

TABLE 2C-20
MORTALITY RATES¹ FOR THE FIVE LEADING CAUSES² OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
BY GENDER, ARIZONA, 1998-2008

Gender/Cause	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change from 1998
MALE												
Malignant neoplasms	236.7	229.0	212.9	204.3	228.3	220.6	213.1	210.6	192.1	192.1	183.9	-22.3
Diseases of heart	240.9	225.3	202.0	197.4	206.1	196.7	196.7	207.5	186.7	170.8	162.9	-32.4
Accidents (unintentional injuries)	66.3	74.0	65.8	66.6	70.9	68.8	75.7	86.2	81.2	73.2	61.9	-6.6
Motor vehicle accidents	26.8	32.3	26.8	19.8	29.3	26.2	27.7	33.7	31.9	23.1	24.1	-10.1
Other than motor vehicle	39.5	29.0	39.0	46.8	41.6	42.6	48.0	52.5	49.3	50.1	37.8	-4.3
Chronic liver disease and cirrhosis	43.0	42.3	41.9	42.5	36.0	42.7	42.3	45.1	34.4	35.5	38.0	-11.6
Suicide	32.4	33.9	29.7	25.6	34.4	29.4	31.6	32.7	31.9	35.0	32.0	-1.2
ALL CAUSES	863.9	866.1	808.6	811.2	839.0	840.1	823.9	852.1	772.8	746.4	741.9	-14.1
(Number of all deaths)	(3894)	(4133)	(4190)	(4348)	(4637)	(4776)	(4906)	(5232)	(5282)	(5397)	(5450)	40.0
FEMALE												
Malignant neoplasms	190.7	192.5	181.5	185.4	179.2	181.3	179.4	182.3	166.2	154.7	151.2	-20.7
Diseases of heart	85.2	81.7	79.5	75.1	78.0	72.8	74.8	74.2	66.4	65.0	58.1	-31.8
Accidents (unintentional injuries)	23.4	22.7	21.0	23.5	26.5	24.6	29.6	33.1	35.8	30.2	26.6	13.7
Motor vehicle accidents	13.2	11.7	10.3	9.6	12.2	11.9	11.8	10.9	14.2	9.2	9.7	-26.5
Other than motor vehicle	10.1	10.9	10.7	13.9	14.3	12.7	17.8	22.2	21.6	21.0	16.9	67.3
Chronic lower respiratory diseases	22.3	23.5	20.6	25.7	19.9	22.5	18.5	25.4	21.6	23.6	24.0	7.6
Diabetes	18.8	20.3	17.0	19.6	19.5	17.2	19.0	20.1	19.1	14.0	16.0	-14.9
ALL CAUSES	489.0	500.9	470.0	464.1	481.8	478.5	482.7	504.6	464.1	426.7	448.4	-8.3
(Number of all deaths)	(2364)	(2563)	(2595)	(2650)	(2837)	(2898)	(3022)	(3292)	(3336)	(3232)	(3449)	45.9
TOTAL												
Malignant neoplasms	212.9	210.1	196.7	194.6	203.0	200.3	195.8	196.0	178.8	173.0	167.2	-21.5
Diseases of heart	160.4	151.0	138.8	134.3	140.0	132.9	134.2	138.8	125.0	116.6	109.3	-31.9
Accidents (unintentional injuries)	44.1	47.4	42.7	44.4	48.0	46.0	52.1	58.8	57.9	51.2	43.9	-0.5
Motor vehicle accidents	19.8	21.6	18.3	14.5	20.5	18.8	19.6	22.0	22.8	16.0	16.8	-15.2
Other than motor vehicle	24.3	25.8	24.4	29.9	27.5	27.2	32.5	36.8	35.1	35.2	27.1	11.5
Chronic liver disease and cirrhosis	28.7	28.7	29.1	27.5	26.1	29.0	28.9	31.8	25.0	25.3	28.7	0.0
Chronic lower respiratory diseases	27.6	27.2	24.2	26.7	23.7	21.9	21.4	26.8	22.7	21.8	24.3	-12.0
ALL CAUSES	669.9	677.1	633.9	632.1	654.8	653.7	649.1	673.1	614.6	582.8	591.8	-11.7
(Number of all deaths)	(6258)	(6696)	(6785)	(6998)	(7474)	(7675)	(7928)	(8524)	(8618)	(8629)	(8899)	42.2

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

²The five causes with the greatest number of deaths over the 1998-2008 period. Suicide (2,051 deaths in 1998-2008) replaced chronic lower respiratory diseases (1,675 deaths) as the fifth leading cause of death among male middle-aged adults. Diabetes (1,236 deaths in 1998-2008) replaced chronic liver disease and cirrhosis (1,135 deaths) as the fifth leading cause of death among female middle-aged adults.

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 2000-2008 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*.