

**TABLE 2C-24**  
**MORTALITY RATES<sup>1</sup> FOR THE FIVE LEADING CAUSES<sup>2</sup> OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER,**  
**ARIZONA, 1998-2008**

Gender/Cause	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	% change from 1998
<b>MALE</b>												
Diseases of heart	1449.3	1406.8	1475.7	1378.0	1363.9	1335.3	1241.4	1238.7	1138.7	1079.2	1104.6	-23.8
Malignant neoplasms	1114.2	1118.4	1171.9	1091.2	1119.6	1126.0	1085.8	1068.2	1058.2	1020.4	1006.6	-9.7
Chronic lower respiratory diseases	364.4	354.1	369.3	338.0	352.3	340.9	296.0	317.3	326.7	300.9	316.8	-13.1
Cerebrovascular diseases	285.9	297.3	309.9	277.0	269.4	248.9	242.2	224.9	195.2	168.6	188.3	-34.1
Influenza and pneumonia	147.0	166.7	161.7	145.8	150.0	161.5	139.8	140.8	127.3	93.0	106.4	-27.6
ALL CAUSES	4603.3	4618.9	4761.6	4626.6	4663.4	4536.2	4338.0	4401.4	4282.4	4002.8	4095.0	-11.0
(Number of all deaths)	(13492)	(14141)	(14107)	(14182)	(14733)	(14744)	(14614)	(15385)	(15273)	(14981)	(15589)	15.5
<b>FEMALE</b>												
Diseases of heart	1154.1	1117.9	1165.3	1126.8	1101.9	1098.6	1028.8	1013.9	968.0	891.9	855.7	-25.9
Malignant neoplasms	765.5	771.2	814.6	781.9	734.5	757.2	731.8	721.8	713.1	696.4	690.6	-9.8
Cerebrovascular diseases	353.2	312.5	376.0	337.9	337.4	316.2	311.8	286.9	258.7	246.8	228.6	-35.3
Chronic lower respiratory diseases	282.7	293.7	300.6	287.4	281.6	276.2	264.0	297.4	286.3	255.0	279.3	-1.2
Alzheimer's disease	141.2	148.7	191.6	197.7	240.5	282.8	269.8	280.4	317.9	301.8	296.8	110.2
ALL CAUSES	3862.6	3870.0	4095.0	3985.3	3991.9	3941.6	3796.9	3856.6	3828.7	3597.1	3544.8	-8.2
(Number of all deaths)	(14194)	(14799)	(15216)	(15322)	(15820)	(16070)	(15918)	(16778)	(16919)	(16601)	(16625)	17.1
<b>TOTAL</b>												
Diseases of heart	1285.1	1246.5	1303.0	1238.2	1218.1	1203.6	1123.5	1114.1	1044.8	975.7	967.2	-24.7
Malignant neoplasms	920.2	925.7	973.1	919.1	905.3	920.9	889.5	876.1	867.2	841.5	832.2	-9.6
Cerebrovascular diseases	323.3	297.3	346.6	310.9	307.2	286.3	280.8	259.2	230.3	211.8	210.6	-34.9
Chronic lower respiratory diseases	319.0	320.5	331.1	309.8	313.0	304.9	278.3	306.3	304.3	275.6	296.1	-7.2
Alzheimer's disease	118.2	124.3	154.4	158.0	196.6	229.0	220.1	229.5	258.2	241.6	241.9	104.7
ALL CAUSES	4191.1	4203.4	4390.7	4269.8	4289.8	4205.5	4038.0	4099.3	4031.3	3778.8	3791.3	-9.5
(Number of all deaths)	(27686)	(28940)	(29323)	(29504)	(30553)	(30815)	(30532)	(32163)	(32192)	(31852)	(32214)	16.4

<sup>1</sup>Rates are presented per 100,000 elderly persons 65 years and older.

<sup>2</sup>The five causes with the greatest number of deaths over the 1998-2008 period. In 1998-2008, Alzheimer's disease (deaths) replaced influenza and pneumonia (deaths) as the 5th leading cause of death among females and both genders but not elderly males 65 years or older.

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. The rates for both Alzheimer's disease and influenza and pneumonia for 1998-1999 are comparability modified and represent the annual number of deaths per 100,000 persons 65+ that would have been classified as influenza and pneumonia, had the ICD-10 classification system and coding rules been in place. The comparability ratio for influenza and pneumonia is 0.6982, a decrease of about 30.2 percent due to ICD-10. The comparability ratio for Alzheimer's disease is 1.5536, a 55.4 percent increase due to ICD-10. The comparability ratios for other causes of death in the above table are equal to 1.0.