Excessive natural heat	3	4	9	6	5	13	2	3	3	3	12
Excessive natural cold	2	1	0	0	2	1	0	3	1	1	1
Contact with venomous snakes and lizards	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
Contact with scorpions	0	0	0	0	0	0	0	0	1	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	0	1	1	0	0
Lightning	1	0	1	0	0	2	0	1	0	0	1
Storms and floods	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	17	19	27	22	15	21	16	21	21	19	26
Choked on food	2	2	4	8	2	6	6	7	4	0	4
Choked on other objects	5	2	1	2	0	2	3	1	9	4	3
Mechanical suffocation	5	5	5	1	3	8	11	1	14	10	2
Accidental discharge of firearms	9	6	9	7	6	6	2	5	*NA	4	4
Exposure to electric current	3	1	0	2	2	2	2	0	3	3	1
Overexertion	0	1	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	2	0	1	0	0	1	0	1	0	0	0
Misadventures to patients during medical/surgical care	0	6	0	3	3	1	3	9	9	4	9

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-12
 ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG BLACK RESIDENTS OF
 ARIZONA, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	51	56	64	56	72	68	64	66	78	64	81
Railway accidents	0	0	0	0	0	0	0	1	1	0	0
Motor vehicle accidents	18	21	37	18	34	37	30	27	32	21	26
Water transport accidents	0	1	0	0	0	1	0	0	0	0	0
Accidents involving aircraft	0	1	0	0	1	0	0	0	0	0	0
Poisoning by drugs/medicaments	8	14	9	15	19	17	23	12	20	27	27
Poisoning by gases and vapors	1	0	0	1	0	2	1	0	0	1	0
Falls	5	3	1	3	3	2	4	4	7	5	6
Fire, flames, smoke	7	1	3	6	0	1	1	1	1	1	1
Excessive natural heat	1	3	4	2	0	2	1	1	1	0	3
Excessive natural cold	0	1	0	1	0	1	0	0	0	0	1
Contact with venomous snakes and lizards	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
Contact with scorpions	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
Bitten or struck by dog	0	0	0	0	0	0	0	0	0	0	0
Lightning	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
Accidental drowning and submersion	4	5	3	4	6	2	3	6	3	1	6
Choked on food	0	1	2	1	1	0	0	1	1	1	2
Choked on other objects	1	1	0	0	2	0	0	2	1	1	0
Mechanical suffocation	4	2	0	2	2	0	1	1	4	1	3
Accidental discharge of firearms	2	0	0	0	1	1	0	1	2	0	0
Exposure to electric current	0	0	1	0	1	0	0	0	0	0	0
Overexertion	0	0	0	0	1	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	0	1	0	2	0	0	0	0	0	0	0
Misadventures to patients during medical/surgical care	0	1	2	1	0	0	0	1	0	0	0

**TABLE 2-13
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG AMERICAN INDIAN RESIDENTS OF
ARIZONA, 1993-2003**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	269	273	251	335	315	283	281	243	257	256	269
Railway accidents	3	5	7	5	5	4	1	2	2	0	7
Motor vehicle accidents	171	154	162	232	188	180	170	160	154	174	166
Water transport accidents	0	1	0	0	0	0	0	0	0	0	0
Accidents involving aircraft	0	0	0	1	1	0	0	0	0	0	1
Poisoning by drugs/medicaments	4	23	8	8	17	19	16	12	17	23	18
Poisoning by gases and vapors	7	6	10	7	11	9	9	5	4	3	6
Falls	10	22	17	16	19	13	20	11	17	18	19
Fire, flames, smoke	9	13	7	7	4	6	9	6	10	4	4
Excessive natural heat	2	4	1	4	4	2	5	2	1	2	5
Excessive natural cold	16	9	7	9	17	13	11	5	6	10	11
Contact with venomous snakes and lizards	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
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	1	0	0	0	0	0	0
Bitten or struck by dog	0	0	0	0	0	0	1	0	0	0	0
Lightning	0	0	1	1	0	0	2	0	0	0	0
Storms and floods	0	0	0	0	0	0	0	0	1	0	2
Accidental drowning and submersion	20	8	11	7	16	10	12	13	3	3	7
Choked on food	3	3	3	5	5	2	3	6	1	1	2
Choked on other objects	5	6	2	6	3	8	3	2	4	2	1
Mechanical suffocation	1	3	3	2	3	4	5	1	8	1	5
Accidental discharge of firearms	1	2	4	0	2	3	1	1	*NA	1	1
Exposure to electric current	0	0	1	0	0	1	0	0	1	0	1
Overexertion	0	0	0	1	0	0	0	0	0	0	1
Adverse effects of drugs in therapeutic use	0	0	0	2	0	0	0	0	0	0	0
Misadventures to patients during medical/surgical care	5	1	1	0	1	0	1	1	0	2	4

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".

TABLE 2-14
ACCIDENTAL (UNINTENTIONAL INJURY) DEATHS BY YEAR AMONG ASIAN RESIDENTS OF
ARIZONA, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total accidents (unintentional injury)	11	15	16	16	14	19	22	19	23	12	21
Railway accidents	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle accidents	6	8	12	12	8	12	16	13	8	8	13
Water transport accidents	0	0	0	0	0	0	0	0	0	0	0
Accidents involving aircraft	0	0	0	1	0	0	0	0	0	0	0
Poisoning by drugs/medicaments	0	0	0	0	1	1	1	0	1	0	0
Poisoning by gases and vapors	0	0	0	0	0	0	1	1	0	0	0
Falls	0	3	1	1	1	2	2	1	4	1	4
Fire, flames, smoke	0	1	0	0	1	0	0	0	0	0	0
Excessive natural heat	0	0	1	0	0	0	0	0	0	1	1
Excessive natural cold	0	1	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
Contact with venomous spiders	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
Contact with hornets, wasps, bees	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
Lightning	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
Accidental drowning and submersion	2	0	2	1	0	3	0	1	4	2	1
Choked on food	0	0	0	0	1	0	0	0	0	0	0
Choked on other objects	0	0	0	0	0	0	0	0	1	0	1
Mechanical suffocation	0	0	0	1	0	1	1	0	1	0	0
Accidental discharge of firearms	2	0	0	0	0	0	1	0	*NA	0	0
Exposure to electric current	1	0	0	0	0	0	0	0	0	0	0
Overexertion	0	0	0	0	0	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	0	0	0	0	1	0	0	0	0	0	0
Misadventures to patients during medical/surgical care	0	1	0	0	0	0	0	0	0	0	0

* See footnote to Table 3-1 in "Intentional Self-Harm (Suicide), Arizona, 1993-2003".