

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, 1999-2009

Area/Cause	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	% change from 1999
URBAN												
Malignant neoplasms	205.3	196.6	193.2	202.4	198.0	188.9	190.5	174.8	169.6	162.8	165.4	-19.4
Diseases of heart	146.3	132.5	129.8	135.3	125.9	127.0	132.5	119.9	109.4	109.8	101.3	-30.8
Accidents (unintentional injuries)	43.1	41.0	42.8	45.1	40.6	47.6	55.7	54.2	47.8	51.6	48.8	13.2
Motor vehicle accidents	19.6	17.0	12.5	18.0	14.7	17.0	18.7	19.7	13.7	14.8	11.5	-41.3
Other injury	23.5	24.0	30.3	27.1	25.9	30.6	37.0	34.5	34.1	36.8	37.3	58.7
Chronic liver disease and cirrhosis	29.2	28.3	26.9	25.8	26.8	25.2	30.0	23.3	23.0	27.4	25.7	-12.0
Chronic lower respiratory diseases	26.2	25.1	27.8	23.0	21.2	21.9	25.8	22.3	20.5	23.6	20.2	-22.9
ALL CAUSES	655.0	619.2	615.7	637.2	630.2	620.7	647.8	595.0	559.7	559.5	559.4	-14.6
(Number of all deaths)	(5302)	(5345)	(5509)	(5878)	(5987)	(6140)	(6658)	(6834)	(6812)	(6918)	(6979)	31.6
RURAL												
Malignant neoplasms	230.7	197.1	199.7	205.5	210.1	225.2	219.6	197.0	188.3	188.1	176.9	-23.3
Diseases of heart	172.2	164.7	153.6	159.4	162.4	164.5	165.9	148.1	149.6	156.0	164.3	-4.6
Accidents (unintentional injuries)	65.7	48.8	50.4	60.3	68.2	71.0	72.5	74.9	65.3	68.1	71.4	8.7
Motor vehicle accidents	30.1	22.7	23.1	31.1	35.7	30.6	36.0	37.0	26.6	27.3	24.8	-17.6
Other injury	35.7	26.1	27.3	29.2	32.5	40.4	36.5	37.9	38.7	40.8	46.6	30.5
Chronic liver disease and cirrhosis	26.7	32.4	29.7	27.4	37.9	44.8	39.8	32.3	36.1	39.6	43.3	62.2
Chronic lower respiratory diseases	30.6	20.3	22.1	26.9	25.0	18.9	31.4	24.8	28.1	29.5	27.4	-10.5
ALL CAUSES	772.8	693.7	683.9	725.8	750.7	768.9	781.4	702.9	687.3	727.8	713.2	-7.7
(Number of all deaths)	(1387)	(1436)	(1452)	(1589)	(1683)	(1786)	(1865)	(1784)	(1810)	(1946)	(1927)	38.9
STATEWIDE												
Malignant neoplasms	210.1	196.7	194.6	203.0	200.3	195.8	196.0	178.8	173.0	167.6	167.9	-20.1
Diseases of heart	151.0	138.8	134.3	140.0	132.9	134.2	138.8	125.0	116.6	118.2	112.9	-25.2
Accidents (unintentional injuries)	47.4	42.7	44.4	48.0	46.0	52.1	58.8	57.9	51.2	54.9	53.6	13.1
Motor vehicle accidents	21.6	18.3	14.5	20.5	18.8	19.6	22.0	22.8	16.0	17.2	14.0	-35.2
Other injury	25.8	24.4	29.9	27.5	27.2	32.5	36.8	35.1	35.2	37.7	39.5	53.1
Chronic liver disease and cirrhosis	28.7	29.1	27.5	26.1	29.0	28.9	31.8	25.0	25.3	29.7	29.1	1.4
Chronic lower respiratory diseases	27.2	24.2	26.7	23.7	21.9	21.4	26.8	22.7	21.8	24.7	21.5	-21.0
ALL CAUSES	677.1	633.9	632.1	654.8	653.7	649.1	673.1	614.6	582.8	591.8	590.0	-12.9
(Number of all deaths)	(6696)	(6785)	(6998)	(7474)	(7675)	(7928)	(8524)	(8618)	(8629)	(8899)	(8855)	32.2

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

²The five causes with the greatest number of deaths over the 1999-2009 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 2000-2009 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**