

**TABLE 2C-13**  
**MORTALITY RATES<sup>1</sup> FOR THE FIVE LEADING CAUSES<sup>2</sup> OF DEATH AMONG ADOLESCENTS (15-19 years)**  
**IN URBAN AND RURAL AREAS<sup>3</sup>, ARIZONA, 1990-2000**

Area/Cause	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	% change from 1990
<b>URBAN</b>												
Accidents (unintentional injuries)	39.7	35.8	36.3	39.0	37.3	42.4	33.8	26.6	32.4	29.8	28.9	-27.2
Motor vehicle accidents	30.8	27.6	25.5	30.8	31.6	32.5	27.8	20.0	26.4	22.9	21.9	-28.9
Other Injury	8.9	8.2	10.9	8.2	5.7	9.9	6.0	6.6	6.1	7.0	7.0	-21.3
Assault (homicide)	11.9	22.2	20.3	26.7	28.7	38.4	22.9	19.2	17.7	18.9	16.0	34.5
Intentional self-harm (suicide)	14.9	16.0	10.9	20.0	20.6	15.8	16.5	21.9	14.7	8.4	12.3	-17.5
Malignant neoplasm	3.0	4.8	3.3	2.6	6.7	2.7	2.8	2.0	4.1	3.3	4.3	43.3
Diseases of heart	1.0	1.5	0.0	3.6	1.4	1.4	1.2	2.3	1.9	2.5	1.7	70.0
ALL CAUSES	81.4	91.4	81.6	103.7	108.1	114.2	93.3	84.5	81.4	72.4	75.4	-7.4
(Number of all deaths)	(164)	(189)	(173)	(202)	(226)	(253)	(232)	(216)	(216)	(199)	(227)	(38.4)
<b>RURAL</b>												
Accidents (unintentional injuries)	73.9	55.6	47.8	80.6	69.8	68.5	86.0	59.3	57.6	54.9	67.4	-8.8
Motor vehicle accidents	50.4	42.5	30.3	62.5	52.8	50.9	66.8	46.1	44.8	50.4	52.4	4.0
Other Injury	23.5	13.1	14.4	18.1	17.0	17.6	18.4	13.2	12.8	4.5	15.0	-36.2
Intentional self-harm (suicide)	20.2	26.2	17.6	31.3	35.8	17.6	16.7	18.1	14.4	16.8	6.0	-70.3
Assault (homicide)	6.7	8.2	12.8	14.8	24.5	14.1	20.0	14.8	8.0	4.6	7.5	11.9
Malignant neoplasm	5.0	1.6	1.6	8.2	1.9	8.8	1.7	8.2	1.6	4.6	1.5	-70.0
Diseases of heart	6.7	1.6	1.6	0.0	5.7	1.8	0.0	1.6	3.2	0.0	1.5	-77.6
ALL CAUSES	121.0	116.2	100.5	159.6	145.2	128.2	145.1	117.0	91.1	96.1	92.8	-23.3
(Number of all deaths)	(72)	(71)	(63)	(97)	(77)	(73)	(86)	(71)	(57)	(63)	(62)	(-13.9)
<b>STATEWIDE</b>												
Accidents (unintentional injuries)	47.5	40.3	39.0	48.9	43.9	52.8	46.1	35.7	39.9	35.8	35.9	-24.4
Motor vehicle accidents	35.3	31.0	26.6	38.4	35.9	40.9	37.0	27.2	32.3	29.4	27.5	-22.1
Other Injury	12.2	9.3	12.4	10.6	8.0	11.9	9.1	8.5	7.6	6.5	8.4	-31.1
Assault (homicide)	10.7	19.0	18.6	23.9	27.9	33.4	24.4	19.0	16.8	16.2	14.4	34.6
Intentional self-harm (suicide)	16.1	18.3	12.4	22.7	23.7	18.7	18.2	23.7	15.2	10.6	11.1	-31.1
Malignant neoplasm	3.5	4.1	2.9	3.9	5.7	4.3	3.3	4.4	3.7	3.5	3.8	8.6
Diseases of heart	2.7	1.5	0.4	2.7	2.3	1.4	1.6	2.2	2.4	2.1	1.6	-40.7
ALL CAUSES	90.5	97.0	85.9	117.0	115.6	130.4	114.6	103.1	90.9	81.4	78.9	-12.8
(Number of all deaths)	(236)	(260)	(236)	(299)	(303)	(363)	(353)	(326)	(298)	(277)	(290)	(22.9)

<sup>1</sup> Rates are presented per 100,000 adolescents 15-19 years old.

<sup>2</sup> The five causes with the greatest number of deaths statewide over the 1989-1999 period.

<sup>3</sup> Prior to 1990, Maricopa and Pima Counties were delineated by the Office of Management and Budget as urbanized areas in Arizona. Beginning in 1990, Yuma County, and in 1993, Pinal County, met the criteria and were classified as urban. The remaining counties comprise Arizona's rural areas.

Note: Records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area. The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2000 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999. Measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" – for the causes of death shown in this report are provided in the *Technical Notes*.