

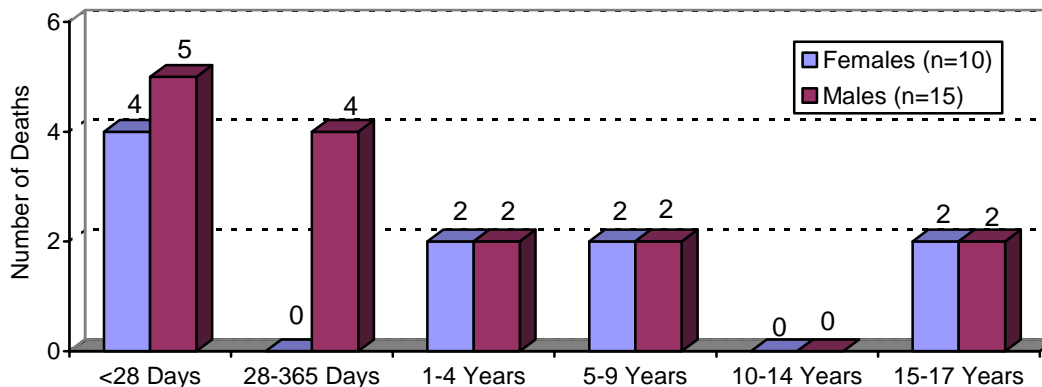


2007 CHILD FATALITY REVIEW FOR COCONINO COUNTY

DEMOGRAPHICS

This report provides information on the deaths of children who were residents of Coconino County. During 2007, there were 25 deaths among children younger than 18 years of age in Coconino County. Males accounted for 60 percent of child deaths (n=15) and females accounted for 40 percent (n=10). Figure 1 shows deaths among children by sex and age group.

Figure 1. Deaths Among Children by Sex and Age Group, Coconino County, Arizona 2007 (n=25)

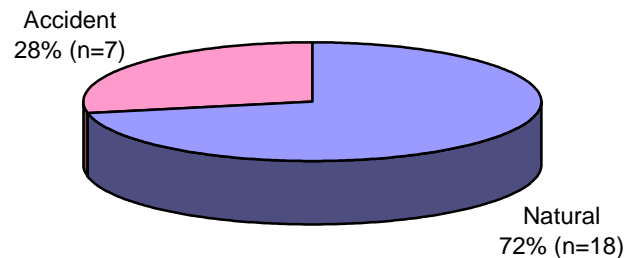


Deaths were over-represented among American Indian and Hispanic children in this county. American Indian children accounted for 56 percent of child deaths among Coconino County residents (n=14), but only 40 percent of the population. Hispanic children comprised 14 percent of the population but 20 percent of the fatalities (n=5). White, Non-Hispanic children comprised 43 percent of the population in this county but 24 percent of the fatalities (n=6).

CAUSE AND MANNER OF CHILD FATALITIES

Seventy-two percent of deaths were due to natural manners (n=18) and 28 percent of deaths were due to accidents (n=7). There were no suicides or homicides among Coconino County children in 2007. Figure 2 shows deaths among children by manner.

Figure 2. Deaths Among Children by Manner, Coconino County, Arizona 2007 (n=25)



Six children died in motor vehicle crashes, and 13 deaths were due to medical causes. Fifteen of the deaths determined to have been natural were the result of medical causes, including prematurity. Three deaths were due to Sudden Infant Death Syndrome (SIDS). Table 1 shows deaths among children by cause and manner.

Table 1. Deaths Among Children by Cause and Manner, Coconino County, Arizona 2007 (n=25)						
Cause	Accident	Homicide	Suicide	Natural	Undetermined	Total
Medical*				13		13
Prematurity				2		2
Motor vehicle crash	6					6
SIDS				3		3
Poisoning	1					1
Total	7	0	0	18	0	18
*Excluding prematurity and SIDS						

Among the six motor vehicle crash deaths, five children were passengers and one child was a pedestrian.

PREVENTABILITY

Child Fatality Review Teams consider a child's death preventable if something could have been done (by an individual such as the caregiver or supervisor, or by the community as a whole) that would have prevented the death. Local Child Fatality

Review Teams determined that 32 percent of the deaths among Coconino County children could have been prevented (n=8).

During the review of each child’s death, teams identify factors believed to have contributed to the death. Although the presence of a contributing factor typically led to the determination that a death was preventable, this was not always the case. For example, the team might have concluded that an unsafe sleep environment (e.g. infant left sleeping on a couch) was a contributing factor in an unexpected infant death. However, the team may not have had sufficient information (e.g. autopsy report, adequate scene investigation) to determine if the death could have been prevented.

In Coconino County, supervision impaired by drugs and/or alcohol was a contributing factor for four deaths (16 percent). Drugs and/or alcohol was a contributing factor for six deaths (24 percent), and unsafe infant sleep environments contributed to four deaths (16 percent). More than one factor may have been identified for each death. Table 2 shows the most common factors contributing to the deaths of child residents of Coconino County.

Table 2. Contributing Factors for Deaths Among Children, Coconino County, Arizona 2007		
Factor*	Number	Percent
Drugs/alcohol	6	24%
Supervision impaired by drugs/alcohol	4	16%
Unsafe infant sleep environment	4	16%
*More than one factor may have been identified for each death		

CHILD FATALITIES IN COCONINO COUNTY COMPARED TO OTHER ARIZONA COUNTIES

This section provides comparisons between the deaths of children who resided in Coconino County and the deaths of children who resided in the remaining 14 Arizona counties. During 2007, 25 children who were residents of Coconino County died, and 1,065 children died who were residents of the other 14 counties. Coconino County had a crude rate of 69.7 child deaths per 100,000 residents, a higher rate than the remaining Arizona counties (64.4 deaths per 100,000 residents). Nearly one-third percent of the deaths of Coconino County children could have been prevented (32 percent, n=8), which is similar to what was observed in the remaining counties (33 percent, n=354).

Medical conditions were the leading cause of child deaths in Coconino County (52 percent) and the leading cause of death for the remainder of Arizona (37 percent). Prematurity accounted for only eight percent of deaths in Coconino County, but was the second leading cause of death for the rest of Arizona. The second leading cause of death among Coconino County children was Sudden Infant Death Syndrome (SIDS) (n=12). Motor vehicle crashes accounted for 24 percent of deaths in Coconino County

but only nine percent in the remaining counties. Table 3 shows the leading causes of child deaths for Coconino County compared to the rest of Arizona.

Table 3. Leading Causes of Child Deaths, Coconino County, Arizona 2007			
Coconino County (n=25)		Arizona, Excluding Coconino County (n=1,065)	
Cause	Percent of Deaths	Cause	Percent of Deaths
Medical	52%	Medical	37%
Motor vehicle crash	24%	Prematurity	29%
SIDS	12%	Motor vehicle crash	9%

In Coconino County, the second largest percentage of deaths was due to accidents (28 percent), but in the remaining counties, accidents only accounted for 18 percent of child deaths. There was a higher percentage of natural deaths in Coconino County (72 percent), compared to the rest of the state (68 percent). Although homicides accounted for six percent and suicides accounted for three percent of the child deaths in the remainder of Arizona, there were no suicides or homicides among Coconino County children during 2007. Table 4 shows deaths among children by manner for Coconino County compared to the rest of Arizona.

Table 4. Deaths Among Children by Manner, Coconino County, Arizona 2007			
Coconino County (n=25)		Arizona, excluding Coconino County (n=1,065)	
Manner	Percent of Deaths	Manner	Percent of Deaths
Natural	72%	Natural	68%
Accident	28%	Accident	18%
Homicide	0%	Homicide	6%
Suicide	0%	Undetermined	5%
Undetermined	0%	Suicide	3%