

**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, 1990-2000**

Area/Cause	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	% change from 1990
URBAN												
Malignant neoplasm	250.4	260.0	251.8	248.2	255.6	224.6	212.2	203.9	204.0	205.3	196.6	-21.5
Diseases of heart	185.1	183.5	182.4	191.4	181.3	173.0	161.6	155.7	151.2	146.3	132.5	-28.4
Chronic lower respiratory diseases	34.3	34.1	29.3	31.2	29.3	27.6	27.6	32.7	26.8	26.2	25.1	-26.8
Accidents (unintentional injuries)	35.7	27.0	27.4	32.9	40.6	36.9	35.2	37.5	39.5	43.1	41.0	14.8
Motor vehicle accidents	19.9	14.9	12.9	15.5	18.7	18.1	16.6	15.8	18.0	19.6	17.0	-14.6
Other injury	15.8	12.0	14.6	17.3	21.9	18.8	18.6	21.7	21.4	23.5	24.0	51.9
Chronic liver disease and cirrhosis	26.3	24.6	24.8	30.5	30.9	27.6	24.8	26.9	26.3	29.2	28.3	7.6
ALL CAUSES	707.5	714.9	705.5	738.5	745.9	687.1	660.8	642.1	638.4	655.0	619.2	-12.5
(Number of all deaths)	(3,552)	(3,685)	(3,729)	(4,044)	(4,424)	(4,433)	(4,577)	(4,673)	(4,885)	(5,302)	(5,345)	(50.5)
RURAL												
Malignant neoplasm	238.8	271.6	256.5	257.6	237.6	276.4	246.3	237.0	252.7	230.7	197.1	-17.5
Diseases of heart	220.4	205.4	224.2	240.9	217.8	230.5	194.2	187.6	201.2	172.2	164.7	-25.3
Accidents (unintentional injuries)	57.8	57.6	60.7	53.1	60.8	57.3	66.9	66.0	64.5	65.7	48.8	-15.6
Motor vehicle accidents	40.8	35.1	33.6	25.3	33.2	35.4	41.2	32.7	27.8	30.1	22.7	-44.4
Other injury	17.1	22.5	27.1	27.8	27.6	21.9	25.7	33.3	36.7	35.7	26.1	52.6
Chronic lower respiratory diseases	35.4	33.8	38.8	35.8	26.2	41.7	29.6	30.9	31.4	30.6	20.3	-42.7
Chronic liver disease and cirrhosis	38.1	41.1	36.8	27.8	33.2	37.3	39.2	31.5	39.6	26.7	32.4	-15.0
ALL CAUSES	825.8	816.2	855.4	859.1	804.6	873.9	802.6	772.1	806.6	772.8	693.7	-23.3
(Number of all deaths)	(1,214)	(1,232)	(1,324)	(1,391)	(1,138)	(1,236)	(1,248)	(1,248)	(1,363)	(1,387)	(1,436)	(18.3)
STATEWIDE												
Malignant neoplasm	247.8	262.6	252.9	250.3	252.1	231.3	220.1	209.9	212.9	210.1	196.7	-20.6
Diseases of heart	193.1	188.5	191.9	202.7	188.3	181.3	167.5	161.5	160.4	151.0	138.8	-28.1
Accidents (unintentional injuries)	40.7	33.9	35.0	37.5	44.5	40.1	41.0	42.7	44.1	47.4	42.7	4.9
Motor vehicle accidents	24.7	19.5	17.6	17.8	21.5	21.0	21.1	18.9	19.8	21.6	18.3	-25.9
Other injury	16.0	14.4	17.4	19.7	23.0	19.1	19.9	23.8	24.3	25.8	24.4	52.5
Chronic lower respiratory diseases	34.5	34.1	31.5	32.3	28.7	29.8	28.0	32.4	27.6	27.2	24.2	-29.9
Chronic liver disease and cirrhosis	29.0	28.6	27.5	29.9	31.4	29.3	27.5	27.9	28.7	28.7	29.1	0.3
ALL CAUSES	734.3	737.8	739.5	766.1	757.2	712.8	686.8	667.3	669.9	677.1	633.9	-13.7
(Number of all deaths)	(4,766)	(4,917)	(5,053)	(5,435)	(5,562)	(5,669)	(5,825)	(5,937)	(6,258)	(6,696)	(6,785)	(42.4)

¹ Rates are presented per 100,000 persons 45-64 years old.

² The five causes with the greatest number of deaths over the 1990-2000 period.

³ Prior to 1990, Maricopa and Pima Counties were delineated as urbanized areas in Arizona. Beginning in 1990, Yuma County and in 1993 Pinal County met the criteria and were classified as urban. The remaining counties comprise Arizona's rural areas.

Note: 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 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*.