

**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, 1996-2006**

Area/Cause	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	% change from 1996
<b>URBAN</b>												
Malignant neoplasms	212.2	203.9	204.0	205.3	196.6	193.2	202.4	198.0	188.9	190.5	174.8	-17.6
Diseases of heart	161.6	155.7	151.2	146.3	132.5	129.8	135.3	125.9	127.0	132.5	119.9	-25.8
Chronic lower respiratory diseases	27.6	32.7	26.8	26.2	25.1	27.8	23.0	21.2	21.9	25.8	22.3	-19.2
Accidents (unintentional injuries)	35.2	37.5	39.5	43.1	41.0	42.8	45.1	40.6	47.6	55.7	54.2	54.0
Motor vehicle accidents	16.6	15.8	18.0	19.6	17.0	12.5	18.0	14.7	17.0	18.7	19.7	18.7
Other injury	18.6	21.7	21.4	23.5	24.0	30.3	27.1	25.9	30.6	37.0	34.5	85.5
Chronic liver disease and cirrhosis	24.8	26.9	26.3	29.2	28.3	26.9	25.8	26.8	25.2	30.0	23.3	-6.0
ALL CAUSES	660.8	642.1	638.4	655.0	619.2	615.7	637.2	630.2	620.7	647.8	595.0	-10.0
(Number of all deaths)	(4577)	(4673)	(4885)	(5302)	(5345)	(5509)	(5878)	(5987)	(6140)	(6658)	(6834)	49.3
<b>RURAL</b>												
Malignant neoplasms	246.3	237.0	252.7	230.7	197.1	199.7	205.5	210.1	225.2	219.6	197.0	-20.0
Diseases of heart	194.2	187.6	201.2	172.2	164.7	153.6	159.4	162.4	164.5	165.9	148.1	-23.7
Accidents (unintentional injuries)	66.9	66.0	64.5	65.7	48.8	50.4	60.3	68.2	71.0	72.5	74.9	12.0
Motor vehicle accidents	41.2	32.7	27.8	30.1	22.7	23.1	31.1	35.7	30.6	36.0	37.0	-10.2
Other injury	25.7	33.3	36.7	35.7	26.1	27.3	29.2	32.5	40.4	36.5	37.9	47.5
Chronic lower respiratory diseases	29.6	30.9	31.4	30.6	20.3	22.1	26.9	25.0	18.9	31.4	24.8	-16.2
Chronic liver disease and cirrhosis	39.2	31.5	39.6	26.7	32.4	29.7	27.4	37.9	44.8	39.8	32.3	-17.6
ALL CAUSES	802.6	772.1	806.6	772.8	693.7	683.9	725.8	750.7	768.9	781.4	702.9	-12.4
(Number of all deaths)	(1248)	(1248)	(1363)	(1387)	(1436)	(1452)	(1589)	(1683)	(1786)	(1865)	(1784)	42.9
<b>STATEWIDE</b>												
Malignant neoplasms	220.1	209.9	212.9	210.1	196.7	194.6	203.0	200.3	195.8	196.0	178.8	-18.8
Diseases of heart	167.5	161.5	160.4	151.0	138.8	134.3	140.0	132.9	134.2	138.8	125.0	-25.4
Accidents (unintentional injuries)	41.0	42.7	44.1	47.4	42.7	44.4	48.0	46.0	52.1	58.8	57.9	41.2
Motor vehicle accidents	21.1	18.9	19.8	21.6	18.3	14.5	20.5	18.8	19.6	22.0	22.8	8.1
Other injury	19.9	23.8	24.3	25.8	24.4	29.9	27.5	27.2	32.5	36.8	35.1	76.4
Chronic lower respiratory diseases	28.0	32.4	27.6	27.2	24.2	26.7	23.7	21.9	21.4	26.8	22.7	-18.9
Chronic liver disease and cirrhosis	27.5	27.9	28.7	28.7	29.1	27.5	26.1	29.0	28.9	31.8	25.0	-9.1
ALL CAUSES	686.8	667.3	669.9	677.1	633.9	632.1	654.8	653.7	649.1	673.1	614.6	-10.5
(Number of all deaths)	(5825)	(5937)	(6258)	(6696)	(6785)	(6998)	(7474)	(7675)	(7928)	(8524)	(8618)	47.9

<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 1996-2006 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 2000-2006 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**.