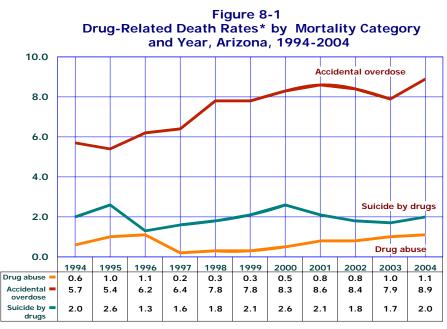
KEY FINDINGS



* 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 1994-1999 is classified by ICD-9. The rates for 2000-2001 are from the WISQARS site at http://webapa.cdc.gov/sasweb/nicpc/mortrate 10_sy.html.

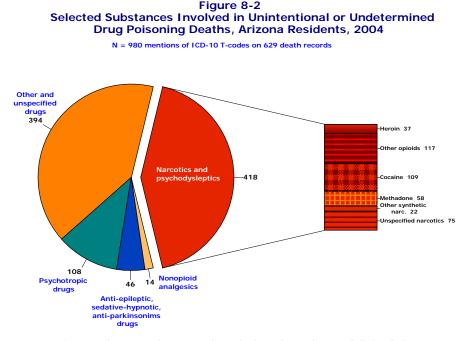
Causes of death attributable to drug-related mortality include not only deaths from dependent and nondependent use of drugs (legal or illegal), but also poisoning by and adverse effects of medically prescribed and other drugs. The category of "drug-related deaths" excludes accidents, homicides and other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

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 2004, 747 Arizonans died from drug poisoning in various circumstances (**Table 1**), 2.1 times as many as in 1994 (**Table 2**).

Effective with data for 2000, causes of drug-related death are classified by the Tenth Revision of the International of Diseases Classification (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 bv 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 (see Technical Notes for more detail).

In 2004, 629 deaths of Arizona residents were attributed to mental and behavioral disorders due psychoactive substance use, accidental overdose of drugs or drug poisoning of undetermined intent (Table 8-2). Narcotics and psychodysleptics were mentioned 418 times on 337 death records (53.6 percent of the 629 deaths; Figure 8-2, Table 8-10). The specific narcotic substances associated most frequently with poisoning deaths were cocaine (109), methadone (58) and heroin (37). However, non-specific categories such as "other opioids", "other synthetic narcotics", and "other and unspecified narcotics" accounted for the absolute majority (51.2 percent) of the 418 mentions of ICD-10 T-codes for narcotics.



Note: more than one substance can be mentioned on a death certificate. The sum of all identified ICD-10 T-codes for substances (980) is greater than the combined number (629) of fatal overdoses or drug poisonings of undetermined intent (see Table 8-10).



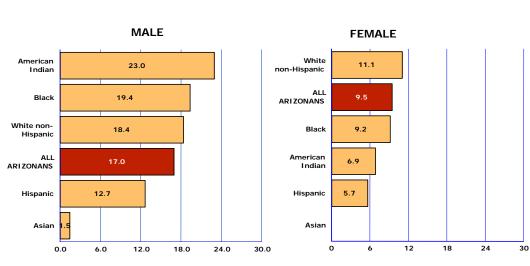


Figure 8-3 Age-Adjusted Mortality Rates for Drug-Induced Deaths by Gender and Race/Ethnic Group, Arizona, 2004

Indian male residents of Arizona had the highest age-adjusted rate of drug-related deaths, (23.0 per 100,000; Figure 8-3) followed by Blacks and White non-Hispanics. Amona females, the rate for drug-induced deaths for White non-Hispanics was the highest, followed by the death rate of Black African or American females There were no drug related deaths Asian among female residents of the State.

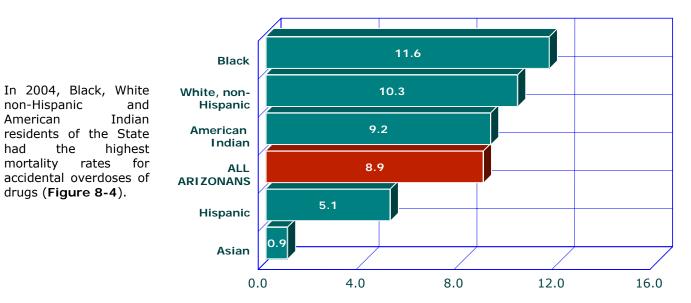
2004,

In

American

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

Figure 8-4 Mortality Rates* for Accidental Drug Overdoses by Race/Ethnic Group, Arizona, 2004



* Number of drug-related deaths per 100,000 persons in specified group ((unadjusted for differences in the age composition)

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



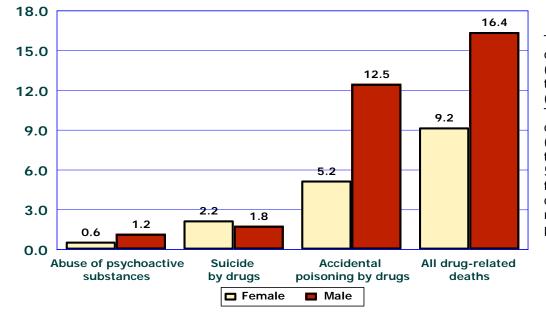
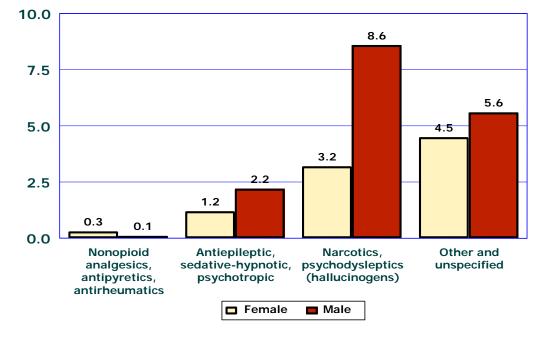


Figure 8-5 Drug-Related Death Rates* by Mortality Category and Gender, Arizona, 2004

> The 2004 rate of drug-related deaths among males (16.4/100,000) was 1.8 times the rate for females (9.2/100,000; Figure 8-5). The death rate for accidental overdoses among males (12.5/100,000) was 2.4 times the female rate of 5.2/100,000. In contrast, the female rate for suicide by drugs exceeded the respective rate among males by 22 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, 2004



The male mortality rate for narcotics and psychodysleptics (hallucinogens, 8.6 per 100,000) was 2.7 times higher than the respective female rate of 3.2 deaths per 100,000 (**Figure 8-6**). With the exception of nonopioid analgesics, antipyretics and antirheumatics, 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.



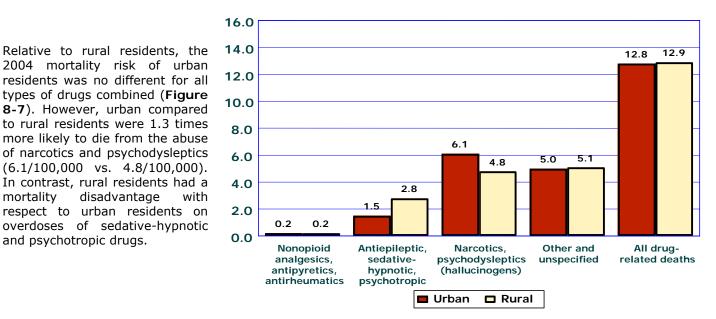


Figure 8-7 Drug-Related Death Rates by Type of Drug and Urban*/Rural Area, Arizona, 2004

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

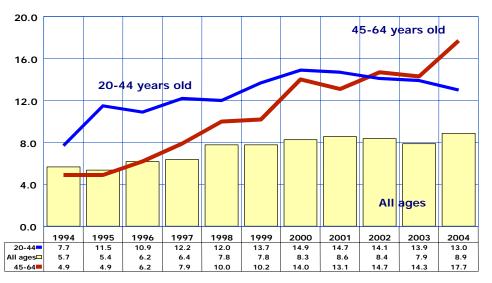
Among Arizonans of all ages, the overall mortality rate for accidental drug overdoses increased by 56 percent from 5.7 deaths per 100,000 in 1994 to 8.9/100,000 in 2004 (Figure 8-8). In 2004, 517 Arizonans died from drug overdoses (Table 1), 2.3 times as many as in 1994 (Table 2). Middle-aged adults (45-64 years old) experienced an unprecedented increase in mortality from accidental drug overdoses. In 2004, 211 of middle-aged adults were attributed to accidental poisoning by drugs compared to 36 deaths in 1994. The 2004 rate for accidental drug overdoses among middle-aged Arizonans (17.7/100,000) was 3.6 times greater than the rate of 4.9/100,000 reported for 1994. Among young adults 20-44 years the mortality rate old, for accidental poisoning by drugs declined from a high of 14.9 deaths per 100,000 in 2000 to 13.0/100,000 in 2004.

disadvantage

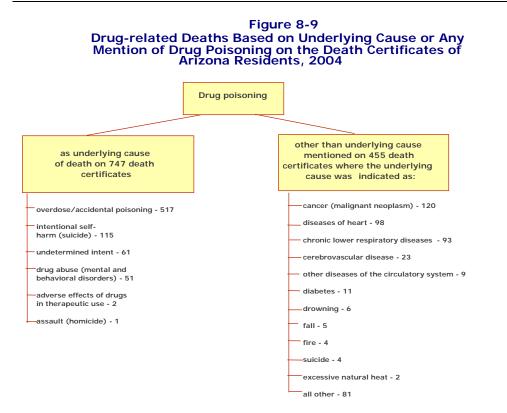
and psychotropic drugs.

mortality





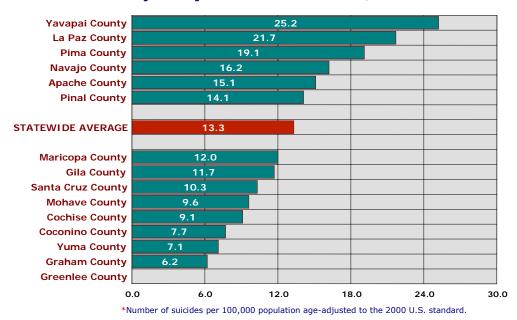
Number of deaths per 100,000 persons in specified group.



KEY FINDINGS

In various circumstances drug poisoning was indicated as the underlying cause of death on 747 death certificates of Arizona residents who died in 2004. In addition, drug poisoning was 455 mentioned on death certificates of Arizonans who died in 2004 from the underlying causes such as cancer, diseases of heart, chronic lower respiratory diseases, stroke (cerebrovascular fall-related disease), injuries, drowning, fire and flames or exposure to excessive natural heat (Figure 8-9, Table 8-11).

Figure 8-10 Age-Adjusted Mortality Rates for Drug Induced Deaths by County of Residence in Arizona, 2004



In 2004 the age-adjusted rates for drug-induced deaths varied in Arizona from 6.2 deaths per 100,000 residents of Graham County, to 25.2 deaths per 100,000 residents of Yavapai County. Including Yavapai, six counties exceeded the statewide rate of 13.3 deaths per 100,000 resident population in 2004. There were no drug-induced deaths in Greenlee County.

Yavapai County experienced an unprecedented increase in druginduced mortality from 23 deaths in 2003 to 47 deaths in 2004 (Table 8-8). Accidental drug overdoses and poisoning by drugs, where it was undetermined whether it was unintentionally or purposely inflicted, accounted for the majority of this increase.

Note: There were no drug-induced deaths in Greenlee County. The rates for Gila, Graham, Santa Cruz and La Paz are base fewer than 10 deaths. These rates are not statistically reliable.