

**TABLE 2C-21  
MORTALITY RATES<sup>1</sup> FOR THE FIVE-LEADING CAUSES<sup>2</sup> OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)  
IN URBAN AND RURAL AREAS<sup>3</sup>, ARIZONA, 1993-2003**

Area/Cause	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	% Change from 1993
<b>URBAN</b>												
Malignant neoplasms	248.2	255.6	224.6	212.2	203.9	204.0	205.3	196.6	193.2	202.4	198.0	-20.2
Diseases of heart	191.4	181.3	173.0	161.6	155.7	151.2	146.3	132.5	129.8	135.3	125.9	-34.2
Chronic lower respiratory diseases	31.2	29.3	27.6	27.6	32.7	26.8	26.2	25.1	27.8	23.0	21.2	-32.1
Accidents (unintentional injuries)	32.9	40.6	36.9	35.2	37.5	39.5	43.1	41.0	42.8	45.1	40.6	23.4
Motor vehicle accidents	15.5	18.7	18.1	16.6	15.8	18.0	19.6	17.0	12.5	18.0	14.7	-5.2
Other injury	17.3	21.9	18.8	18.6	21.7	21.4	23.5	24.0	30.3	27.1	25.9	49.7
Chronic liver disease and cirrhosis	30.5	30.9	27.6	24.8	26.9	26.3	29.2	28.3	26.9	25.8	26.8	-12.1
ALL CAUSES	738.5	745.9	687.1	660.8	642.1	638.4	655.0	619.2	615.7	637.2	630.2	-14.7
(Number of all deaths)	(4,044)	(4,424)	(4,433)	(4,577)	(4,673)	(4,885)	(5,302)	(5,345)	(5,509)	(5,878)	(5,987)	48.0
<b>RURAL</b>												
Malignant neoplasms	257.6	237.6	276.4	246.3	237.0	252.7	230.7	197.1	199.7	205.5	210.1	-18.4
Diseases of heart	240.9	217.8	230.5	194.2	187.6	201.2	172.2	164.7	153.6	159.4	162.4	-32.6
Accidents (unintentional injuries)	53.1	60.8	57.3	66.9	66.0	64.5	65.7	48.8	50.4	60.3	68.2	28.4
Motor vehicle accidents	25.3	33.2	35.4	41.2	32.7	27.8	30.1	22.7	23.1	31.1	35.7	41.1
Other injury	27.8	27.6	21.9	25.7	33.3	36.7	35.7	26.1	27.3	29.2	32.5	16.9
Chronic lower respiratory diseases	35.8	26.2	41.7	29.6	30.9	31.4	30.6	20.3	22.1	26.9	25.0	-30.2
Chronic liver disease and cirrhosis	27.8	33.2	37.3	39.2	31.5	39.6	26.7	32.4	29.7	27.4	37.9	36.3
ALL CAUSES	859.1	804.6	873.9	802.6	772.1	806.6	772.8	693.7	683.9	725.8	750.7	-12.6
(Number of all deaths)	(1,391)	(1,138)	(1,236)	(1,248)	(1,248)	(1,363)	(1,387)	(1,436)	(1,452)	(1,589)	(1,683)	21.0
<b>STATEWIDE</b>												
Malignant neoplasms	250.3	252.1	231.3	220.1	209.9	212.9	210.1	196.7	194.6	203.0	200.3	-20.0
Diseases of heart	202.7	188.3	181.3	167.5	161.5	160.4	151.0	138.8	134.3	140.0	132.9	-34.4
Accidents (unintentional injuries)	37.5	44.5	40.1	41.0	42.7	44.1	47.4	42.7	44.4	48.0	46.0	22.7
Motor vehicle accidents	17.8	21.5	21.0	21.1	18.9	19.8	21.6	18.3	14.5	20.5	18.8	5.6
Other injury	19.7	23.0	19.1	19.9	23.8	24.3	25.8	24.4	29.9	27.5	27.2	38.1
Chronic lower respiratory diseases	32.3	28.7	29.8	28.0	32.4	27.6	27.2	24.2	26.7	23.7	21.9	-32.2
Chronic liver disease and cirrhosis	29.9	31.4	29.3	27.5	27.9	28.7	28.7	29.1	27.5	26.1	29.0	-3.0
ALL CAUSES	766.1	757.2	712.8	686.8	667.3	669.9	677.1	633.9	632.1	654.8	653.7	-14.7
(Number of all deaths)	(5,435)	(5,562)	(5,669)	(5,825)	(5,937)	(6,258)	(6,696)	(6,785)	(6,998)	(7,474)	(7,675)	41.2

<sup>1</sup>Rates are presented per 100,000 middle-aged adults 45-64 years old.

<sup>2</sup>The five causes with the greatest number of deaths over the 1993-2003 period.

<sup>3</sup>Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas. See *Technical Notes* for more information.

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 2000-2003 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*.