

**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, 1995-2005**

Area/Cause	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	% change from 1995
<b>URBAN</b>												
Malignant neoplasms	224.6	212.2	203.9	204.0	205.3	196.6	193.2	202.4	198.0	188.9	190.5	-15.2
Diseases of heart	173.0	161.6	155.7	151.2	146.3	132.5	129.8	135.3	125.9	127.0	132.5	-23.4
Chronic lower respiratory diseases	27.6	27.6	32.7	26.8	26.2	25.1	27.8	23.0	21.2	21.9	25.8	-6.5
Accident (unintentional injury)	36.9	35.2	37.5	39.5	43.1	41.0	42.8	45.1	40.6	47.6	55.7	50.9
Motor vehicle accident	18.1	16.6	15.8	18.0	19.6	17.0	12.5	18.0	14.7	17.0	18.7	3.3
Other injury	18.8	18.6	21.7	21.4	23.5	24.0	30.3	27.1	25.9	30.6	37.0	96.8
Chronic liver disease and cirrhosis	27.6	24.8	26.9	26.3	29.2	28.3	26.9	25.8	26.8	25.2	30.0	8.7
ALL CAUSES	687.1	660.8	642.1	638.4	655.0	619.2	615.7	637.2	630.2	620.7	647.8	-5.7
(Number of all deaths)	(4433)	(4577)	(4673)	(4885)	(5302)	(5345)	(5509)	(5878)	(5987)	(6140)	(6658)	(-50.2)
<b>RURAL</b>												
Malignant neoplasms	276.4	246.3	237.0	252.7	230.7	197.1	199.7	205.5	210.1	225.2	219.6	-20.5
Diseases of heart	230.5	194.2	187.6	201.2	172.2	164.7	153.6	159.4	162.4	164.5	165.9	-28.0
Accident (unintentional injury)	57.3	66.9	66.0	64.5	65.7	48.8	50.4	60.3	68.2	71.0	72.5	26.5
Motor vehicle accident	35.4	41.2	32.7	27.8	30.1	22.7	23.1	31.1	35.7	30.6	36.0	1.7
Other injury	21.9	25.7	33.3	36.7	35.7	26.1	27.3	29.2	32.5	40.4	36.5	66.7
Chronic lower respiratory diseases	41.7	29.6	30.9	31.4	30.6	20.3	22.1	26.9	25.0	18.9	31.4	-24.7
Chronic liver disease and cirrhosis	37.3	39.2	31.5	39.6	26.7	32.4	29.7	27.4	37.9	44.8	39.8	6.7
ALL CAUSES	873.9	802.6	772.1	806.6	772.8	693.7	683.9	725.8	750.7	768.9	781.4	-10.6
(Number of all deaths)	(1236)	(1248)	(1248)	(1363)	(1387)	(1436)	(1452)	(1589)	(1683)	(1786)	(1865)	(50.9)
<b>STATEWIDE</b>												
Malignant neoplasms	231.3	220.1	209.9	212.9	210.1	196.7	194.6	203.0	200.3	195.8	196.0	-15.3
Diseases of heart	181.3	167.5	161.5	160.4	151.0	138.8	134.3	140.0	132.9	134.2	138.8	-23.4
Accident (unintentional injury)	40.1	41.0	42.7	44.1	47.4	42.7	44.4	48.0	46.0	52.1	58.8	46.6
Motor vehicle accident	21.0	21.1	18.9	19.8	21.6	18.3	14.5	20.5	18.8	19.6	22.0	4.8
Other injury	19.1	19.9	23.8	24.3	25.8	24.4	29.9	27.5	27.2	32.5	36.8	92.7
Chronic lower respiratory diseases	29.8	28.0	32.4	27.6	27.2	24.2	26.7	23.7	21.9	21.4	26.8	-10.1
Chronic liver disease and cirrhosis	29.3	27.5	27.9	28.7	28.7	29.1	27.5	26.1	29.0	28.9	31.8	8.5
ALL CAUSES	712.8	686.8	667.3	669.9	677.1	633.9	632.1	654.8	653.7	649.1	673.1	-5.6
(Number of all deaths)	(5669)	(5825)	(5937)	(6258)	(6696)	(6785)	(6998)	(7474)	(7675)	(7928)	(8524)	(50.4)

<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 1995-2005 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 2000-2005 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**.