Compared with the White non-Hispanics, the race/ethnic minority groups in Arizona have had greater percentages of people younger than 25 years (49.0 vs. 29.1 percent). In contrast, people aged 65 years and older accounted for 17.7 percent of White non-Hispanics, but only 4.6 percent of all ethnic minority groups combined (based on the 2000 Census, Summary File 1).

Similar to the differences in the age composition is the contrasting pattern of proportional mortality by age group. In 2005, the elderly (65 years and older) comprised 76.6 percent of the total mortality among White non-Hispanics, compared to 41.7 percent among American Indians, 48.7 percent among Blacks, 50.5 percent among Hispanics, and 62.1 percent among Asians. One out of fifty White non-Hispanics who died in 2003 was less than 25 years old (2.0 percent). In contrast, persons younger than 25 years of age accounted for one out of every eight (12.3 percent) deaths among Arizona ethnic minorities:

The smaller the proportion of elderly as well as the proportion of deaths at older age, the lower is the average age at death. In 2005, the average age at death among the residents of Sun City (a retirement community where the median age of residents is 75 years) was 82.8 years. In contrast, the average age in Gilbert (median age 30.1 years) was 69.1 years. Compared to residents of Sun City, on average residents of Gilbert were 13.1 younger at time of death. It is not so much that the risk of premature death is higher in Gilbert than it is in Sun City. Rather, it is the lower proportional contribution of elderly deaths to total mortality in Gilbert that depresses the average age at death for this community.

Beginning with the 2005 edition of the report, information about the arithmetic mean age at death is supplemented with the information about the median age: the age in the middle (see Table 2D-1). The median age is higher than the arithmetic mean age in negatively skewed distributions.
One out of two Arizonans who died in 2005 was older than 77 years of age. Among Arizona females, fifty percent were older than 80 years when they died in 2005. Among males, the median age at death was 74 years in 2005. Table 2D-1 shows both the average and the median age at death by race/ethnicity and gender in 1995-2005.

In 2005, compared to White non-Hispanics, on average Asians were 7 years younger at time of death, Hispanics were 14 years younger, Blacks were 15 years younger, and American Indian residents of Arizona were 20 years younger.

The percent of deaths before expected years of life reached (a premature death ratio) slightly decreased for all Arizonans from 53.0 in 2004 to 52.7 in 2005 (Figure 2D-2).

As expected, based on the findings for average and median age at death, White non-Hispanics were the only group with less than 50 percent of all deaths (47.9 percent) occurring before the expected years of life were reached (Figure 2D-2). In contrast, at least 65 percent among race/ethnic minority groups occurred prematurely.

Among American Indians, eight out of ten deaths (78.4 percent) were premature.
In 2005, Alzheimer’s disease again ranked highest with median age at death of 86.8 years (Figure 2D-3), exceeding by 9.8 years the median age at death for all causes (Figure 2D-3, Table 2D-3).

Among the leading causes of death, homicide had the lowest median age at death of 28.5 years.

Only 12.6 percent of deaths from Alzheimer’s disease occurred before the age of 77.9 years, i.e., before the expected years of life were reached. In contrast, almost all deaths from HIV disease were premature at 99.3 percent (Figure 2D-4, Table 2D-4) and the median age at death from HIV disease was 42.9 years (Figure 2D-3, Table 2D-3).