

# **DRUG-RELATED DEATHS**

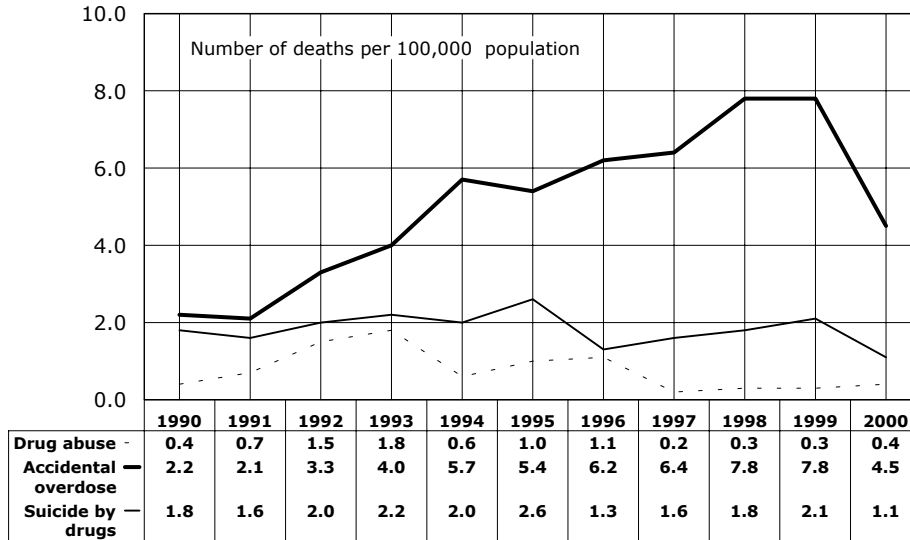
# **8**





DRUG-RELATED DEATHS

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

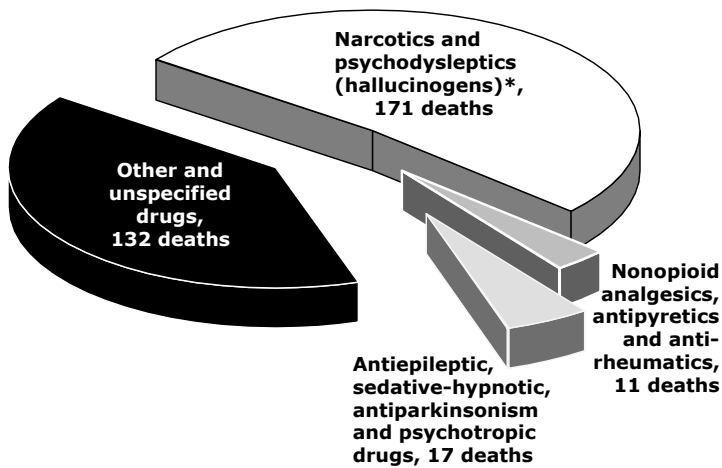


Note: The drug-related mortality for 2000 is classified according to the Tenth Revision of the International Classification of Diseases (ICD-10). The drug-related mortality for 1990-1999 is classified by ICD-9.

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

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

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



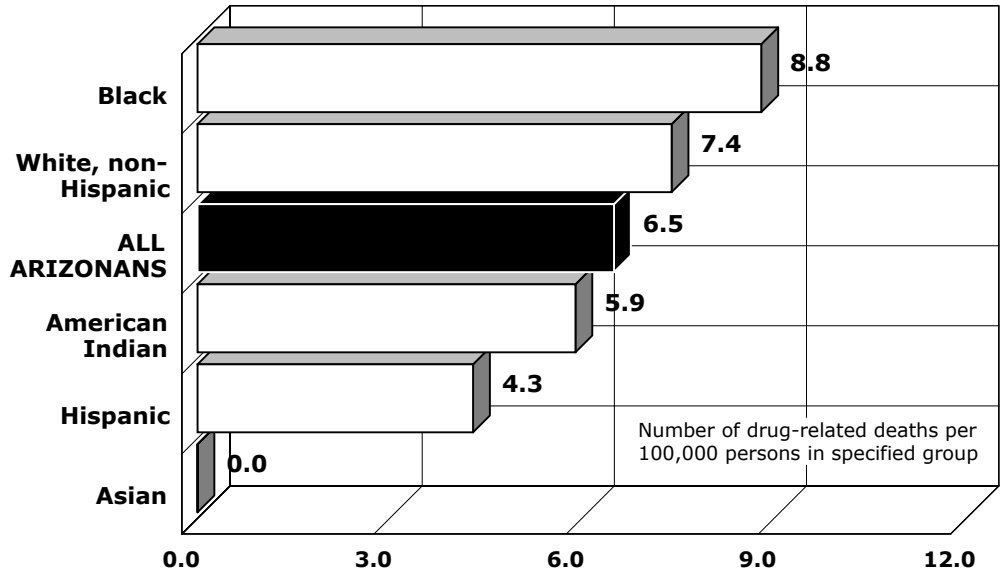
\*Includes cannabis, cocaine, codeine, heroine, LSD, mescaline, methadone, morphine, opium.

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

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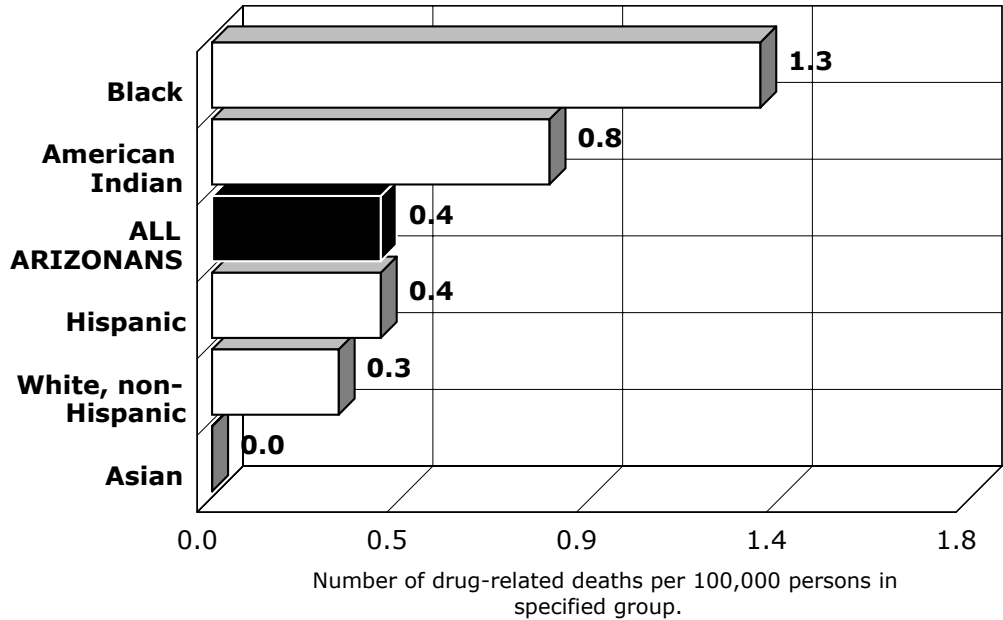
**Figure 8-3**  
**Drug-Related Death Rates by Race/Ethnic Group,**  
**Arizona, 2000**

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



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

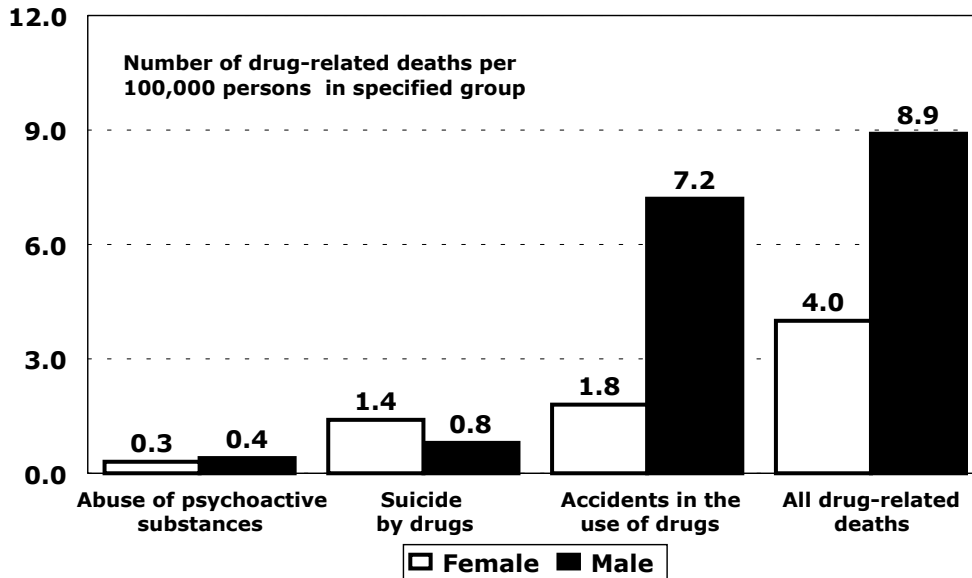
In 2000, Black and American Indian residents of the State had the highest mortality rates for abuse of psychoactive substances (**Figure 8-4**), such as cannabis, cocaine, heroine, LSD, mescaline, methadone, morphine and opium.



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

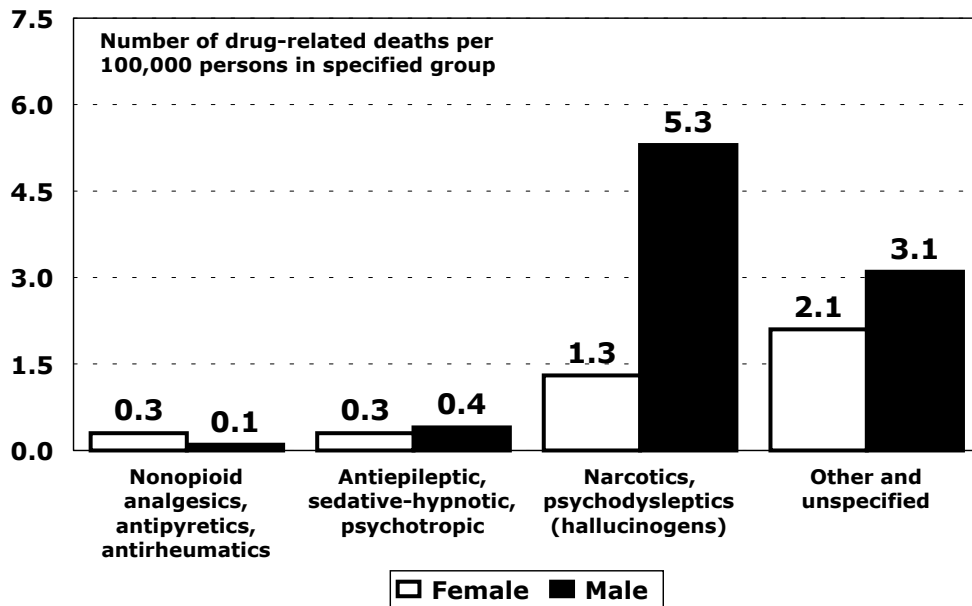
DRUG-RELATED DEATHS

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



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

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

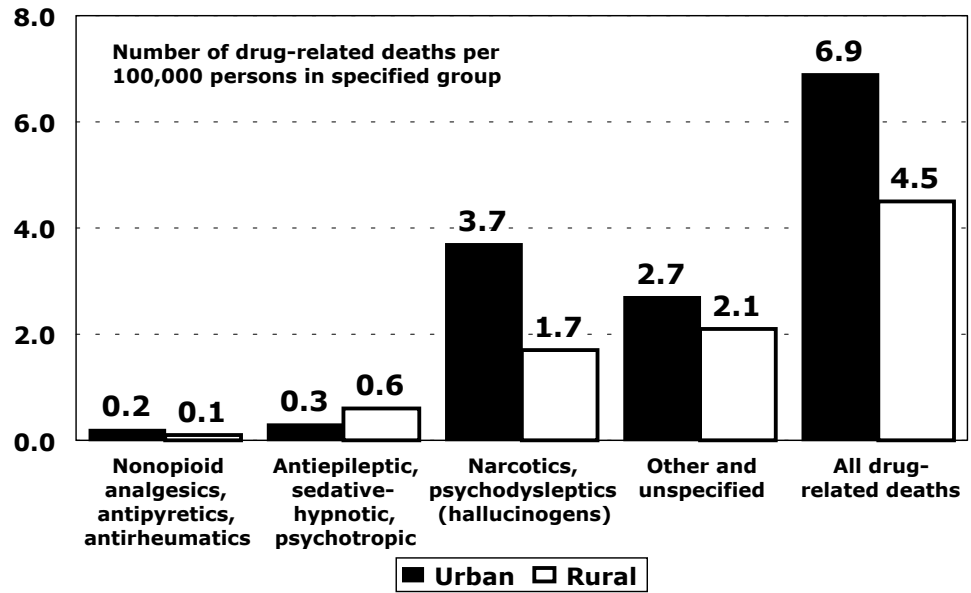


The male mortality rate for narcotics and psychodysleptics (hallucinogens) was 4.1 times higher than the respective female rate (**Figure 8-6**). In contrast, the female mortality rate for nonopioid analgesics, antipyretics and antirheumatics was 3 times greater than the respective male rate.

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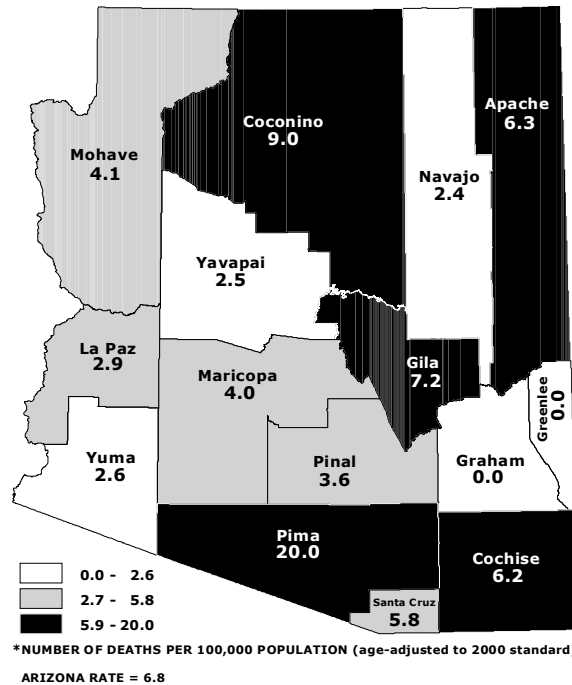
**Figure 8-7**  
**Drug-Related Death Rates by Type of Drug**  
**and Urban\*/Rural Area, Arizona, 2000**

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



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

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



## **DRUG-RELATED DEATHS DATA TABLES**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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