



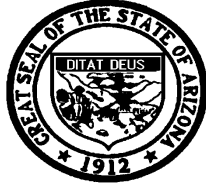
8.
DRUG-RELATED
DEATHS

ARIZONA,
1993-2003

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



~ Leadership for a Healthy Arizona ~



Janet Napolitano, Governor
State of Arizona

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Arizona Department of Health Services

HEALTH STATUS AND VITAL STATISTICS SECTION
BUREAU OF PUBLIC HEALTH STATISTICS
ARIZONA DEPARTMENT OF HEALTH SERVICES
150 N. 18th Avenue, Suite 550
Phoenix, Arizona 85007-3248
Phone: 602/542-7333; FAX: 602/542-2940
www.azdhs.gov/plan

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INJURY MORTALITY AMONG ARIZONA RESIDENTS

DRUG-RELATED DEATHS

ARIZONA, 1993-2003

BY

CHRISTOPHER K. MRELA, PH.D., *ASSISTANT REGISTRAR OF VITAL STATISTICS*

January 2005

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DRUG-RELATED DEATHS, ARIZONA, 1993-2003

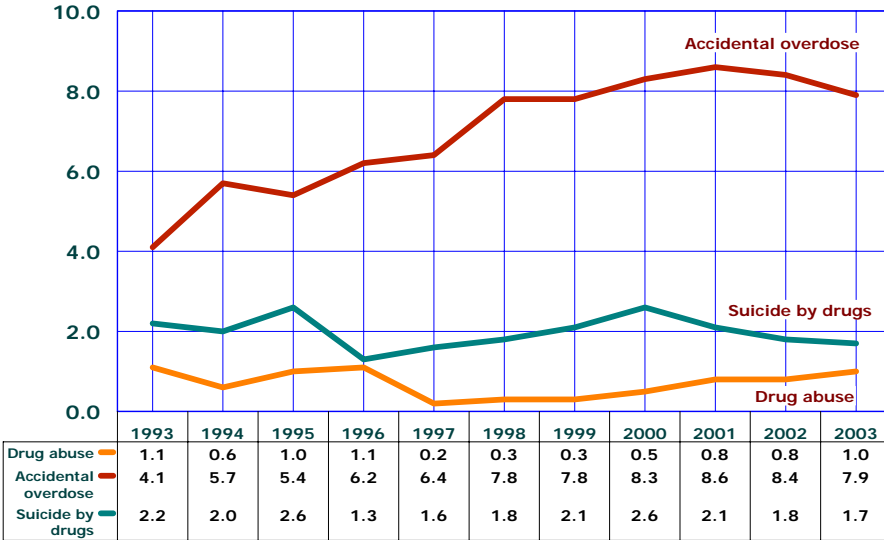
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DRUG-RELATED DEATHS, ARIZONA, 1993-2003

KEY FINDINGS

Figure 8-1
Drug-Related Death Rates* by Mortality Category and Year, Arizona, 1993-2003



This report provides data on poisoning by misuse of, abuse of, or dependence on drugs, medications and biological substances other than alcohol.

Accidental overdoses of drugs, followed by intentional self-poisoning (suicide) and drug abuse are the three major categories of drug-related mortality (Figure 8-1). In 2003, 652 Arizonans died from drug poisoning in various circumstances (Table 1), 2.1 times as many as in 1993 (Table 2).

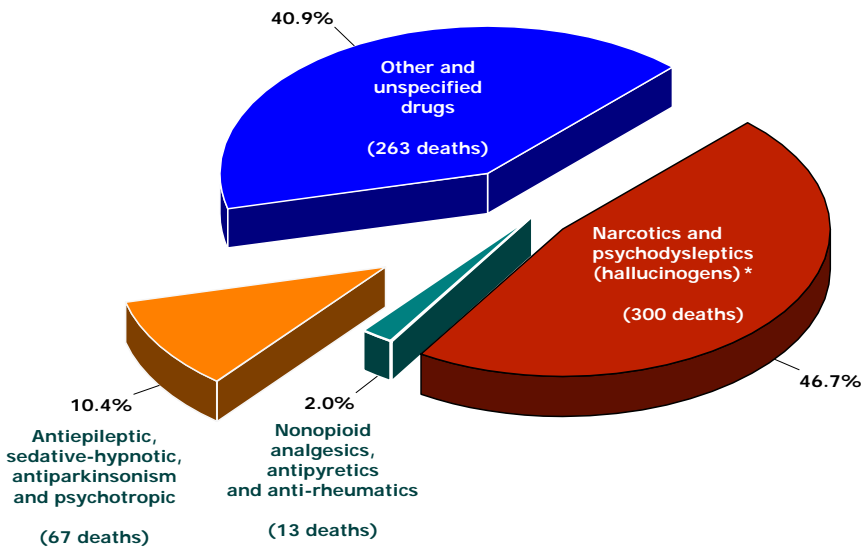
Effective with data for 2000, causes of drug-related death are classified by the Tenth Revision of the International Classification of Diseases (ICD-10), replacing the Ninth Revision (ICD-9) used in 1979-1999. In addition, beginning with the 2000 data year, cause-of-death data presented in this publication were coded by the National Center for Health Statistics using computerized procedures for coding of medical information. Both the conversion to ICD-10 and computerized coding contributed to at least some the breaks in comparability over time of cause of death statistics for accidental poisoning by drugs and intentional self-poisoning by drugs.

* Number of deaths per 100,000 population.

Note: Drug-related mortality from 2000 to present is classified according to the Tenth Revision of the Classification of Diseases (ICD-10). The drug-related mortality for 1993-1999 is classified by ICD-9. The rates for 2000-2001 are from the WISQARS site at http://webappa.cdc.gov/sasweb/nicpc/mortrate_10_sy.html.

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

Figure 8-2
Percentage and Number of Drug-Related Deaths by Type of Drug, Arizona, 2003



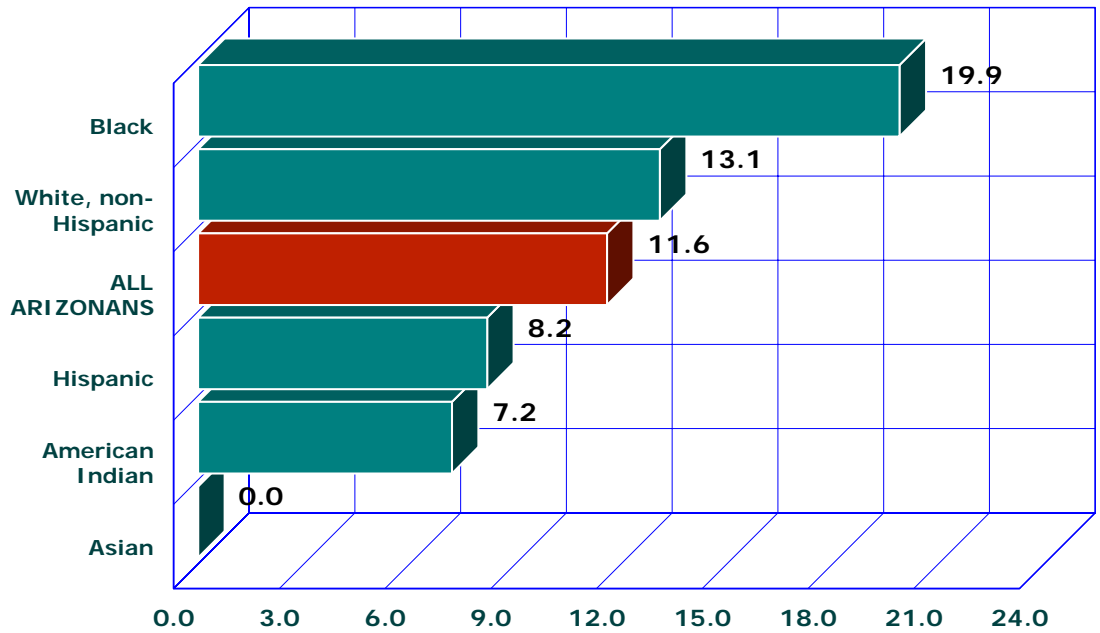
In 2003, 300 deaths of Arizona residents were attributed to narcotics, and psychodysleptics (hallucinogens) (Figure 8-2). Sixty-seven deaths had antiepileptic, sedative-hypnotic, antiparkinsonism and other psychotropic drugs as agents. There were thirteen deaths attributed to nonopioid analgesics, antipyretics and antirheumatics. Other and unspecified drugs accounted for 263 deaths, or 40.9 percent of total drug-related mortality.

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

DRUG-RELATED DEATHS, ARIZONA, 1993-2003

KEY FINDINGS

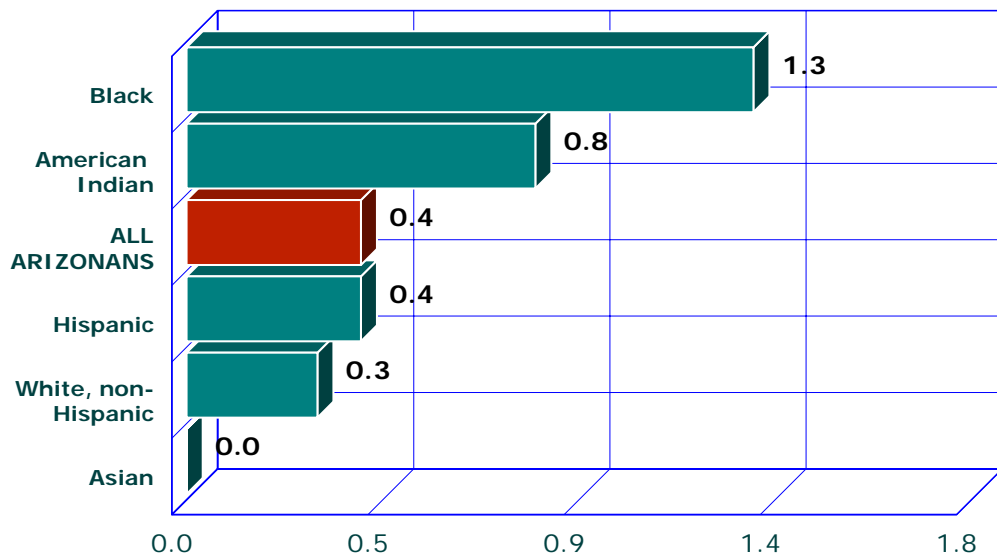
Figure 8-3
Drug-Related Death Rates* by Race/Ethnic Group,
Arizona, 2003



In 2003, Black residents of Arizona had the highest rate of drug-related deaths, (19.9 per 100,000; **Figure 8-3**) followed by White non-Hispanics, Hispanics and American Indians. There were no drug related deaths among Asian residents of the State.

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

Figure 8-4
Mortality Rates* for Abuse of Psychoactive Substances
by Race/Ethnic Group, Arizona, 2003



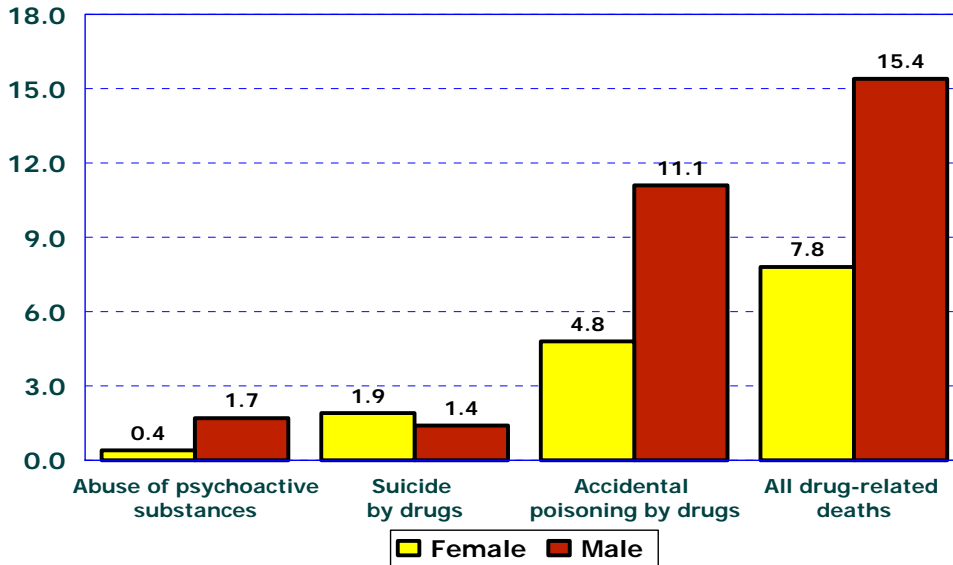
In 2003, Black and American Indian residents of the State had the highest mortality rates for abuse of psychoactive substances (**Figure 7-4**), such as cannabis, cocaine, heroine, LSD, mescaline, methadone, morphine and opium.

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

NOTE: Psychoactive substances include cannabis, cocaine, codeine, heroine, LSD, mescaline, methadone, morphine, opium.

KEY FINDINGS

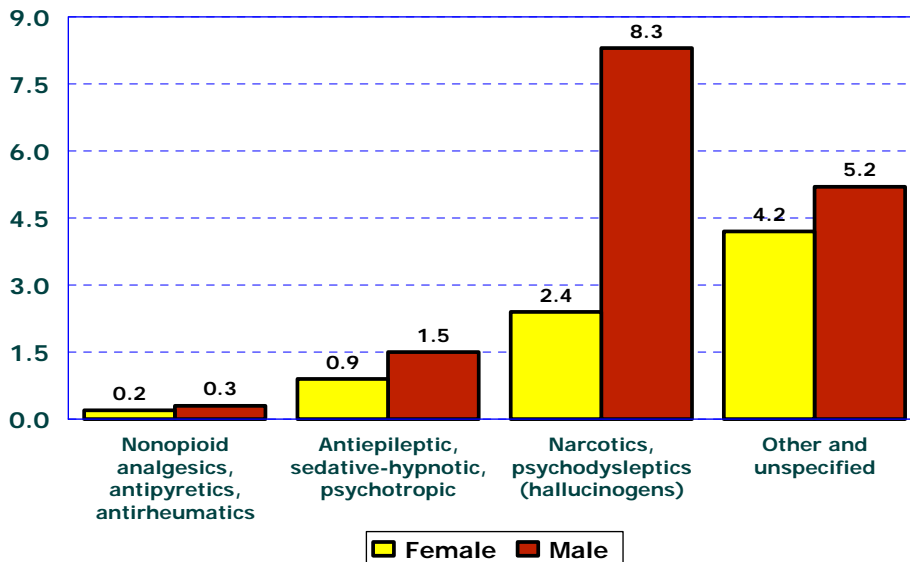
Figure 8-5
Drug-Related Death Rates* by Mortality Category and Gender, Arizona, 2003



The 2003 rate of drug-related deaths among males (15.4/100,000) was almost 2 times the rate for females (7.8/100,000; **Figure 8-5**). The death rate for accidental overdoses among males (11.1/100,000) was 2.3 times the female rate of 4.8/100,000. In contrast, the female rate for suicide by drugs exceeded the respective rate among males by 36 percent.

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

Figure 8-6
Drug-Related Death Rates* by Type of Drug and Gender, Arizona, 2003



The male mortality rate for narcotics and psychodysleptics (hallucinogens) was 3.5 times higher than the respective female rate (**Figure 8-6**). All gender-specific mortality rates by type of drug were greater for males than females.

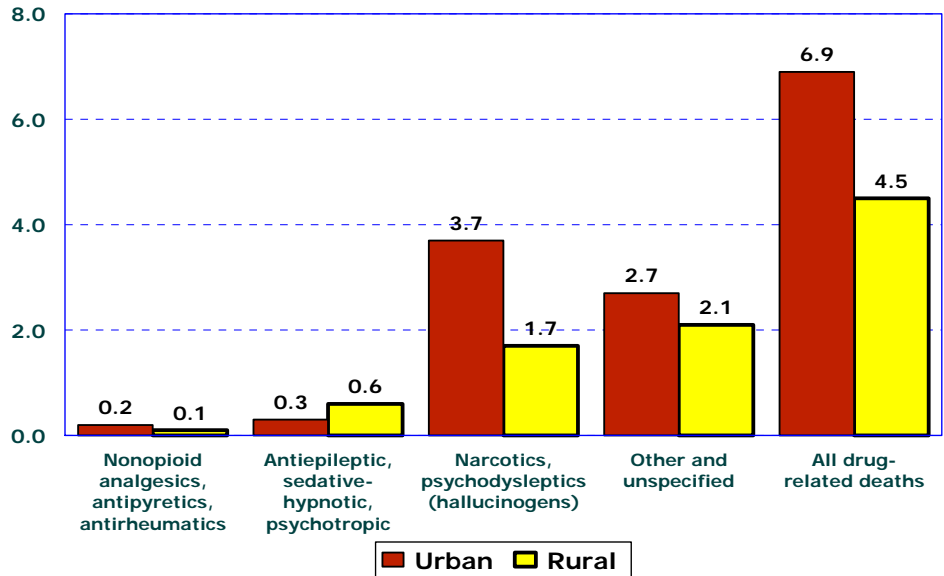
* Number of drug-related deaths per 100,000 persons in specified group

DRUG-RELATED DEATHS, ARIZONA, 1993-2003

KEY FINDINGS

Figure 8-7
Drug-Related Death Rates by Type of Drug and Urban*/Rural Area, Arizona, 2003

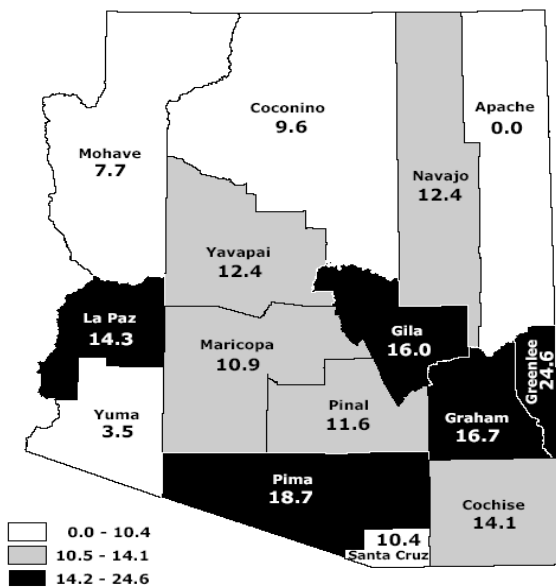
Relative to rural residents, the 2000 mortality risk of urban residents was 1.5 greater for all drug-related causes (Figure 8-7). In particular, urban compared to rural residents were 2.2 more likely to die from the abuse of narcotics and psychodysleptics (3.7/100,000 vs. 1.7/100,000). In contrast, rural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



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

Figure 8-8
Age-Adjusted* Mortality Rates for Drug-Related Deaths by County of Residence, Arizona, 2003

The age-adjusted drug-related mortality rates varied in Arizona in 2003 from zero (no fatalities) in Apache county to 24.6/100,000 in Greenlee County.



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

ARIZONA RATE = 12.0

**TABLE 8-1
DRUG-RELATED DEATHS BY CATEGORY AND SPECIFIC DIAGNOSIS, ARIZONA RESIDENTS, 2003**

Category	Description/type of drugs	Specific ICD-10 code	Number of deaths
Abuse of psychoactive substances (Mental and behavioral disorders due to use of psychoactive substances, F11-F19) *	Opioids	F11.1 - F11.9	5
	Cocaine	F14.1 - F14.9	8
	Other stimulants including caffeine	F15.1 - F15.9	12
	Tobacco	F17.9	8
	Volatile solvents	F18.-	0
Accidental poisoning by and exposure to drugs, medicaments and biological substances (X40-X49)	Other psychoactive substances or multiple drug use	F19.1 - F19.9	24
	Nonopioid analgesics, antipyretics and anti-rheumatics	X40	3
	Anti-epileptic, sedative-hypnotic, anti-parkinsonism and psychotropic drugs not elsewhere classified	X41	46
	Narcotics and psychodysleptics (hallucinogens) not elsewhere classified, (include cannabis, cocaine, codeine, heroin, LSD, mescaline, methadone, morphine, opium)	X42	227
	Accidental poisoning by and exposure to other drugs acting on the autonomic nervous system	X43	1
Intentional self-poisoning by and exposure to drugs, medicaments biological substances (X60-X64)	Other and unspecified drugs, medicaments and biological substances	X44	170
	Nonopioid analgesics, antipyretics and anti-rheumatics	X60	8
	Anti-epileptic, sedative-hypnotic, anti-parkinsonism and psychotropic drugs not elsewhere classified	X61	14
	Narcotics and psychodysleptics (hallucinogens) not elsewhere classified, (include cannabis, cocaine, codeine, heroin, LSD, mescaline, methadone, morphine, opium)	X62	15
	Other drugs acting on the autonomic nervous system	X63	1
Assault by drugs, medicaments and biological substances (X85)	Other and unspecified drugs, medicaments and biological substances	X64	55
	Homicidal poisoning by any biological substance, drug, medicament	X85	1
	Nonopioid analgesics, antipyretics and anti-rheumatics	Y10	1
	Anti-epileptic, sedative-hypnotic, anti-parkinsonism and psychotropic drugs not elsewhere classified	Y11	7
	Narcotics and psychodysleptics (hallucinogens) not elsewhere classified, (include cannabis, cocaine, codeine, heroin, LSD, mescaline, methadone, morphine, opium)	Y12	8
Drugs, medicaments and biological substances causing adverse effects in therapeutic use (Y40-Y59)	Other and unspecified drugs, medicaments and biological substances	Y14	32
	Agents primarily affecting blood constituents, anticoagulants	Y44.0 - Y44.9	1
	Analgesics, antipyretics and anti-inflammatory drugs	Y45.0 - Y45.9	2
	Antiepileptics and antiparkinsonism drugs	Y46.0 - Y46.8	0
	Agents primarily affecting the cardiovascular system	Y52.0 - Y52.9	0
TOTAL	Agents primarily affecting the gastrointestinal system	Y53.0 - Y53.6	0
	Other and unspecified drugs and medicaments	Y57.0 - Y57.9	2
	Other vaccine or biological substance, unspecified	Y59.0 - Y59.9	1
			652

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

* This report provides data on poisoning by misuse of, abuse of, or dependence on drugs, medications and biological substances other than alcohol. The above table excludes ICD-10 codes F10.- for mental and behavioral health disorders due to use of alcohol.

**TABLE 8-2
DRUG-RELATED MORTALITY BY CATEGORY AND YEAR, ARIZONA RESIDENTS, 1993-2003**

	1993	1994	1995	1996	1997	1998	1999	2000		2001		2002	2003
								unmodified	modified	unmodified	modified		
Abuse of psychoactive substances	42	25	42	49	10	16	14	25	25	44	44	43	57
Accidental poisoning by drugs	153	224	221	268	289	362	383	230	424	414	457	458	447
Intentional self-poisoning by drugs	85	81	108	56	73	87	101	58	133	76	113	100	93
Assault by drugs	1	0	0	1	2	1	1	0	0	2	4	1	1
Undetermined intent of poisoning by drugs	20	18	18	21	27	37	41	21	32	41	41	43	48
Drugs causing adverse effects in therapeutic use	9	9	8	9	7	5	3	3	3	6	6	9	6
Total	310	357	397	404	408	508	543	337	617	583	659	654	652

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 accidental poisoning by drugs and intentional self-poisoning by drugs.

Table 8-2 provides two data columns for 2000 and 2001: unmodified and modified for the misclassification of the underlying cause of death. The numbers used in the "modified" column for 2000-2001 are from the WISQARS site at http://webappa.cdc.gov/sasweb/ncipc/mortrate10_sy.html

TABLE 8-3
DRUG-RELATED MORTALITY RATES BY CATEGORY AND YEAR, ARIZONA RESIDENTS, 1993-2003

	Mortality rates per 100,000 population										
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Abuse of psychoactive substances	1.1	0.6	1.0	1.1	0.2	0.3	0.3	0.5	0.8	0.8	1.0
Accidents in the use of drugs	4.1	5.7	5.4	6.2	6.4	7.8	7.8	8.3	8.6	8.4	7.9
Intentional self-poisoning by drugs	2.2	2.0	2.6	1.3	1.6	1.8	2.1	2.6	2.1	1.8	1.7
Assault by drugs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Undetermined intent of poisoning by drugs	0.5	0.4	0.4	0.5	0.6	0.8	0.8	0.6	0.8	0.8	0.9
Drugs causing adverse effects in therapeutic use	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Total	8.1	8.9	9.5	9.3	8.9	10.8	11.1	12.0	12.4	12.0	11.6

0.0: Quantity equal or less than 0.05.

---: Quantity zero (no deaths to calculate a rate).

Note: In this report, the rates for 2000 and 2001 are from the WISQARS site at http://webappa.cdc.gov/sasweb/ncipc/mortrate_10_sy.html. The numerators used to calculate these rates are provided in Table 8-2 as the "modified" data columns.

TABLE 8-4
 DRUG-RELATED DEATHS BY RACE/ETHNIC GROUP AND YEAR, ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
White non-Hispanic											
Total	243	251	306	286	291	372	380	247	428	474	474
Abuse of psychoactive substances	31	13	27	38	4	10	7	14	30	30	43
Accidental poisoning by drugs	115	145	156	181	187	248	258	159	292	311	306
Intentional self-poisoning by drugs	76	71	101	47	68	80	79	53	66	88	80
Assault by drugs	1	0	0	1	2	1	1	0	2	0	1
Undetermined intent of poisoning by drugs	13	14	15	14	24	29	32	19	32	36	38
Drugs causing adverse effects in therapeutic use	7	8	7	5	6	4	3	2	6	9	6
Hispanic											
Total	42	55	63	76	66	88	100	57	106	112	117
Abuse of psychoactive substances	7	10	9	7	2	3	6	6	11	7	7
Accidental poisoning by drugs	26	42	47	61	61	75	81	45	81	94	93
Intentional self-poisoning by drugs	5	2	4	5	0	4	10	4	6	7	9
Assault by drugs	0	0	0	0	0	0	0	0	0	1	0
Undetermined intent of poisoning by drugs	2	1	2	3	3	5	3	1	8	3	8
Drugs causing adverse effects in therapeutic use	2	0	1	0	0	1	0	1	0	0	0
Black											
Total	12	19	14	20	23	18	29	14	21	32	37
Abuse of psychoactive substances	2	1	3	2	1	1	0	2	1	2	6
Accidental poisoning by drugs	8	14	9	15	19	17	23	12	20	27	27
Intentional self-poisoning by drugs	0	3	2	0	3	0	3	0	0	1	3
Undetermined intent of poisoning by drugs	2	0	0	1	0	0	3	0	0	2	1
Drugs causing adverse effects in therapeutic use	0	1	0	2	0	0	0	0	0	0	0
American Indian											
Total	13	28	12	19	22	26	24	15	23	31	21
Abuse of psychoactive substances	2	1	2	2	3	2	1	2	2	4	1
Accidental poisoning by drugs	4	23	8	8	17	19	16	12	17	23	18
Intentional self-poisoning by drugs	4	2	1	4	2	2	5	1	4	4	1
Undetermined intent of poisoning by drugs	3	2	1	3	0	3	2	0	0	0	1
Drugs causing adverse effects in therapeutic use	0	0	0	2	0	0	0	0	0	0	0
Asian											
Total	0	4	1	0	2	2	3	0	1	0	0
Abuse of psychoactive substances	0	0	1	0	0	0	0	0	0	0	0
Accidental poisoning by drugs	0	0	0	0	1	1	1	0	1	0	0
Intentional self-poisoning by drugs	0	3	0	0	0	1	2	0	0	0	0
Undetermined intent of poisoning by drugs	0	1	0	0	0	0	0	0	0	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	1	0	0	0	0	0
Other/Unknown											
Total	0	0	1	3	4	2	7	4	4	5	3
Abuse of psychoactive substances	0	0	0	0	0	0	0	1	0	0	0
Accidental poisoning by drugs	0	0	1	3	4	2	4	2	3	3	3
Intentional self-poisoning by drugs	0	0	0	0	0	0	0	2	0	0	0
Undetermined intent of poisoning by drugs	0	0	0	0	0	0	1	1	1	2	0

Note: see footnote to Table 8-2. In the above table, the numbers in 2000-2001 data column have not been modified for the misclassification of the underlying cause of death.

**TABLE 8-5
DRUG-RELATED MORTALITY BY RACE/ETHNIC GROUP, AGE GROUP AND YEAR, ARIZONA RESIDENTS, 1993-2003**

		1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total, all causes	Total	310	357	397	404	408	508	543	337	583	654	652
	Age group											
	<1	0	1	0	0	0	0	0	2	0	0	1
	1-14	2	2	2	0	5	1	1	1	0	5	4
	15-19	7	4	7	3	6	7	6	6	4	14	16
	20-44	215	249	284	296	263	344	351	351	180	337	364
45-64	67	75	80	81	103	138	160	160	121	204	226	
65+	18	26	23	20	27	17	22	22	29	20	39	38
	Unknown	1	0	1	4	4	4	3	1	3	4	0
White non-Hispanic	Total	243	251	306	286	291	372	380	247	428	474	474
	Age group											
	<1	0	1	0	0	0	0	0	1	0	0	0
	1-14	2	1	1	0	2	0	0	0	0	1	3
	15-19	4	2	5	3	1	3	1	2	7	10	13
	20-44	163	172	210	203	180	238	239	122	236	241	239
45-64	57	52	68	60	83	115	118	95	167	185	191	
65+	16	23	21	19	24	15	20	27	16	34	31	
	Unknown	1	0	1	1	1	1	2	0	1	1	0
Hispanic	Total	42	55	63	76	66	88	100	57	106	112	117
	Age group											
	<1	0	0	0	0	0	0	0	0	0	1	0
	1-14	0	0	0	0	2	1	0	0	0	3	1
	15-19	3	2	1	0	5	1	4	1	5	4	4
	20-44	31	42	53	65	47	69	70	39	72	77	79
45-64	6	9	7	11	11	15	26	16	22	25	29	
65+	2	2	2	0	1	2	2	1	4	4	5	
	Total	12	19	14	20	23	18	29	14	21	32	37
Black	Age group											
	<1	0	0	0	0	0	0	0	1	0	0	0
	1-14	0	0	0	0	1	0	0	0	0	0	1
	15-19	0	0	0	0	0	0	0	1	0	0	0
	20-44	12	10	9	16	17	12	22	8	11	21	13
	45-64	0	9	4	4	4	6	5	3	10	11	22
65+	0	0	0	0	1	0	1	1	0	0	1	
	Unknown	0	0	0	0	0	0	0	0	0	0	0
American Indian	Total	13	28	12	19	22	26	24	15	23	31	21
	Age group											
	1-14	0	1	0	0	0	0	1	0	1	0	0
	15-19	0	0	1	0	0	2	0	0	2	2	0
	20-44	9	23	10	12	18	22	16	11	17	23	16
	45-64	4	3	1	6	3	2	7	4	3	5	4
65+	0	1	0	1	1	0	0	0	0	1	1	
	Total	0	4	1	0	2	2	3	0	1	0	0
Asian	Age group											
	15-19	0	0	0	0	0	1	0	0	0	0	0
	20-44	0	2	1	0	1	1	1	0	1	0	0
	45-64	0	2	0	0	1	0	1	0	0	0	0
	65+	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	1	3	4	2	7	4	4	5	3
Other/Unknown	Age group											
	15-19	0	0	0	0	0	0	0	0	0	0	0
	20-44	0	0	1	0	0	2	3	0	0	0	0
	45-64	0	0	0	0	1	0	0	0	3	2	0
	65+	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	3	3	0	0	1	2	3	0

Note: see footnote to Table 8-2. In the above table, the numbers in 2000-2001 data column have not been modified for the misclassification of the underlying cause of death.

TABLE 8-6
 DRUG-RELATED MORTALITY IN URBAN AND RURAL AREAS BY YEAR, ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total, all causes											
Total	310	357	397	404	408	508	543	337	583	654	652
Abuse of psychoactive substances	42	25	42	49	10	16	14	25	44	43	57
Accidental poisoning by drugs	153	224	221	268	289	362	383	230	414	458	447
Intentional self-poisoning by drugs	85	81	108	56	73	87	101	58	76	100	93
Assault by drugs	1	0	0	1	2	1	1	0	2	1	1
Undetermined intent of poisoning by drugs	20	18	18	21	27	37	41	21	41	43	48
Drugs causing adverse effects in therapeutic use	9	9	8	9	7	5	3	3	6	9	6
Urban											
Total	257	303	343	339	352	421	471	297	512	555	556
Abuse of psychoactive substances	37	22	35	41	8	14	14	23	39	37	51
Accidental poisoning by drugs	134	196	195	233	258	315	344	208	372	390	386
Intentional self-poisoning by drugs	68	63	91	48	61	66	78	48	61	86	73
Assault by drugs	1	0	0	1	2	1	0	0	2	1	1
Undetermined intent of poisoning by drugs	10	14	15	9	17	21	33	15	34	34	41
Drugs causing adverse effects in therapeutic use	7	8	7	7	6	4	2	3	4	7	4
Rural											
Total	41	50	39	50	39	73	69	40	70	99	96
Abuse of psychoactive substances	4	2	3	6	0	1	0	2	5	6	6
Accidental poisoning by drugs	18	26	22	30	23	40	38	22	41	68	61
Intentional self-poisoning by drugs	13	18	12	6	8	19	21	10	15	14	20
Assault by drugs	0	0	0	0	0	0	1	0	0	0	0
Undetermined intent of poisoning by drugs	5	3	1	7	7	12	8	6	7	9	7
Drugs causing adverse effects in therapeutic use	1	1	1	1	1	1	1	0	2	2	2
Unknown											
Total	0	0	0	0	0	0	0	0	1	0	0
Accidental poisoning by drugs	0	0	0	0	0	0	0	0	1	0	0

Note: see footnote to Table 8-2. In the above table, the numbers in 2000-2001 data column have not been modified for the misclassification of the underlying cause of death.

**TABLE 8-7
DRUG-RELATED MORTALITY BY GENDER AND YEAR, ARIZONA RESIDENTS, 1993-2003**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total, all causes											
Total	310	357	397	404	408	508	543	337	583	654	652
Abuse of psychoactive substances	42	25	42	49	10	16	14	25	44	43	57
Accidental poisoning by drugs	153	224	221	268	289	362	383	230	414	458	447
Intentional self-poisoning by drugs	85	81	108	56	73	87	101	58	76	100	93
Assault by drugs	1	0	0	1	2	1	1	0	2	1	1
Undetermined intent of poisoning by drugs	20	18	18	21	27	37	41	21	41	43	48
Drugs causing adverse effects in therapeutic use	9	9	8	9	7	5	3	3	6	9	6
Male											
Total	218	247	277	300	301	359	396	232	401	433	432
Abuse of psychoactive substances	32	22	36	36	8	13	13	14	31	28	47
Accidental poisoning by drugs	122	171	181	220	237	287	304	184	305	334	313
Intentional self-poisoning by drugs	42	43	46	26	35	41	56	21	35	47	40
Assault by drugs	0	0	0	1	0	0	0	0	2	1	0
Undetermined intent of poisoning by drugs	16	8	10	12	17	17	21	12	25	20	28
Drugs causing adverse effects in therapeutic use	6	3	4	5	4	1	2	1	3	3	4
Female											
Total	92	110	120	104	107	149	147	105	182	221	220
Abuse of psychoactive substances	10	3	6	13	2	3	1	11	13	15	10
Accidental poisoning by drugs	31	53	40	48	52	75	79	46	109	124	134
Intentional self-poisoning by drugs	43	38	62	30	38	46	45	37	41	53	53
Assault by drugs	1	0	0	0	2	1	1	0	0	0	1
Undetermined intent of poisoning by drugs	4	10	8	9	10	20	20	9	16	23	20
Drugs causing adverse effects in therapeutic use	3	6	4	4	3	4	1	2	3	6	2

Note: see footnote to Table 8-2. In the above table, the numbers in 2000-2001 data column have not been modified for the misclassification of the underlying cause of death.

TABLE 8-8
 DRUG-RELATED DEATHS BY COUNTY OF RESIDENCE AND YEAR, ARIZONA RESIDENTS, 1993-2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Apache											
Total	1	6	3	1	0	5	0	4	5	8	1
Abuse of psychoactive substances	0	1	0	0	0	0	0	0	1	1	0
Accidental poisoning by drugs	1	5	3	0	0	1	0	3	2	4	0
Intentional self-poisoning by drugs	0	0	0	1	0	1	0	1	1	1	0
Undetermined intent of poisoning by drugs	0	0	0	0	0	3	0	0	0	2	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	1	0	1
Cochise											
Total	4	8	2	7	6	9	11	7	13	8	17
Abuse of psychoactive substances	1	1	0	0	0	0	0	0	1	0	2
Accidental poisoning by drugs	2	3	0	5	3	6	6	1	8	6	10
Intentional self-poisoning by drugs	1	3	2	2	1	1	5	2	4	0	4
Undetermined intent of poisoning by drugs	0	1	0	0	2	2	0	4	0	2	1
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	0	0	0
Coconino											
Total	4	3	2	6	2	10	9	9	5	11	11
Abuse of psychoactive substances	0	0	0	1	0	1	0	0	0	0	0
Accidental poisoning by drugs	1	1	1	3	2	6	5	7	2	10	11
Intentional self-poisoning by drugs	2	2	1	0	0	2	3	2	3	1	0
Undetermined intent of poisoning by drugs	1	0	0	2	0	1	1	0	0	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	0	0	0
Gila											
Total	5	5	5	4	5	9	5	3	5	10	8
Abuse of psychoactive substances	1	0	1	0	0	0	0	0	0	0	0
Accidental poisoning by drugs	3	4	2	3	4	5	4	3	3	5	6
Intentional self-poisoning by drugs	1	1	2	0	1	2	1	0	2	2	2
Undetermined intent of poisoning by drugs	0	0	0	1	0	2	0	0	0	2	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	0	0	0
Graham											
Total	2	0	1	6	2	2	0	0	1	1	6
Abuse of psychoactive substances	0	0	0	1	0	0	3	0	0	1	0
Accidental poisoning by drugs	1	0	1	4	0	1	0	0	1	0	5
Intentional self-poisoning by drugs	0	0	0	0	1	1	1	0	0	0	0
Undetermined intent of poisoning by drugs	1	0	0	1	1	0	3	0	0	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	0	0	1
Greenlee											
Total	1	0	0	0	0	1	0	0	0	0	2
Accidental poisoning by drugs	0	0	0	0	0	0	0	0	0	0	2
Undetermined intent of poisoning by drugs	1	0	0	0	0	0	0	0	0	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	1	0	0	0	0	0

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Maricopa	Total	163	214	225	231	241	299	315	123	334	360	361
	Abuse of psychoactive substances	33	21	34	37	5	11	13	12	31	24	41
	Accidental poisoning by drugs	75	137	123	154	179	223	235	76	238	251	231
	Intentional self-poisoning by drugs	45	46	61	34	42	50	48	29	46	54	56
	Assault by drugs	0	0	0	0	2	1	0	0	0	1	0
	Undetermined intent of poisoning by drugs	5	3	2	2	8	10	17	3	17	24	29
	Drugs causing adverse effects in therapeutic use	5	7	5	4	5	4	2	3	2	6	4
	Total	11	9	8	7	10	6	9	6	9	17	11
	Abuse of psychoactive substances	1	0	1	2	0	0	0	0	0	2	1
	Accidental poisoning by drugs	3	4	6	2	3	0	2	4	5	10	8
	Intentional self-poisoning by drugs	5	5	1	1	3	3	3	2	1	4	1
	Undetermined intent of poisoning by drugs	2	0	0	1	3	3	3	0	3	1	1
Drugs causing adverse effects in therapeutic use	0	0	0	1	1	0	1	0	0	0	0	
Total	2	6	2	3	3	7	12	2	8	13	11	
Accidental poisoning by drugs	0	3	1	2	2	4	7	0	6	10	8	
Intentional self-poisoning by drugs	1	1	1	0	1	2	4	1	1	3	3	
Undetermined intent of poisoning by drugs	0	1	0	1	0	1	1	1	1	0	0	
Drugs causing adverse effects in therapeutic use	1	1	0	0	0	0	0	0	0	0	0	
Total	82	74	96	97	94	108	136	164	148	161	167	
Abuse of psychoactive substances	4	1	0	2	1	2	1	11	4	5	5	
Accidental poisoning by drugs	50	49	59	74	66	82	99	123	113	119	138	
Intentional self-poisoning by drugs	22	13	25	13	18	13	22	18	13	28	14	
Assault by drugs	1	0	0	0	0	0	0	0	2	0	1	
Undetermined intent of poisoning by drugs	3	10	11	7	8	11	14	12	15	9	9	
Drugs causing adverse effects in therapeutic use	2	1	1	1	1	0	0	0	1	0	0	
Total	8	12	14	6	12	8	9	6	16	26	22	
Abuse of psychoactive substances	0	0	1	1	2	0	0	0	1	4	3	
Accidental poisoning by drugs	6	8	6	1	9	6	2	5	11	18	14	
Intentional self-poisoning by drugs	0	3	5	1	1	2	5	1	2	3	2	
Assault by drugs	0	0	0	1	0	0	0	0	0	0	0	
Undetermined intent of poisoning by drugs	2	1	1	0	0	0	2	0	1	1	3	
Drugs causing adverse effects in therapeutic use	0	0	1	2	0	0	0	0	1	0	0	

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Santa Cruz											
Total	3	0	4	2	2	5	3	2	2	4	4
Abuse of psychoactive substances	0	0	0	0	0	0	0	2	0	0	1
Accidental poisoning by drugs	2	0	3	2	2	4	2	0	1	4	1
Intentional self-poisoning by drugs	1	0	1	0	0	1	1	0	0	0	2
Undetermined intent of poisoning by drugs	0	0	0	0	0	0	0	0	1	0	0
Total	8	12	9	13	7	15	10	6	20	26	23
Abuse of psychoactive substances	1	0	1	2	0	0	0	0	3	2	2
Accidental poisoning by drugs	5	5	3	8	5	10	7	4	12	18	9
Intentional self-poisoning by drugs	2	6	3	2	1	5	3	1	3	3	7
Undetermined intent of poisoning by drugs	0	1	1	1	1	0	0	1	1	2	5
Drugs causing adverse effects in therapeutic use	0	0	1	0	0	0	0	0	1	1	0
Total	4	3	8	5	5	6	11	4	14	8	6
Abuse of psychoactive substances	0	0	0	1	0	1	0	0	3	4	2
Accidental poisoning by drugs	3	2	7	4	4	4	8	4	10	2	3
Intentional self-poisoning by drugs	1	1	0	0	0	1	3	0	0	1	1
Undetermined intent of poisoning by drugs	0	0	1	0	1	0	0	0	1	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	0	1	0
Total	0	0	0	0	0	0	0	0	0	1	0
Accidental poisoning by drugs	0	1	3	1	2	4	3	1	2	1	2
Intentional self-poisoning by drugs	0	1	2	1	2	3	2	0	1	1	1
Undetermined intent of poisoning by drugs	0	0	1	0	0	1	1	1	0	0	1
Total	0	0	0	0	0	0	0	0	1	0	0
Drugs causing adverse effects in therapeutic use	0	0	0	0	0	0	0	0	0	0	0
Total	12	4	15	15	17	14	3	0	1	0	0
Abuse of psychoactive substances	1	1	4	2	2	1	0	0	0	0	0
Accidental poisoning by drugs	1	2	4	5	8	7	1	0	1	0	0
Intentional self-poisoning by drugs	4	0	5	2	4	2	2	0	0	0	0
Undetermined intent of poisoning by drugs	5	1	2	5	3	4	0	0	0	0	0
Drugs causing adverse effects in therapeutic use	1	0	0	1	0	0	0	0	0	0	0
Yavapai											
Total											
Abuse of psychoactive substances											
Accidental poisoning by drugs											
Intentional self-poisoning by drugs											
Undetermined intent of poisoning by drugs											
Drugs causing adverse effects in therapeutic use											
Yuma											
Total											
Abuse of psychoactive substances											
Accidental poisoning by drugs											
Intentional self-poisoning by drugs											
Undetermined intent of poisoning by drugs											
Drugs causing adverse effects in therapeutic use											
La Paz											
Total											
Abuse of psychoactive substances											
Accidental poisoning by drugs											
Intentional self-poisoning by drugs											
Undetermined intent of poisoning by drugs											
Drugs causing adverse effects in therapeutic use											
Unknown											
Total											
Abuse of psychoactive substances											
Accidental poisoning by drugs											
Intentional self-poisoning by drugs											
Undetermined intent of poisoning by drugs											
Drugs causing adverse effects in therapeutic use											

Note: see footnote to Table 8-2. In the above table, the numbers in 2000-2001 data column have not been modified for the misclassification of the underlying cause of death.

**TABLE 8-9
DRUG-RELATED DEATHS BY 5-YEAR AGE GROUP AND YEAR, ARIZONA RESIDENTS, 1993-2003**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<1	0	1	0	0	0	0	0	2	0	1	0
1-4	0	0	1	0	2	0	0	0	2	1	1
5-9	1	0	0	0	0	0	1	0	0	1	0
10-14	1	2	1	0	3	1	0	0	3	2	0
15-19	7	4	7	3	6	7	6	4	14	16	17
20-24	12	18	18	26	23	25	28	14	22	32	33
25-29	21	32	34	28	29	45	51	30	41	46	32
30-34	56	62	54	69	56	69	61	33	62	61	70
35-39	68	68	97	83	81	101	87	42	98	104	91
40-44	58	69	81	90	74	104	124	61	114	121	121
45-49	30	32	43	52	55	71	89	69	105	103	118
50-54	16	22	16	18	27	34	49	33	59	71	73
55-59	14	12	13	5	16	27	15	13	22	40	40
60-64	7	9	8	6	5	6	7	6	18	12	16
65-69	5	9	5	6	6	3	4	4	5	10	9
70-74	3	8	5	4	9	1	5	4	4	8	6
75-79	6	4	5	5	7	8	7	9	3	9	8
80-84	1	1	5	2	5	2	3	4	4	6	8
85 +	3	4	3	3	0	3	3	8	4	6	7
Unknown	1	0	1	4	4	1	3	1	3	4	0
Total	310	357	397	404	408	508	543	337	583	654	652

Note: see footnote to Table 8-2. In the above table, the numbers in 2000-2001 data column have not been modified for the misclassification of the underlying cause of death.

**TABLE 8-10
 SOCIODEMOGRAPHIC CHARACTERISTICS OF DRUG-RELATED DEATHS BY TYPE OF DRUG,
 ARIZONA RESIDENTS, 2003**

	Nonopioid, analgesics, antipyretics and antiinflammatories	Antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs not elsewhere classified	Narcotics and psychodysleptics (hallucinogens) not elsewhere classified*	Other and unspecified drugs, medicaments and biological substances	Total
TOTAL	12	60	292	288	652
RACE/ETHNICITY	White non-Hispanic	46	184	234	474
	Hispanic	9	68	38	117
	Black	2	24	11	37
	American Indian	3	15	3	21
	Asian	0	0	0	0
	Other/Unknown	0	1	2	3
GENDER	Male	37	227	160	432
	Female	23	65	128	220
AREA	Urban**	46	268	234	556
	Rural	14	24	54	96
AGE GROUP	< 15	0	0	1	1
	15-19	1	8	7	17
	20-44	7	167	144	347
	45-64	2	108	110	247
	65+	2	9	24	38
	Unknown	0	0	2	2
EDUCATION	8 or less	2	25	14	41
	9-11 years	13	53	58	124
	12 years	23	113	108	249
	13-16 years	17	74	76	171
	17+ years	2	10	21	36
	Unknown	3	17	11	31
MARITAL STATUS	Never married	23	117	105	251
	Married	11	64	73	152
	Widowed	4	9	23	37
	Divorced	19	90	80	190
	Unknown	3	12	7	22

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

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