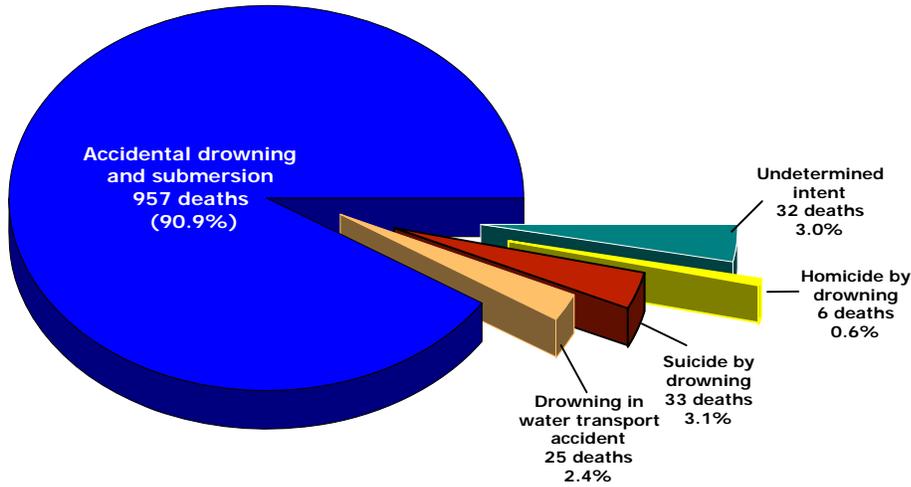


DROWNING DEATHS, ARIZONA, 1994-2004

KEY FINDINGS

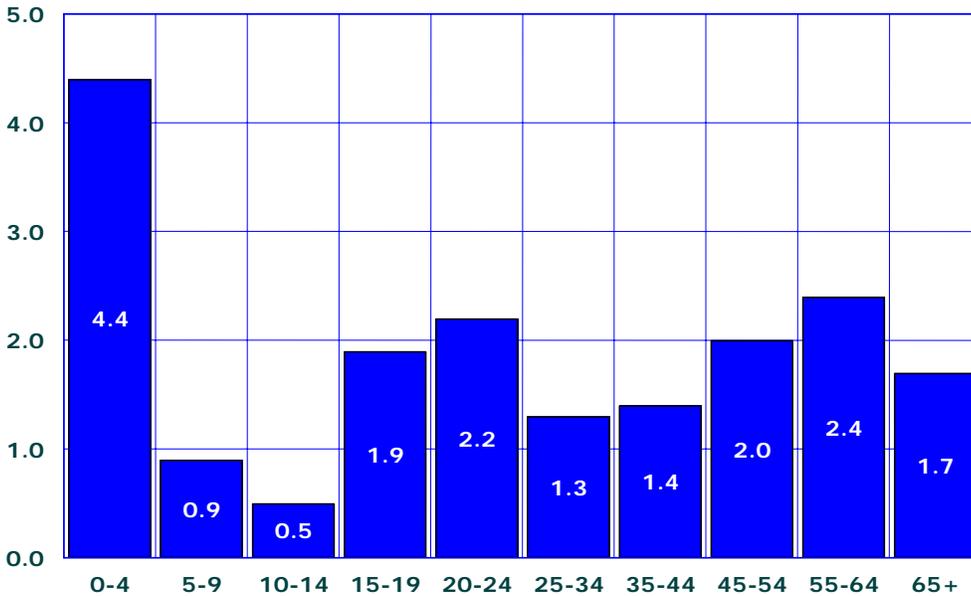
**Figure 9-1**  
Average Annual Number and Percent of Drowning Deaths By Intent or Manner Among Arizona Residents: Eleven-Year Summary for 1994-2004

N = 1,053 total drowning deaths in 1994-2004



Among the 1,053 total drowning deaths among Arizona residents in 1994-2004, accidental drowning and submersion accounted for 90.9 percent of them (Figure 9-1, Table 9-1). The number of Arizonans who committed suicide by drowning (33 deaths) was greater than the number of those who drowned in a water transport accident (25 deaths). In the eleven years from 1994 to 2004, there were 6 homicides by drowning, and 32 deaths (3.0 percent) were undetermined whether the injury was accidentally or purposely inflicted.

**Figure 9-2**  
Drowning Mortality Rates\* by Age Group, Arizona Residents, 2004



\*Number of drowning deaths per 100,000 population in specified group.

The 2004 drowning rate for children 4 years and younger (4.4 per 100,000, Figure 9-2, Table 9-3) was 2.4 times higher than the rate for persons of all ages (1.8 per 100,000).

The lowest age-specific drowning rates were those for children 5-14 years old.

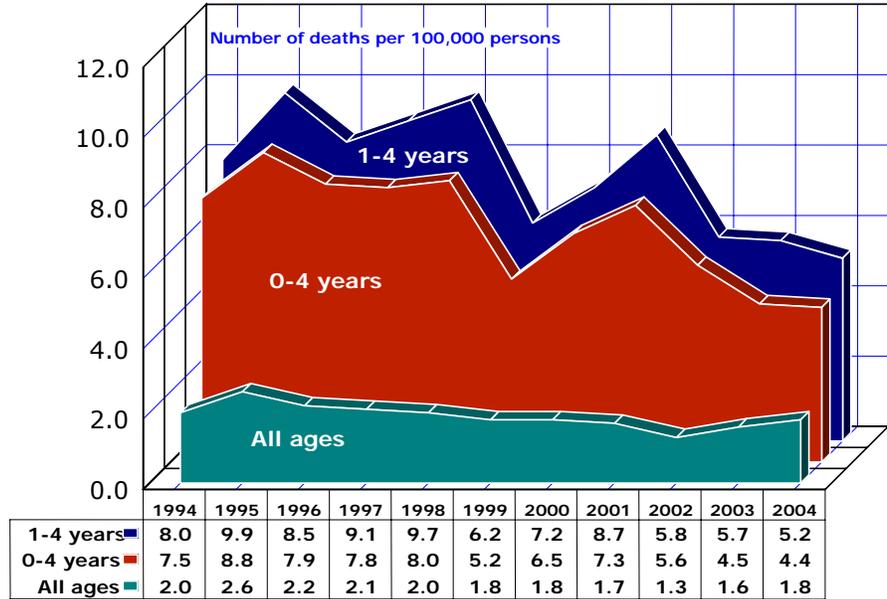
**DROWNING DEATHS, ARIZONA, 1994-2004**

**KEY FINDINGS**

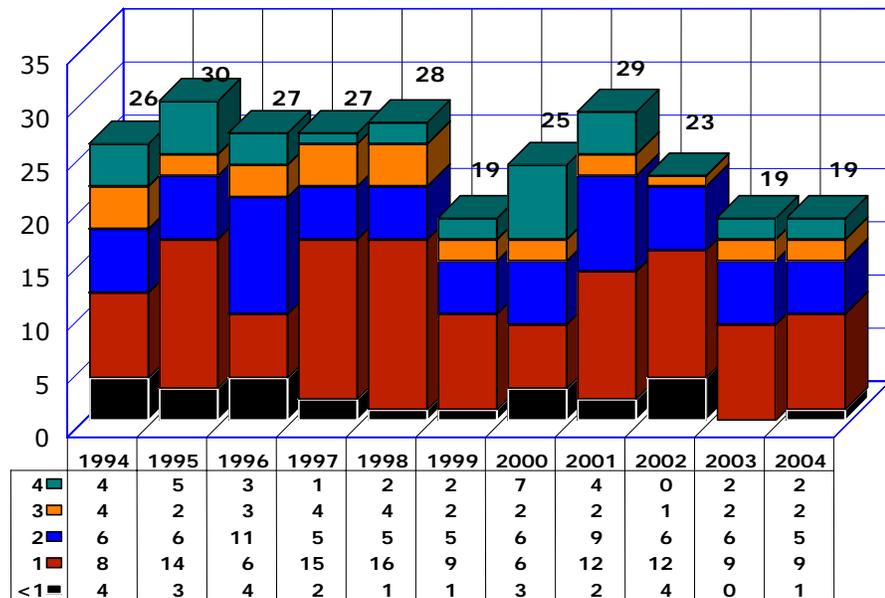
Both nationally and in Arizona, the highest age-specific drowning rate is for children 1-4 years of age. In 2004, the drowning rate of 5.2/100,000 among Arizona preschoolers 1-4 years old was 2.9 times higher than the rate for persons of all ages (Figure 9-1).

The number of drowning deaths per 100,000 Arizona children 1-4 years old dropped for the third consecutive year from a recent high of 8.7/100,000 in 2001 to 5.2/100,000 in 2004. In contrast, the drowning rate for Arizonans of all ages increased for the second year from 1.3/100,000 in 2002, to 1.6/100,000 in 2003, and 1.8/100,000 in 2004.

**Figure 9-3**  
**Drowning Death Rates for Arizonans of All Ages and Children 0-4 and 1-4 Years Old, Arizona, 1994-2004**



**Figure 9-4**  
**Drowning Deaths by Year Among Children 0-4 Years Old, Arizona, 1994-2004**



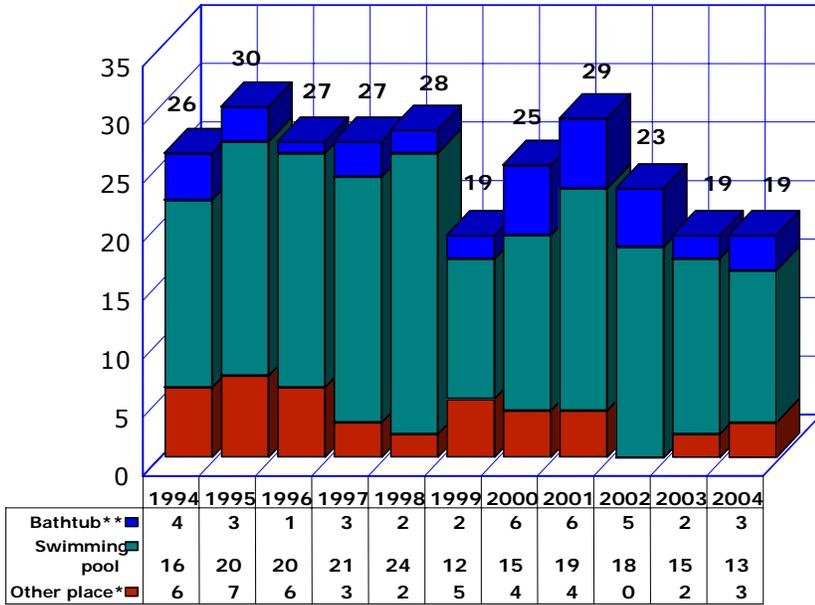
From 1994 to 2004, one year olds accounted for one out of two drowning deaths (116/247 or 47.0 percent) among preschoolers 1-4 years old.

There was one drowning fatality among infants under one year of age in 2004 (Figure 9-2).

DROWNING DEATHS, ARIZONA, 1994-2004

KEY FINDINGS

**Figure 9-5**  
Drowning by Place and Year Among Children 0-4 Years Old, Arizona, 1994-2004



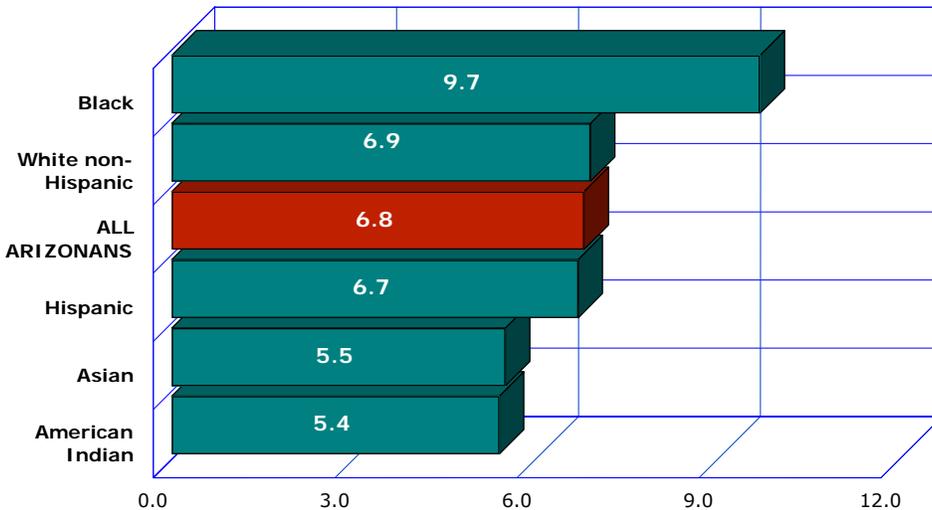
\*Includes irrigation canals.

\*\* Includes drowning in a bucket of water or jacuzzi.

Between 1994-2004, seven out of every ten children, 0-4 years old (71 percent), drowned in a swimming pool (Figure 9-5).

In 2004, children who resided in Maricopa County accounted for the 12 of 13 statewide swimming pool drowning deaths among children in this age group (Table 9-11).

**Figure 9-6**  
Average Annual Mortality Rates for Accidental Drowning by Race/Ethnic Group Among Children 0-4 Years Old, Arizona, 1994-2004



Number of drowning deaths per 100,000 population in specified group per year from 1994 to 2004. The rates were computed using an 11-year total number of deaths for 1994-2004. The 1999 population figures by race/ethnicity (i.e., population at mid-point) multiplied by eleven were used as denominators.

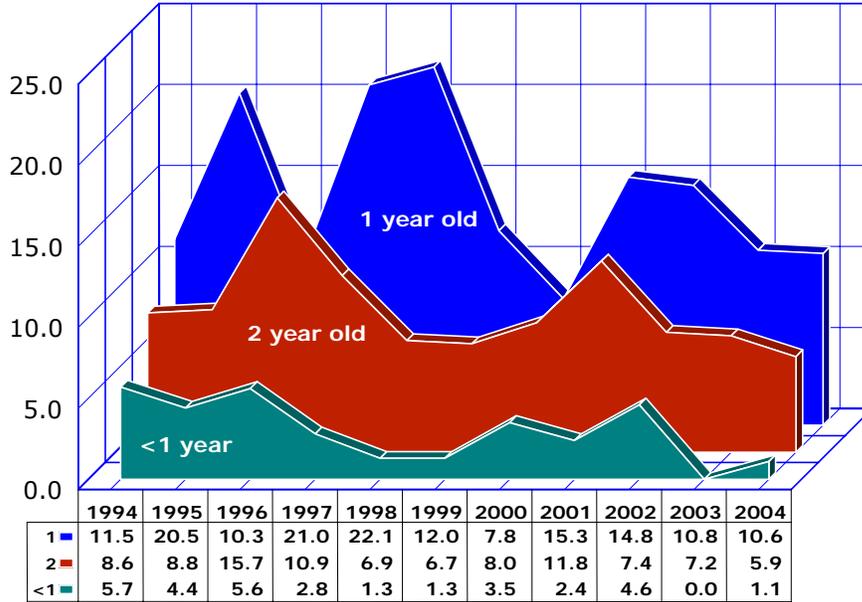
During 1994-2004, Black or African American children 0-4 years old had the highest average annual drowning mortality rate (9.7/100,000, Figure 9-6), followed by White non-Hispanic (6.9/100,000) and Hispanic or Latino children (6.7/100,000).

# DROWNING DEATHS, ARIZONA, 1994-2004

## KEY FINDINGS

**Figure 9-7**  
**Drowning Death Rates by Year and Age**  
**Among Children 2 Years Old or Younger,**  
**Arizona, 1994-2004**

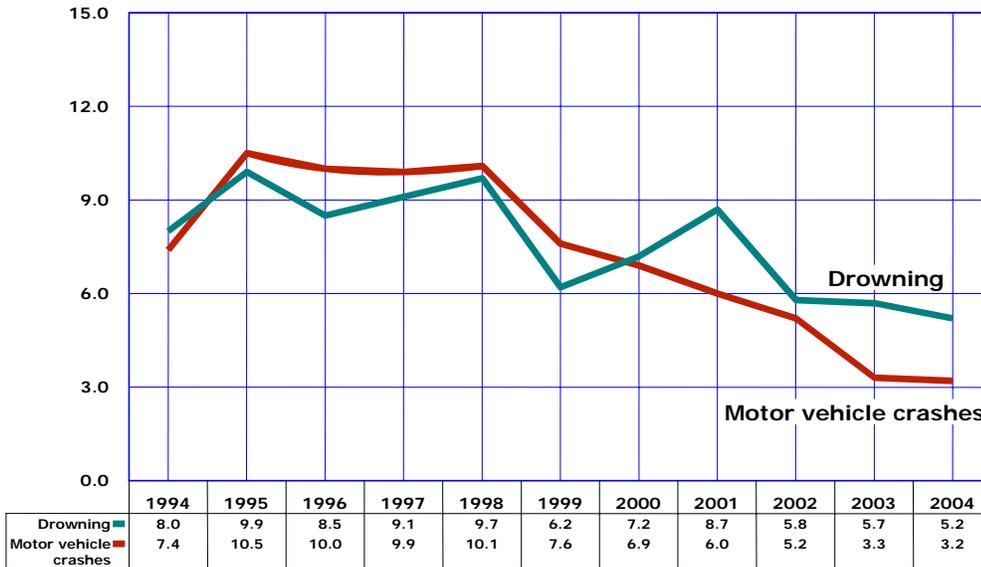
Number of drowning deaths per 100,000 children



Among children under 3 years of age, one year olds, followed by two year olds, continue to be at the highest risk for drowning death (Figure 9-7, Table 9-7).

**Figure 9-8**  
**Mortality Rates for Drowning and Motor Vehicle**  
**Crashes Among Children 1-4 Years Old,**  
**Arizona, 1994-2004**

Number of deaths per 100,000 children 1-4 years old



Motor vehicle-related injuries were the leading cause of unintentional injury death among Arizona preschoolers (one to four year old children) in 5 of 11 years from 1994 to 2004 (Figure 9-8). However, unlike the drowning rate, the mortality rate for motor vehicle crashes declined for the sixth consecutive year from 10.1 deaths per 100,000 pre-schoolers in 1998 to 3.2/100,000 in 2004. All annual drowning rates from 2000 to 2004 were greater among children 1-4 years old in Arizona than their mortality rates for motor vehicle crashes.