

**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, 1991-2001**

Area/Cause	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	% change from 1991
URBAN												
Malignant neoplasm	260.0	251.8	248.2	255.6	224.6	212.2	203.9	204.0	205.3	196.6	193.2	-25.7
Diseases of heart	183.5	182.4	191.4	181.3	173.0	161.6	155.7	151.2	146.3	132.5	129.8	-29.3
Chronic lower respiratory diseases	34.1	29.3	31.2	29.3	27.6	27.6	32.7	26.8	26.2	25.1	27.8	-18.5
Accidents (unintentional injuries)	27.0	27.4	32.9	40.6	36.9	35.2	37.5	39.5	43.1	41.0	42.8	58.5
Motor vehicle accidents	14.9	12.9	15.5	18.7	18.1	16.6	15.8	18.0	19.6	17.0	12.5	-16.1
Other injury	12.0	14.6	17.3	21.9	18.8	18.6	21.7	21.4	23.5	24.0	30.3	152.5
Chronic liver disease and cirrhosis	24.6	24.8	30.5	30.9	27.6	24.8	26.9	26.3	29.2	28.3	26.9	9.3
ALL CAUSES	714.9	705.5	738.5	745.9	687.1	660.8	642.1	638.4	655.0	619.2	615.7	-13.9
(Number of all deaths)	(3,685)	(3,729)	(4,044)	(4,424)	(4,433)	(4,577)	(4,673)	(4,885)	(5,302)	(5,345)	(5,509)	(49.5)
RURAL												
Malignant neoplasm	271.6	256.5	257.6	237.6	276.4	246.3	237.0	252.7	230.7	197.1	199.7	-26.5
Diseases of heart	205.4	224.2	240.9	217.8	230.5	194.2	187.6	201.2	172.2	164.7	153.6	-25.2
Accidents (unintentional injuries)	57.6	60.7	53.1	60.8	57.3	66.9	66.0	64.5	65.7	48.8	50.4	-12.5
Motor vehicle accidents	35.1	33.6	25.3	33.2	35.4	41.2	32.7	27.8	30.1	22.7	23.1	-34.2
Other injury	22.5	27.1	27.8	27.6	21.9	25.7	33.3	36.7	35.7	26.1	27.3	21.3
Chronic lower respiratory diseases	33.8	38.8	35.8	26.2	41.7	29.6	30.9	31.4	30.6	20.3	22.1	-34.6
Chronic liver disease and cirrhosis	41.1	36.8	27.8	33.2	37.3	39.2	31.5	39.6	26.7	32.4	29.7	-27.7
ALL CAUSES	816.2	855.4	859.1	804.6	873.9	802.6	772.1	806.6	772.8	693.7	683.9	-16.2
(Number of all deaths)	(1,232)	(1,324)	(1,391)	(1,138)	(1,236)	(1,248)	(1,248)	(1,363)	(1,387)	(1,436)	(1,452)	(17.9)
STATEWIDE												
Malignant neoplasm	262.6	252.9	250.3	252.1	231.3	220.1	209.9	212.9	210.1	196.7	194.6	-25.9
Diseases of heart	188.5	191.9	202.7	188.3	181.3	167.5	161.5	160.4	151.0	138.8	134.3	-28.7
Accidents (unintentional injuries)	33.9	35.0	37.5	44.5	40.1	41.0	42.7	44.1	47.4	42.7	44.4	31.0
Motor vehicle accidents	19.5	17.6	17.8	21.5	21.0	21.1	18.9	19.8	21.6	18.3	14.5	-25.6
Other injury	14.4	17.4	19.7	23.0	19.1	19.9	23.8	24.3	25.8	24.4	29.9	107.6
Chronic lower respiratory diseases	34.1	31.5	32.3	28.7	29.8	28.0	32.4	27.6	27.2	24.2	26.7	-21.7
Chronic liver disease and cirrhosis	28.6	27.5	29.9	31.4	29.3	27.5	27.9	28.7	28.7	29.1	27.5	-3.8
ALL CAUSES	737.8	739.5	766.1	757.2	712.8	686.8	667.3	669.9	677.1	633.9	632.1	-14.3
(Number of all deaths)	(4,917)	(5,053)	(5,435)	(5,562)	(5,669)	(5,825)	(5,937)	(6,258)	(6,696)	(6,785)	(6,998)	(42.3)

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

²The five causes with the greatest number of deaths over the 1991-2001 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. 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 and 2001 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*