

TABLE 2C-21
MORTALITY RATES¹ FOR THE FIVE LEADING CAUSES² OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
IN URBAN AND RURAL AREAS³, ARIZONA, 1997-2007

Area/Cause	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	% change from 1997
URBAN												
Malignant neoplasms	203.9	204.0	205.3	196.6	193.2	202.4	198.0	188.9	190.5	174.8	169.6	-16.8
Diseases of heart	155.7	151.2	146.3	132.5	129.8	135.3	125.9	127.0	132.5	119.9	109.4	-29.7
Chronic lower respiratory diseases	32.7	26.8	26.2	25.1	27.8	23.0	21.2	21.9	25.8	22.3	20.5	-37.3
Accidents (unintentional injuries)	37.5	39.5	43.1	41.0	42.8	45.1	40.6	47.6	55.7	54.2	47.8	27.5
Motor vehicle accidents	15.8	18.0	19.6	17.0	12.5	18.0	14.7	17.0	18.7	19.7	13.7	-13.3
Other injury	21.7	21.4	23.5	24.0	30.3	27.1	25.9	30.6	37.0	34.5	34.1	57.1
Chronic liver disease and cirrhosis	26.9	26.3	29.2	28.3	26.9	25.8	26.8	25.2	30.0	23.3	23.0	-14.5
ALL CAUSES	642.1	638.4	655.0	619.2	615.7	637.2	630.2	620.7	647.8	595.0	559.7	-12.8
(Number of all deaths)	(4673)	(4885)	(5302)	(5345)	(5509)	(5878)	(5987)	(6140)	(6658)	(6834)	(6812)	45.8
RURAL												
Malignant neoplasms	237.0	252.7	230.7	197.1	199.7	205.5	210.1	225.2	219.6	197.0	188.3	-20.5
Diseases of heart	187.6	201.2	172.2	164.7	153.6	159.4	162.4	164.5	165.9	148.1	149.6	-20.3
Accidents (unintentional injuries)	66.0	64.5	65.7	48.8	50.4	60.3	68.2	71.0	72.5	74.9	65.3	-1.1
Motor vehicle accidents	32.7	27.8	30.1	22.7	23.1	31.1	35.7	30.6	36.0	37.0	26.6	-18.7
Other injury	33.3	36.7	35.7	26.1	27.3	29.2	32.5	40.4	36.5	37.9	38.7	16.2
Chronic lower respiratory diseases	30.9	31.4	30.6	20.3	22.1	26.9	25.0	18.9	31.4	24.8	28.1	-9.1
Chronic liver disease and cirrhosis	31.5	39.6	26.7	32.4	29.7	27.4	37.9	44.8	39.8	32.3	36.1	14.6
ALL CAUSES	772.1	806.6	772.8	693.7	683.9	725.8	750.7	768.9	781.4	702.9	687.3	-11.0
(Number of all deaths)	(1248)	(1363)	(1387)	(1436)	(1452)	(1589)	(1683)	(1786)	(1865)	(1784)	(1810)	45.0
STATEWIDE												
Malignant neoplasms	209.9	212.9	210.1	196.7	194.6	203.0	200.3	195.8	196.0	178.8	173.0	-17.6
Diseases of heart	161.5	160.4	151.0	138.8	134.3	140.0	132.9	134.2	138.8	125.0	116.6	-27.8
Accidents (unintentional injuries)	42.7	44.1	47.4	42.7	44.4	48.0	46.0	52.1	58.8	57.9	51.2	19.9
Motor vehicle accidents	18.9	19.8	21.6	18.3	14.5	20.5	18.8	19.6	22.0	22.8	16.0	-15.3
Other injury	23.8	24.3	25.8	24.4	29.9	27.5	27.2	32.5	36.8	35.1	35.2	47.9
Chronic lower respiratory diseases	32.4	27.6	27.2	24.2	26.7	23.7	21.9	21.4	26.8	22.7	21.8	-32.7
Chronic liver disease and cirrhosis	27.9	28.7	28.7	29.1	27.5	26.1	29.0	28.9	31.8	25.0	25.3	-9.3
ALL CAUSES	667.3	669.9	677.1	633.9	632.1	654.8	653.7	649.1	673.1	614.6	582.8	-12.7
(Number of all deaths)	(5937)	(6258)	(6696)	(6785)	(6998)	(7474)	(7675)	(7928)	(8524)	(8618)	(8629)	45.3

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

²The five causes with the greatest number of deaths over the 1997-2007 period.

³Urban = 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 2000-2007 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**.