CHAPTER 2

TRENDS AND PATTERNS IN MORTALITY, ARIZONA, 2004-2014

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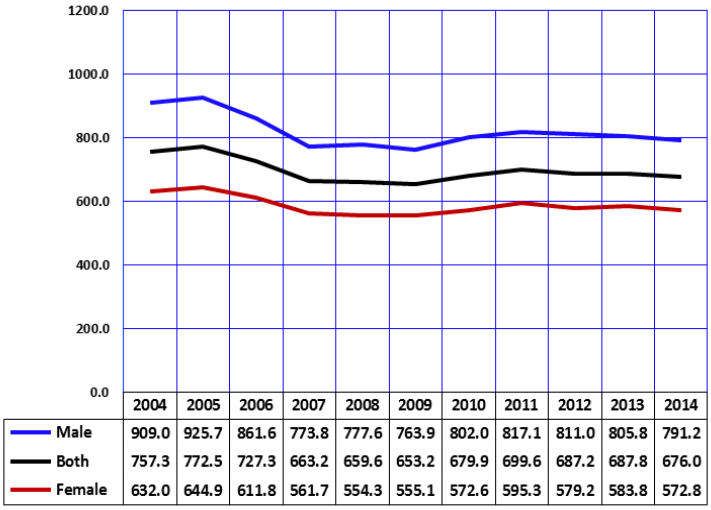
2A.

TOTAL MORTALITY

The total number of deaths from all causes among Arizona residents increased by 2.9 percent from 2013 (n = 49,929) to 2014 (n = 51,074; **Table 2A-1**). The age-adjusted mortality rate for all causes of death also increased from 687.8/100,000 in 2013 to 676/100,000 in 2014.

Compared to 2013, there were fewer deaths in 2014 for some of the leading causes of mortality including homicide (23.2 percent) nephritis (9.7 percent), influenza and pneumonia (7.6 percent), chronic liver disease and cirrhosis (5.4 percent), malignant neoplasms (5.3 percent) and cerebrovascular disease (2.5 percent). The causes with the largest increases were essential primary hypertension and hypertensive renal disease (6.6 percent), and diabetes (1.8 percent).
When considering race/ethnicity and gender, the age-adjusted mortality rate for deaths due to major cardiovascular diseases among Black or African Americans males decreased 28 percent from 2013 to 2014. In terms of mortality due to diabetes, the overall mortality rate for males and females remained stable over 2012 and 2013 (**Figure 2B-18**), a welcome respite from the increase observed from 2010 to 2011. Unfortunately the decrease in deaths due to diabetes did not hold true for all groups, with the age-adjusted mortality rate among Asian or Pacific Islander males increasing 63 percent from 2013 to 2014 and increasing 2.2 percent for Hispanic males over the same period.

Figure 2A-1
Age-adjusted Mortality Rates[a] for all Causes by Gender and Year, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Male	909.0	925.7	861.6	773.8	777.6	763.9	802.0	817.1	811.0	805.8	791.2
Both	757.3	772.5	727.3	663.2	659.6	653.2	679.9	699.6	687.2	687.8	676.0
Female	632.0	644.9	611.8	561.7	554.3	555.1	572.6	595.3	579.2	583.8	572.8

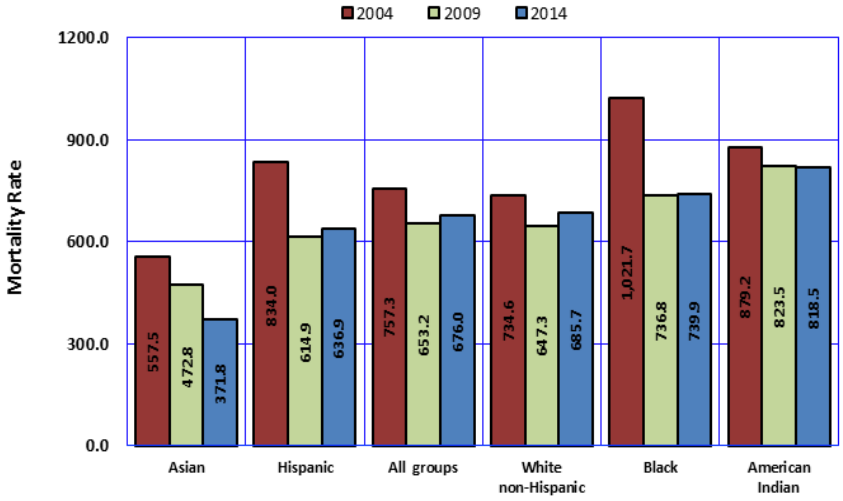
Notes: [a] Number of deaths per 100,000 persons (adjusted to the 2000 standard U.S. population).

The age-adjusted mortality rates discussed below are based on the year 2000 population standard. All mortality rates in sections 2A and 2B are age-adjusted. A detailed explanation of the age-adjustment of mortality rates is given in the ***Technical Notes***.

The total age-adjusted mortality rate decreased by 1.7 percent from 687.8 in 2013 to 676 in 2014 (**Figure 2A-1, Table 2B-2**). Over this period, the age-adjusted mortality rates decreased for both males and females.

The difference between male and female mortality rates narrowed slightly between 2004 and 2014 with the male age-adjusted mortality rate being 43.8 percent greater than the female age-adjusted mortality rate in 2004, and 38.1 percent greater in 2014. However, the parallel trend lines (**Figure 2A-1**) do not suggest that the full convergence in mortality risk between males and females is likely to happen in the near future.

Figure 2A-2
Age-adjusted Mortality Rates[a] for all Causes by Race/Ethnicity and Year, Arizona Residents, 2004, 2009, and 2014



Notes: [a] Number of deaths per 100,000 persons (adjusted to the 2000 standard U.S. population).

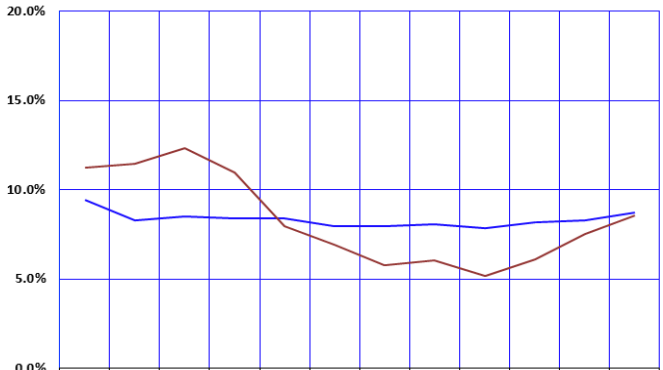
The 2014 age-adjusted death rates for the major racial/ethnic groups were as follows: for Asian or Pacific Islander, 371.8 deaths per 100,000 population; Hispanic or Latino, 636.9; White non-Hispanic, 685.7; American Indian or Alaska Native, 818.5; and Black or African American, 739.9 (**Figure 2A-2, Table 2B-4**).

In 2014, as in 2004 and 2009, Blacks and American Indians had higher total mortality rates than White non-Hispanics, Hispanics, and Asians. The total mortality rates for Asians were lower than the rates of both White non-Hispanics and Hispanics in 2004, 2009, and 2014.

If there was no monthly variation in proportional contribution to total annual deaths, 8.3 percent (100/12) of deaths should occur monthly. However, when the monthly distribution of resident deaths is examined, January (9.4 percent), December (8.7 percent), March (8.5 percent), and both April and May (8.4 percent) were higher in 2014 from the expected value (**Figure 2A-3**). September, June, July, August, October, and November were the months with the lowest proportional contributions to the total annual deaths among Arizona residents.

The majority of the 2,023 non-residents who died in Arizona during 2014 did so during March, February, January, and December. September was the month with the lowest proportional contribution (5.2 percent) to the annual death total among out-of-State residents who died in Arizona.

Figure 2A-3
Percent Annual Deaths by Month of Occurrence and Residence Status, Arizona, 2014

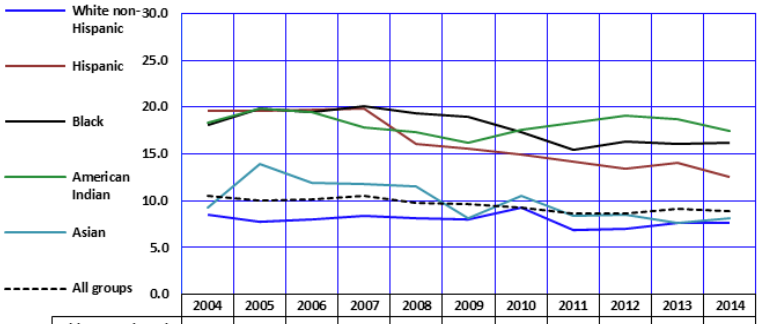


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AZR	9.4%	8.3%	8.5%	8.4%	8.4%	8.0%	8.0%	8.1%	7.8%	8.2%	8.3%	8.7%
OSR	11.2%	11.4%	12.3%	11.0%	8.0%	6.9%	5.8%	6.1%	5.2%	6.1%	7.5%	8.5%

Autopsies were reported as performed on 4557 decedents, or 8.9 percent of the deaths that occurred among Arizona residents in 2013. From 2004 – 2014, the percentage of deaths for which autopsies were reported varied from a high of 10.5 percent in 2004 and 2007 to a low of 8.6 percent in 2011 and 2012.

The percentage autopsied varies by the decedent's demographic characteristics. By race/ethnicity (**Figure 2A-4**) the percentage autopsied was lower for the White non-Hispanic and Asian population than for other groups. The prevalence of autopsies was substantially greater among American Indian, Black, and Hispanic or Latino sub-populations. A substantial portion of the differential in the use of autopsy by race/ethnicity reflects differences in the age and manner of death. For example, autopsies tend to be more common at younger ages and for deaths by homicide, suicide, accidents, and undetermined manner.

Figure 2A-4
Percentage of Deaths for which Autopsies were Reported by Race/Ethnicity and Year, Arizona Residents, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
White non-Hispanic	8.5	7.8	8.0	8.4	8.1	8.0	9.3	6.9	7.0	7.6	7.6
Hispanic	19.6	19.6	19.7	19.8	16.1	15.6	14.9	14.2	13.4	14.0	12.5
Black	18.1	19.8	19.5	20.1	19.4	19.0	17.3	15.5	16.4	16.1	16.2
American Indian	18.3	19.8	19.5	17.8	17.3	16.2	17.6	18.3	19.0	18.7	17.5
Asian	9.3	13.9	11.9	11.8	11.6	8.1	10.5	8.4	8.5	7.6	8.2
All groups	10.5	10.0	10.1	10.5	9.8	9.7	9.3	8.6	8.6	9.1	8.9

TABLE 2A-1
NUMBER OF DEATHS BY RACE/ETHNICITY, GENDER, AND YEAR, ARIZONA RESIDENTS, 2004-2014

		2004	2005	2006	2007	2008	2009	2010	2011	2012[a]	2013[a]	2014[a]
TOTAL[b]	**Total**	42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929	51,074
	Male	22,400	23,614	23,658	23,321	23,744	23,535	24,163	24,785	25,577	26,222	27,037
	Female	20,336	21,501	21,757	21,319	21,384	21,530	21,708	22,762	22,874	23,703	24,034
White non-Hispanic	**Total**	34,813	36,558	36,952	35,805	36,235	35,829	36,066	37,211	38,629	39,543	40,391
	Male	17,916	18,723	18,711	18,339	18,758	18,476	18,693	19,307	20,206	20,550	21,207
	Female	16,897	17,835	18,241	17,466	17,477	17,353	17,373	17,904	18,416	18,989	19,181
Hispanic or Latino	**Total**	5,009	5,323	5,284	5,496	5,313	5,401	5,374	5,575	5,963	6,300	6,444
	Male	2,874	3,115	3,114	3,146	2,996	2,978	2,959	2,982	3,323	3,412	3,543
	Female	2,135	2,208	2,170	2,350	2,317	2,423	2,415	2,593	2,640	2,888	2,901
Black or African American	**Total**	1,095	1,173	1,274	1,276	1,295	1,334	1,336	1,399	1,509	1,593	1,578
	Male	598	623	754	695	712	697	735	734	803	897	852
	Female	497	550	520	581	583	637	601	665	706	696	726
American Indian or Alaska Native	**Total**	1,402	1,651	1,543	1,661	1,722	1,871	1,781	1,681	1,806	1,955	2,074
	Male	780	929	901	950	981	1,028	1,015	876	993	1,103	1,152
	Female	622	722	642	711	741	843	766	805	812	852	922
Asian or Pacific Islander	**Total**	300	338	336	365	449	469	487	528	552	538	582
	Male	145	172	164	168	230	241	258	269	252	260	280
	Female	155	166	172	197	219	228	229	259	300	278	302
Unspecified other or unknown race	**Total**	117	72	26	37	114	161	827	1,153	[b]	[b]	10†
	Male	87	52	14	23	67	115	503	617	[b]	[b]	*
	Female	30	20	12	14	47	46	324	536	[b]	[b]	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Deaths with unknown gender (Total, n=3; White non-Hispanic, n=3) were included in totals; [b] Bridging of race/ethnicity in 2012 and 2013 differed from previous years. Individuals with unknown race were categorized as White non-Hispanic, while individuals with unknown race and Hispanic ethnicity were coded as Hispanic.

TABLE 2A-2
RESIDENT MORTALITY BY MONTH OF OCCURRENCE AND YEAR, ARIZONA, 2004-2014

Month of death		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
JAN	**Count**	4,015	3,933	4,640	4,213	4,149	3,983	3,950	4,321	4,210	5,079	4,824
	Percent	9.4%	8.7%	10.2%	9.4%	9.2%	8.8%	8.6%	9.1%	8.7%	10.2%	9.4%
FEB	**Count**	3,671	3,472	4,013	3,726	4,059	3,592	3,582	4,070	4,147	4,383	4,227
	Percent	8.6%	7.7%	8.8%	8.3%	9.0%	8.0%	7.8%	8.6%	8.6%	8.8%	8.3%
MAR	**Count**	3,834	3,992	4,124	4,062	4,426	3,954	4,084	4,358	4,414	4,484	4,333
	Percent	9.0%	8.8%	9.1%	9.1%	9.8%	8.8%	8.9%	9.2%	9.1%	9.0%	8.5%
APR	**Count**	3,456	3,972	3,765	3,781	3,949	3,945	3,845	3,967	4,176	4,231	4,278
	Percent	8.1%	8.8%	8.3%	8.5%	8.8%	8.8%	8.4%	8.3%	8.6%	8.5%	8.4%
MAY	**Count**	3,627	3,992	3,729	3,656	3,754	3,699	3,811	3,899	3,980	4,076	4,291
	Percent	8.5%	8.8%	8.2%	8.2%	8.3%	8.2%	8.3%	8.2%	8.2%	8.2%	8.4%
JUN	**Count**	3,333	3,514	3,489	3,427	3,542	3,500	3,651	3,823	3,868	3,831	4,072
	Percent	7.8%	7.8%	7.7%	7.7%	7.8%	7.8%	8.0%	8.0%	8.0%	7.7%	8.0%
JUL	**Count**	3,456	3,591	3,630	3,636	3,467	3,741	3,843	3,791	3,862	3,926	4,071
	Percent	8.1%	8.0%	8.0%	8.1%	7.7%	8.3%	8.4%	8.0%	8.0%	7.9%	8.0%
AUG	**Count**	3,442	3,571	3,417	3,466	3,512	3,617	3,756	3,913	3,850	3,893	4,112
	Percent	8.1%	7.9%	7.5%	7.8%	7.8%	8.0%	8.2%	8.2%	7.9%	7.8%	8.1%
SEP	**Count**	3,262	3,414	3,414	3,554	3,279	3,604	3,633	3,678	3,849	3,804	3,994
	Percent	7.6%	7.6%	7.5%	8.0%	7.3%	8.0%	7.9%	7.7%	7.9%	7.6%	7.8%
OCT	**Count**	3,461	3,524	3,767	3,651	3,636	3,739	3,678	3,888	3,956	3,868	4,184
	Percent	8.1%	7.8%	8.3%	8.2%	8.1%	8.3%	8.0%	8.2%	8.2%	7.7%	8.2%
NOV	**Count**	3,344	3,608	3,527	3,608	3,519	3,694	3,806	3,753	3,894	3,924	4,239
	Percent	7.8%	8.0%	7.8%	8.1%	7.8%	8.2%	8.3%	7.9%	8.0%	7.9%	8.3%
DEC	**Count**	3,835	4,532	3,900	3,860	3,836	3,997	4,232	4,086	4,253	4,430	4,449
	Percent	9.0%	10.0%	8.6%	8.6%	8.5%	8.9%	9.2%	8.6%	8.8%	8.9%	8.7%
TOTAL	**Count**	42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929	51,074
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

TABLE 2A-3
DEATHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2014

Day of death	Month of death												Total
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	164	153	142	141	151	134	132	160	125	144	155	121	1,722
2	134	155	145	147	145	146	120	150	127	153	125	150	1,697
3	152	143	117	157	143	148	125	135	125	119	142	161	1,667
4	137	155	146	132	144	151	127	148	141	157	141	165	1,744
5	145	167	118	115	139	132	129	154	145	124	126	165	1,659
6	158	168	122	124	131	129	122	110	139	157	156	137	1,653
7	148	159	149	129	163	143	140	130	153	140	117	129	1,700
8	154	166	146	141	132	130	144	130	121	137	160	130	1,691
9	145	147	138	148	142	126	122	123	126	152	140	145	1,654
10	151	144	141	148	121	146	122	142	103	122	123	141	1,604
11	151	145	146	170	143	139	134	129	131	127	140	139	1,694
12	144	143	122	141	137	125	136	123	129	123	161	115	1,599
13	158	160	151	140	127	150	120	142	124	133	152	135	1,692
14	168	153	156	126	137	144	111	111	127	133	126	127	1,619
15	156	135	148	161	124	127	134	129	146	150	146	135	1,691
16	166	138	118	158	147	120	153	131	122	128	139	127	1,647
17	157	142	132	156	136	130	130	121	150	152	137	161	1,704
18	160	133	141	143	129	128	127	125	149	135	132	157	1,659
19	151	163	144	158	143	138	143	128	132	136	149	135	1,720
20	184	161	127	126	139	134	123	121	149	138	145	128	1,675
21	153	143	158	159	147	128	142	133	146	133	140	145	1,727
22	165	159	159	145	131	127	141	145	131	123	150	131	1,707
23	166	163	146	128	139	140	135	126	133	142	154	170	1,742
24	162	122	126	146	143	140	122	127	134	131	133	138	1,624
25	153	148	138	133	127	128	142	131	121	134	143	149	1,647
26	133	159	148	130	138	137	131	120	131	143	131	142	1,643
27	149	152	151	152	139	128	131	128	127	99	144	139	1,639
28	158	151	142	147	127	139	132	140	133	128	140	148	1,685
29	161		151	136	142	147	119	135	132	145	163	151	1,582
30	176		144	141	150	138	160	145	142	125	129	153	1,603
31	165		121		135		122	140		121		180	984
Total	4,824	4,227	4,333	4,278	4,291	4,072	4,071	4,112	3,994	4,184	4,239	4,449	51,074

TABLE 2A-4
AGE-SPECIFIC MORTALITY BY PLACE OF DEATH AND DECEDENT STATUS, ARIZONA, 2014

		Age												
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Un-known	Total
IN HOSPITAL	In-patient	374	35	41	143	239	376	899	1,820	2,566	2,578	1,809	0	10,880
	Out-patient[a]	80	34	32	120	196	208	343	493	548	466	311	0	2,831
	Died on arrival	0	*	0	0	*	*	0	*	*	6	*	0	20†
	Status unknown	39	11	32	149	307	546	1,209	2,472	3,483	4,041	4,305	0	16,594
	Subtotal	493	80†	105	412	750†	1,130†	2,451	4,790†	6,600†	7,091	6,430†	0	30,326
NOT IN HOSPITAL	Nursing home[b]	29	6	*	8	35	136	411	1,032	1,742	2,388	2,828	0	8,620†
	Residence	*	0	*	*	*	19	94	310	780	1,662	3,130	0	6,000†
	Other[c]	10	7	21	211	279	277	420	501	625	1,223	2,488	*	6,066
	Unspecified	*	*	*	*	*	*	9	9	13	7	6	0	60†
	Subtotal	40†	15	30†	220†	320†	437	934	1,852	3,160	5,280	8,452	0†	20,748
TOTAL		535	96	131	635	1,068	1,570	3,385	6,640	9,760	12,371	14,879	4	51,074

Notes:* Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes Emergency Room; [b] Includes other long-term care facilities; [c] Includes hospices.

2B.

LEADING CAUSES OF DEATH

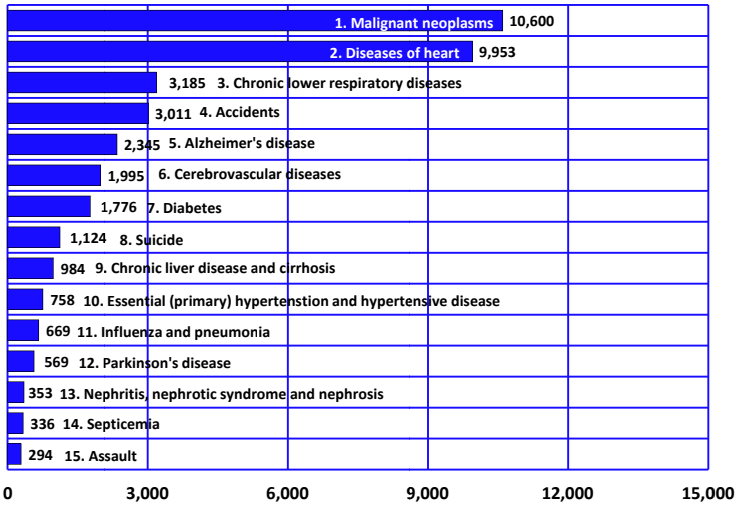
In 2010, the Office of Vital Records (OVR) of the Arizona Department of Health Services implemented the new (2003) Standard U.S. death certificate. The new certificate added several new questions: 1) whether tobacco use contributed to the death, and 2) whether, if the decedent was a female, the death was "pregnancy-associated" (defined as death from any cause during pregnancy or within one calendar year of delivery or pregnancy termination).

The death certificate now includes a new classification of the decedent's racial/ethnic status, consistent with the revised federal standards for collecting and reporting racial and ethnic status. These standards were published in the Federal Register on October 30, 1997, as "Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity". The revised standards are available on the OMB (the Office of Management and Budget) web-site at: http://www.whitehouse.gov/omb/fedreg/ombdir15.html

There are now 15 racial categories (including Guamanian or Chamorro; Samoan or Native Hawaiian) to choose from. It is also permitted to indicate more than one race for a decedent. In 2014, among the 51,074 deaths of Arizona residents, indication of "two or more races" appeared on only 465 certificates. The total number of deaths for decedents identified as Native Hawaiian was 14. To create frequency counts of race and ethnicity that were adequate to compute statistically reliable mortality rates, race was "bridged", or essentially collapsed into 5 categories; White non-Hispanic, Hispanic or Latino, Black or African American, Native American or Alaska Native, and Asian or Pacific Islander. When an individual was identified as both Hispanic and any other race, that person was added to the racial/ethnic group with the lowest population. For example, a person identified as both White and Hispanic would be coded as Hispanic, where a person identified as American Indian and Hispanic would be coded as American Indian. Please refer to the technical appendix for further explanation of the racial bridging used in this report.

Figure 2B-1A
Leading Causes of Death among Arizona Residents in 2014

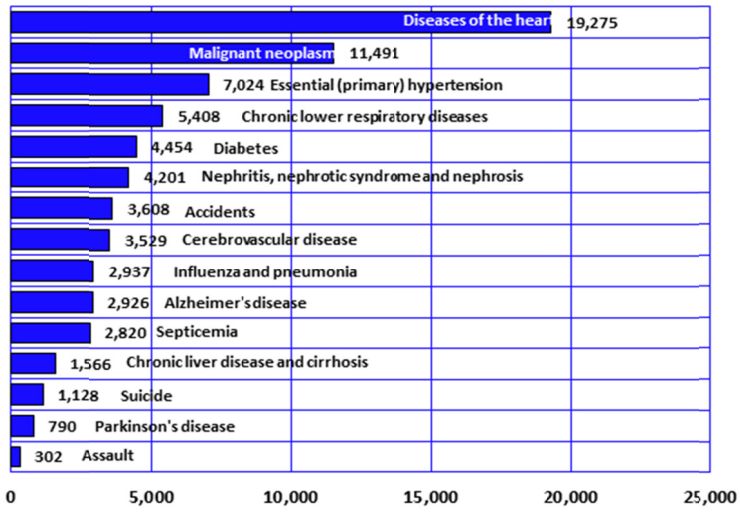
BASED ON THE NUMBER OF DEATHS DUE TO THE UNDERLYING CAUSE:



Based on the number of deaths (but not age-adjusted mortality rate), the leading underlying cause of death to Arizona residents in 2014 was cancer (10,600 or 20.8 percent of all deaths), closely followed by *heart disease*, which accounted for 9,953 or 19.5 percent of deaths (**Figure 2B-1A**, **Table 2B-1**, **Table 5E-14**). The third leading cause of death, *chronic lower respiratory diseases*, accounted for 3,185 or 6.2 percent of total deaths. Deaths due to *accidents (unintentional injuries)* ranked fourth in 2014, with 3,011 resident deaths reported. Deaths due to *Alzheimer's disease* ranked fifth in 2014, with 2,345 resident deaths reported. Together, these five causes accounted for 57.0 percent of total deaths in 2014. The fifteen leading causes accounted for 74.3 percent of all deaths among Arizona residents.

Figure 2B-1B
Leading Causes of Death among Arizona Residents in 2014

BASED ON THE NUMBER OF DEATHS DUE TO ANY MENTION OF A CAUSE:



For the purpose of mortality statistics, every death is attributed to one underlying condition or underlying cause of death. The underlying cause is defined as the disease or injury that initiated the chain of events leading directly to death. It is selected from up to 20 causes and conditions entered by the physician on the death certificate. The totality of all these conditions is known as multiple cause of death.

In addition to 10,600 deaths that had diseases of the heart assigned as the underlying cause, another 8,675 deaths had diseases of the heart assigned as a secondary cause of death. The sum of these two counts (19,275, **Figure 2B-1B**) is the total number of deaths that had any mention of diseases of the heart on the 2014 death certificates. The ranking based on any mention of the 15 diagnostic categories is different from ranking of the leading causes of death based on the underlying cause. In particular, *essential (primary) hypertension* ranked 10th as the underlying cause but ranked 3rd when any mention of it was counted.

It is important to note that (**Figures 2B-2, 2B-3, 2B-4, and 2B-5)** are based on the age-adjusted mortality rates and not on the number of deaths.

In 2014, cancer was the number one cause of death for Asians or Pacific Islanders, Blacks or African Americans Hispanic or Latinos, and White non-Hispanics. Diseases of the heart were the leading cause of death specific to American Indians (**Figure 2B-2, Table 2B-4**). Unintentional injury was the third leading cause of death only for American Indians. For both Hispanics, and Whites, Alzheimer's disease was the 5th leading cause of death in 2014. Diabetes was among the fourth leading cause of death for American Indians and Blacks (**Table 2B-4**).

Chronic liver disease and cirrhosis was the fifth leading cause of death specific to American Indians. Chronic lower respiratory diseases were the third leading cause of death specific to White non-Hispanics.

Figure 2B-2
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death for Both Genders by Race/Ethnicity, Arizona, 2014

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Cancer 83.2	Diseases of heart 107.5	Cancer 145.0	Cancer 124.9	Cancer 141.8
2	Diseases of heart 60.3	Cancer 97.1	Diseases of heart 140.9	Diseases of heart 114.0	Diseases of heart 134.4
3	Stroke 28.7	Unintentional injury 85.4	Stroke 40.8	Diabetes 39.1	Chronic lower respiratory diseases 45.9
4	Unintentional injury 18.3	Diabetes 63.2	Diabetes 39.7	Unintentional injury 35.9	Unintentional injury 43.7
5	Chronic lower respiratory diseases 17.3	Chronic liver disease and cirrhosis 52.7	Unintentional injury 37.6	Alzheimer's disease 34.1	Alzheimer's disease 31.1

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Based on age-adjusted mortality rates, cancer was the leading cause of death followed by heart disease for females of all racial/ethnic groups (**Figure 2B-3**, **Table 2B-4**). Diabetes was the 4th leading cause of death for American Indian, Black , and Hispanic women. Alzheimer's disease was among the five leading causes of death for women of all racial/ethnic backgrounds excluding American Indians.

Chronic liver disease and cirrhosis was the 3rd leading cause of death specific to American Indian females. Chronic lower respiratory diseases were the 3rd leading cause of death specific to White non-Hispanic females.

Figure 2B-3
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death by Race/Ethnicity among Females, Arizona, 2014

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Cancer 83.5	Cancer 77.3	Cancer 140.9	Cancer 103.4	Cancer 121.8
2	Diseases of heart 49.9	Diseases of heart 70.3	Diseases of heart 113.3	Diseases of heart 87.0	Diseases of heart 104.1
3	Stroke 25.8	Chronic liver disease and cirrhosis 55.5	Stroke 39.2	Alzheimer's disease 38.9	Chronic lower respiratory diseases 43.0
4	Unintentional injury 19.3	Diabetes 54.5	Diabetes 37.1	Diabetes 32.6	Alzheimer's disease 34.6
5	Alzheimer's disease 16.2	Unintentional injury 47.4	Alzheimer's disease 34.9	Stroke 27.5	Unintentional injury 29.9

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-4
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death by Race/Ethnicity among Males, Arizona, 2014

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Cancer 82.1	Diseases of heart 159.3	Diseases of heart 175.3	Cancer 153.6	Diseases of heart 168.9
2	Diseases of heart 73.8	Unintentional injury 128.2	Cancer 154.7	Diseases of heart 147.8	Cancer 166.5
3	Chronic lower respiratory diseases 33.8	Cancer 124.6	Chronic lower respiratory diseases 47.4	Unintentional injury 47.3	Unintentional injury 57.7
4	Stroke 33.1	Diabetes 74.7	Unintentional injury 44.1	Diabetes 46.8	Chronic lower respiratory diseases 49.7
5	Diabetes 30.1	Chronic liver disease and cirrhosis 48.0	Diabetes 41.8	Chronic lower respiratory diseases 28.7	Intentional Self-harm Suicide 31.9

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Based on age-adjusted mortality rates, cancer followed by diseases of the heart were the two leading causes of death among Asian or Pacific Islander, and Hispanic or Latino males (**Figure 2B-4**; **Table 2B-4**). Age-adjusted mortality rates for diseases of the heart were the highest of all causes among American Indian, Black or African American, and White non-Hispanic males.

Unintentional injury ranked among the top 5 leading causes of death for males in all racial/ethnic groups excluding Asians, but was the 2nd leading cause of death only for American Indian males.

In 2014, based on the age-adjusted mortality rates, diabetes was among the fourth leading causes of death for American Indian, and Hispanic or Latino males, and the 5th leading causes of death for Asian and Black males.

Figure 2B-5
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death by Gender in Urban[b] and Rural Areas, Arizona, 2014

Rank	Urban male	Urban female	Rural male	Rural female
1	Cancer 160.1	Cancer 115.0	Diseases of heart 191.0	Cancer 123.7
2	Diseases of heart 157.2	Diseases of heart 97.8	Cancer 163.0	Diseases of heart 112.6
3	Unintentional injury 52.2	Alzheimer's disease 37.5	Unintentional injury 76.1	Unintentional injury 40.3
4	Chronic lower respiratory diseases 45.2	Chronic lower respiratory diseases 37.0	Chronic lower respiratory diseases 47.7	Chronic lower respiratory diseases 39.6
5	Diabetes 30.1	Unintentional injury 28.3	Intentional Self-harm Suicide 40.6	Stroke 29.7

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard; [b] Urban counties include
Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard; [b] Urban counties include
Pinal and Yuma counties. The remaining counties comprise Arizona's rural areas.

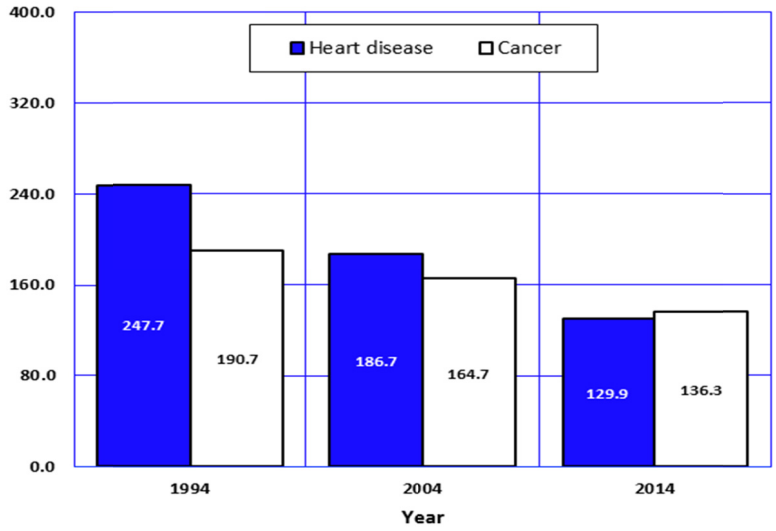
In 2014, the profile of the leading causes of death differed by gender for residents of the urban (Maricopa, Pima, Pinal, and Yuma counties) and rural (all the remaining counties) areas of the state. (**Figure 2B-5**, **Table 2B-5**). Cancer exceeded diseases of the heart as the leading causes of death among both urban males and urban females and rural females. Alzheimer's disease was the 3rd leading cause of death among urban females. Suicide was the 5th leading cause of death specific to rural males.

Diseases of heart and malignant neoplasm (cancer)

The age-adjusted mortality rate for diseases of the heart decreased by 47.6 percent from 247.7 deaths per 100,000 population in 1994 to 129.9/100,000 in 2014 (**Figure 2B-6**). The age-adjusted mortality rate for cancer declined less, by 28.5 percent, from 1994-2014. In Arizona, the relative risk of death from heart disease versus cancer changed from 29.9 percent greater in 1994 to 4.7 percent less in 2014.

In 2004, 896 more Arizonans died from diseases of the heart than cancer (**Table 2B-1**). In 2014, the number of deaths from cancer exceeded the number of heart disease deaths by 647 (**Table 2B-4**).

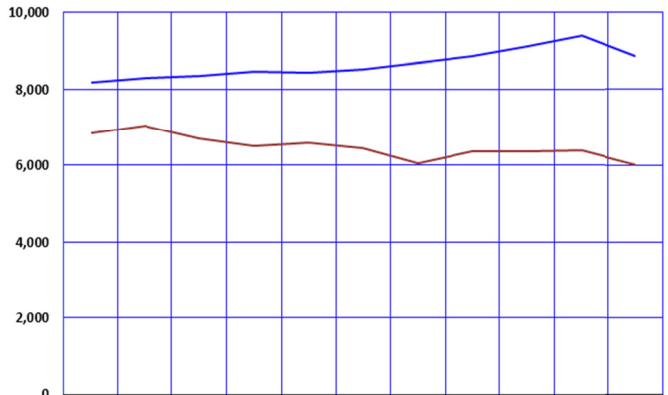
Figure 2B-6
Comparison of Age-adjusted Mortality Rates[a] for Heart Disease and Cancer (Malignant Neoplasm), Arizona, 1994, 2004, and 2014



Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

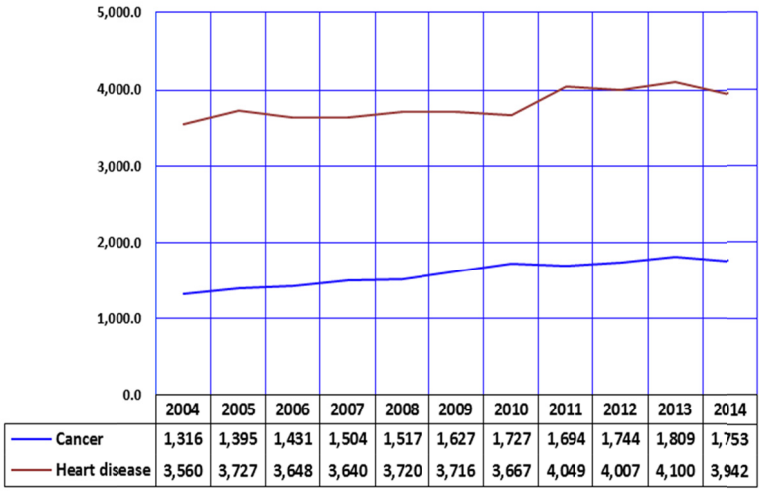
For the past several years, cancer has been the number one cause of death among Arizonans aged 0-84 years (**Figure 2B-7**). Beginning in 1996, the annual number of cancer deaths exceeded the number of deaths from heart disease. In 2014, 2,836 more Arizonans 0-84 years old died from cancer (8,847) than heart disease (6,011).

Figure 2B-7
Number of Deaths from Heart Disease and Cancer among Arizonans 0-84 Years, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Cancer	8,190	8,278	8,336	8,451	8,432	8,520	8,696	8,849	9,127	9,384	8,847
Heart disease	6,841	7,047	6,712	6,507	6,579	6,435	6,052	6,373	6,359	6,396	6,011

Figure 2B-8
Deaths from Heart Disease and Cancer among Arizonans 85+, 2004-2014

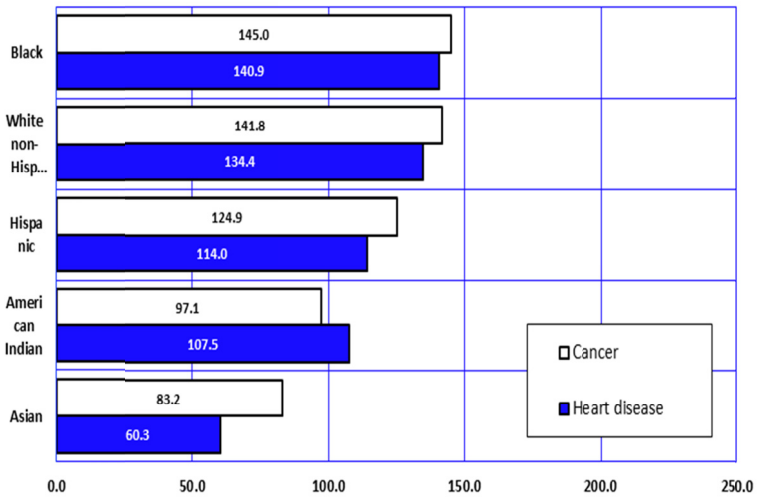


	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Cancer	1,316	1,395	1,431	1,504	1,517	1,627	1,727	1,694	1,744	1,809	1,753
Heart disease	3,560	3,727	3,648	3,640	3,720	3,716	3,667	4,049	4,007	4,100	3,942

Among Arizonans age 85 and over, heart disease is the number one leading cause of death by a wide margin. In 2014, adults aged 85 and over accounted for 16.5 percent of all deaths from cancer but 39.6 percent of all deaths from heart disease. In 2014, the median age at death for heart disease was 81 years (**Table 2D-3**) and a minority of deaths (43.4 percent, **Table 2D-4**) were premature, i.e., before reaching the expected years of life at birth for all U.S. residents (78.8 years).

However, from 2004 to 2014, the number of deaths from cancer increased by 33.2 percent among Arizonans 85 years or older, more than 3 times the increase observed in diseases of the heart (10.7 percent increase).

Figure 2B-9
Age-adjusted Mortality Rates[a] for Heart Disease and Cancer by Race/Ethnicity, Arizona, 2014



Arizona's White non-Hispanics were 2.2 times more likely to die from diseases of the heart and 1.7 times more likely to die from malignant neoplasms in 2014 than Asians, the group with the lowest risk of each respective cause of death (**Figure 2B-9**, **Table 2B-4**). Compared to Asians, Black or African American Arizonans were 1.7 times more likely to die of cancer and 2.3 times more likely to die of heart disease.

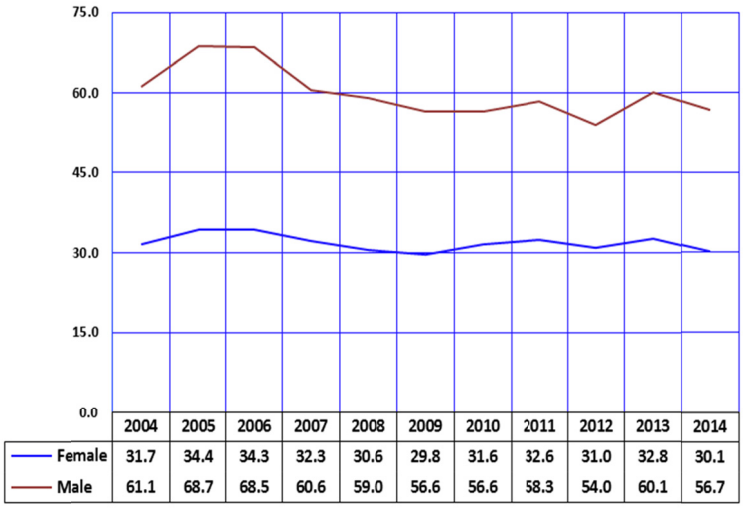
For all the racial/ethnic groups, except the American Indians, the relative risk of death from cancer exceeded the mortality risk of death from heart disease in 2014 (**Table 2B-3**).

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The number of deaths from unintentional injuries increased by 4.0 percent from 3,137 in 2013 to 3,011 in 2014 (**Table 2B-1**). In 2014, based on age-adjusted mortality rates, accidents ranked third as a leading cause of death for males and fifth for females (**Table 2B-4**). From 2013 to 2014, the age-adjusted mortality rate for accidents decreased 5.7 percent for males and 8.2 percent for females (**Figure 2B-10**).

In 2014, 702 deaths were caused by motor vehicle accidents, a decrease of 8.5 percent from 2013. Additionally, Arizonans experienced a 3.8 percent increase in the number of accidental drug poisonings due to drugs and /or medicaments from 2013 (n=853) to 2014(n=885). (**Table 2B-9**). Deaths due to mechanical suffocation increased 66 percent over this period.

Figure 2B-10
Age-adjusted Mortality Rates[a] for Accidents (Unintentional Injuries) by Gender and Year, Arizona, 2004-2014



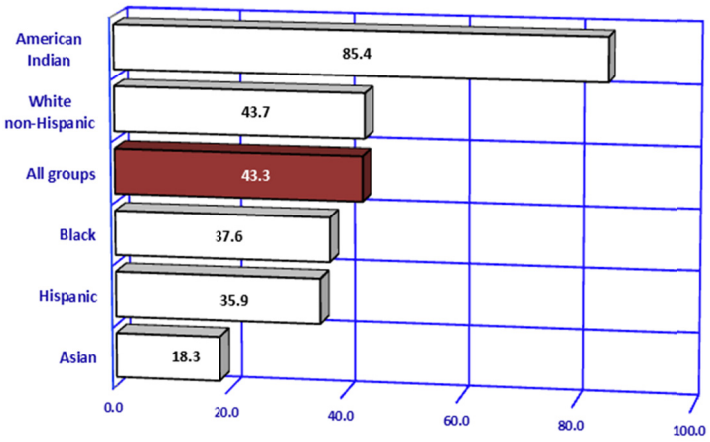
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	31.7	34.4	34.3	32.3	30.6	29.8	31.6	32.6	31.0	32.8	30.1
Male	61.1	68.7	68.5	60.6	59.0	56.6	56.6	58.3	54.0	60.1	56.7

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The American Indian death rate for unintentional injuries (85.4/100,000) was 4.7 times greater than the rate for Asians (18.3/100,000), the group at the lowest risk of unintentional injury death among racial/ethnic groups in the State (**Figure 2B-11**, **Table 2B-4**).

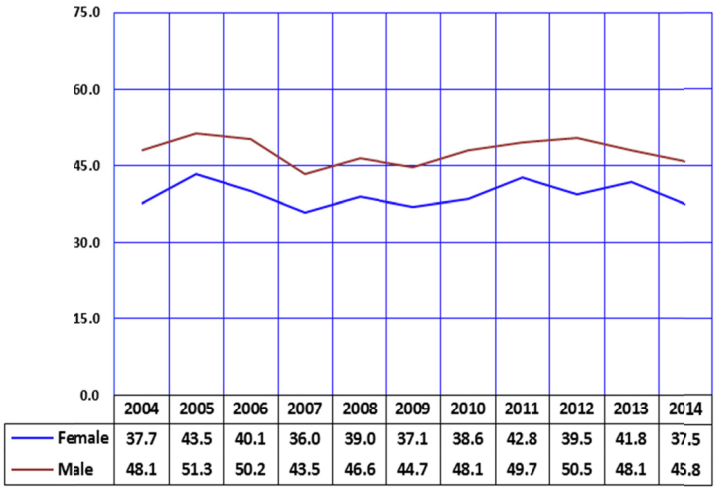
In 2014, Navajo (94.1/100,000) and Apache (91.9/100,000) counties had the two highest age-adjusted mortality rates for unintentional injuries (**Table 5E-11**).

Figure 2B-11
Age-adjusted Mortality Rates[a] for Accidents (Unintentional Injuries) by Race/Ethnicity, Arizona, 2014



Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-12
Age-adjusted Mortality Rates[a] for Chronic Lower Respiratory Diseases[b] by Gender and Year, Arizona, 2004-2014



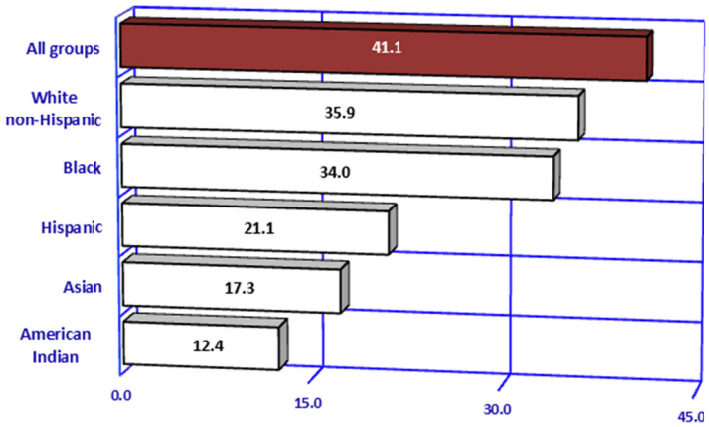
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	37.7	43.5	40.1	36.0	39.0	37.1	38.6	42.8	39.5	41.8	37.5
Male	48.1	51.3	50.2	43.5	46.6	44.7	48.1	49.7	50.5	48.1	45.8

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard; [b] This ICD-10 title corresponds to Chronic Obstructive Pulmonary Disease (ICD-9 title).

In 2014, chronic lower respiratory diseases (bronchitis, emphysema, asthma) were the 3rd leading cause of death among Arizona residents (**Table 2B-1**). From 2013 to 2014, the mortality rates for chronic lower respiratory diseases decreased for both genders (**Figure 2B-12**, **Table 2B-2**).

Urban females had the lowest mortality rate for chronic lower respiratory diseases (37.0/100,000) among the genders and by regional group (**Table 2B-5**). Rural males were the group with the highest mortality risk for chronic lower respiratory diseases 47.7/100,000), followed by urban males (45.2/100,000) and rural females (39.6 deaths per 100,000).

Figure 2B-13
Age-adjusted Mortality Rates[a] for Chronic Lower Respiratory Diseases by Race/Ethnicity, Arizona, 2014



Mortality rates for emphysema, chronic bronchitis, asthma, and other lower respiratory disorders were substantially higher among White non-Hispanics (35.9 deaths per 100,000) and Black or African Americans (34.0/100,000) than they were among Hispanics, (21.1/100,000), Asians (17.3/100,000), and American Indians (12.4/100,000; **Figure 2B-13**, **Table 2B-4**).

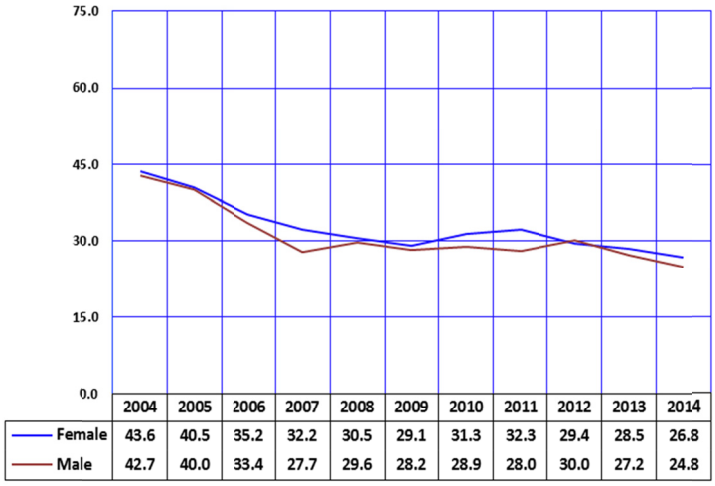
Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Cerebrovascular disease

Cerebrovascular disease and diseases of the heart are two of the leading causes of death that share many risk factors such as hypertension, smoking, obesity, and high levels of cholesterol. The age-adjusted mortality rate for stroke decreased by 39.9 percent from 43.6 deaths per 100,000 population in 2004 to 26.2 /100,000 in 2014 (**Table 2B-3**).

Females remained at greater risk than males to die from a stroke from 2004-2011. In 2012, the age-adjusted mortality rate for stroke was greater among males than females, with male risk being slightly higher than female risk (**Figure 2B-14**). In 2013-2014, the stroke mortality rate for females was again greater than the rate for males (**Figure 2B-14**, **Table 2B-2**).

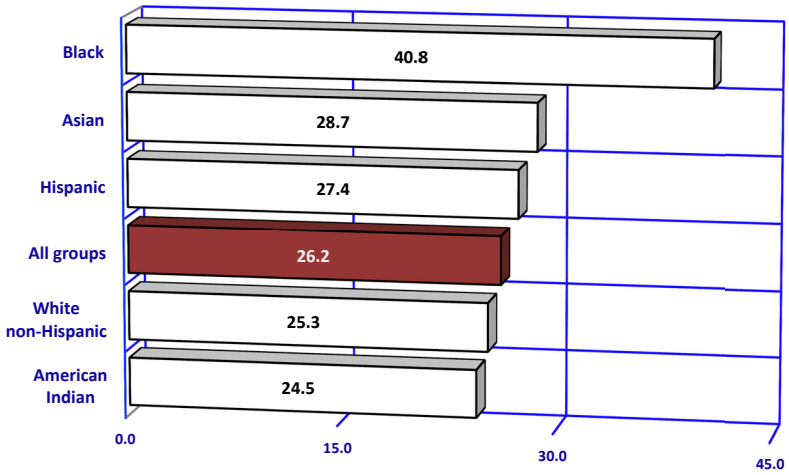
Figure 2B-14
Age-adjusted Mortality Rates[a] for Cerebrovascular Disease by Gender and Year, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	43.6	40.5	35.2	32.2	30.5	29.1	31.3	32.3	29.4	28.5	26.8
Male	42.7	40.0	33.4	27.7	29.6	28.2	28.9	28.0	30.0	27.2	24.8

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-15
Age-adjusted Mortality Rates[a] for Cerebrovascular Disease by Race/Ethnicity, Arizona, 2014

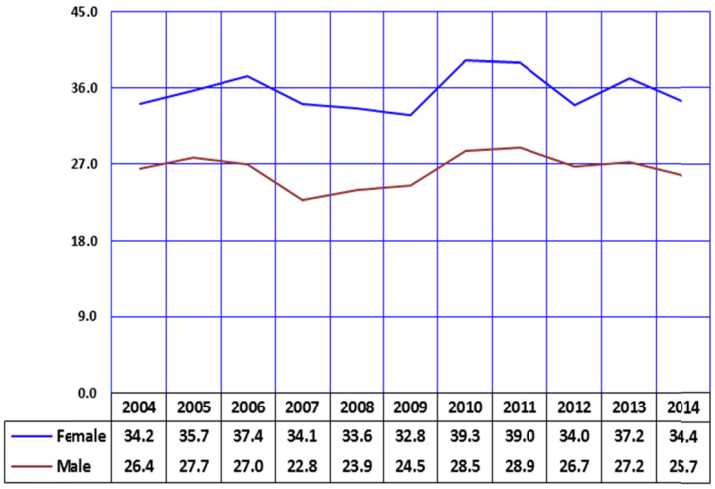


Compared to Arizona's overall rate, Blacks or African Americans were 55.8 percent more likely to die from cerebrovascular disease in 2014 (**Figure 2B-15**, **Table 2B-4**). The 2014 mortality rate for cerebrovascular disease among American Indians (24.5/100,000) was the lowest among racial/ethnic groups.

American Indian females had the lowest mortality rate for cerebrovascular disease among all gender and racial/ethnic subgroups (24.0 deaths per 100,000, **Table 2B-4**), while Black or African American females had the highest rate of 39.2 deaths per 100,000.

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-16
Age-adjusted Mortality Rates[a] for Alzheimer's Disease by Gender and Year, Arizona, 2004-2014



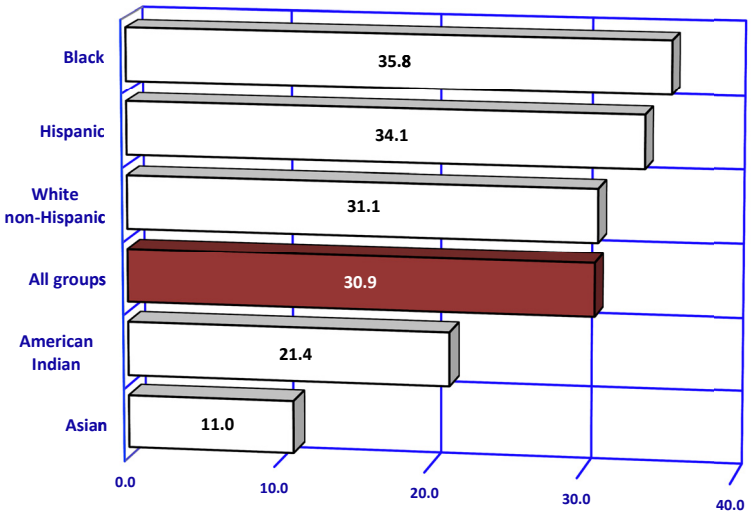
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	34.2	35.7	37.4	34.1	33.6	32.8	39.3	39.0	34.0	37.2	34.4
Male	26.4	27.7	27.0	22.8	23.9	24.5	28.5	28.9	26.7	27.2	25.7

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Based on the number of deaths in 2014, Alzheimer's disease was the 4th leading cause of death for females and 6th leading cause for males (**Table 2B-4**)

From 2013 to 2014, the age-adjusted mortality rate for Alzheimer's disease decreased among both genders. The decline in the age adjusted mortality rate was greater for females (7.5 Percent) than for males (5.5 percent)(**Figure 2B-16**).

Figure 2B-17
Age-adjusted Mortality Rates[a] for Alzheimer's Disease by Race/Ethnicity, Arizona, 2014



Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The age-adjusted mortality rates for Alzheimer's disease in 2014 were higher among Black or African Americans (35.8/100,000), Hispanics (34.1/100,000), and White non-Hispanics (31.1/100,000) than among American Indian (21.4/100,000) or Asian residents of Arizona (11.0/100,000; **Figure 2B-17**, **Table 2B-4**).

White non-Hispanic residents of Arizona disproportionately contributed to mortality from Alzheimer's disease. In 2014, White non-Hispanics accounted for 57.6 percent (**Table 10C-1**) of the State's population, but 85.0 percent of all deaths from Alzheimer's disease (1,993 out of 2,345; **Table 2B-4**).

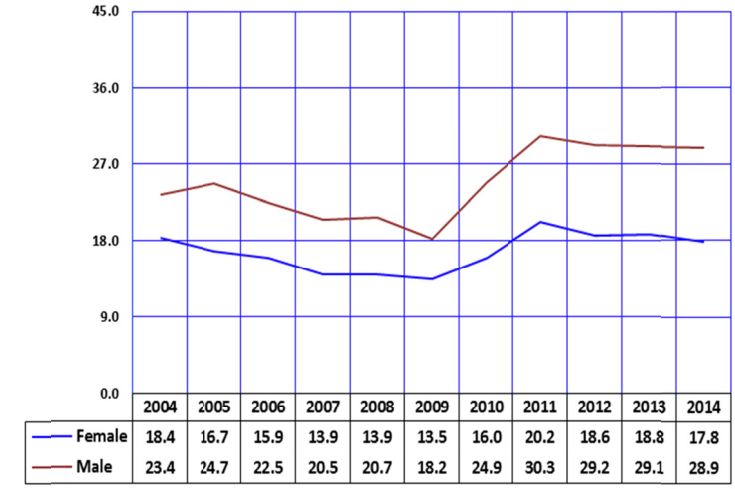
In 2014, the median age at death from Alzheimer's disease was 88 for females and 86 for males (**Table 2D-3**).

Both men and women experienced a decline in mortality rates for diabetes in 2014 (**Figure 2B-18**) following a period of increase during 2010 to 2013 (based on the data in **Table 2B-1**).

In addition to 1,776 deaths that had diabetes assigned as the underlying cause in 2014, another 2,678 deaths had diabetes assigned as a contributing factor. The diabetes-related death rate of 57.6/100,000 (**Table 6A-6**) was 2.5 times greater than the rate for diabetes as underlying cause (23.0/100,000, (**Table 2B-2**).

The diabetes-related death rate includes all mentions of diabetes on the death certificate as the underlying or other than underlying cause.

Figure 2B-18
Age-adjusted Mortality Rates[a] for Diabetes by Gender and Year, Arizona, 2004-2014



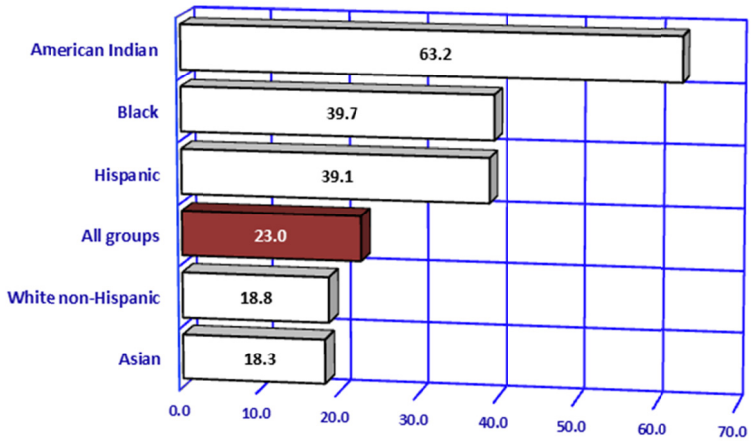
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	18.4	16.7	15.9	13.9	13.9	13.5	16.0	20.2	18.6	18.8	17.8
Male	23.4	24.7	22.5	20.5	20.7	18.2	24.9	30.3	29.2	29.1	28.9

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

In 2014, compared to Arizona's rate, American Indians were 2.7 times more likely to die from diabetes (63.2 deaths per 100,000; **Figure 2B-19**, **Table 2B-4**). The rate of 18.3 deaths per 100,000 among Asians was the lowest rate among all racial/ethnic groups in the State.

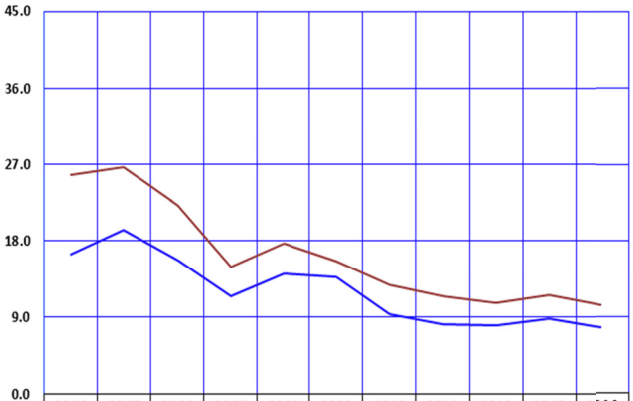
Among the 15 Arizona counties, in 2014 Apache (43.9/100,000), Navajo (30.8/100,000), and Gila (30.4/100,000) counties had the highest mortality rates for diabetes (**Table 5E-11**).

Figure 2B-19
Age-adjusted Mortality Rates[a] for Diabetes by Race/Ethnicity, Arizona, 2014



Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-20
Age-adjusted Mortality Rates[a] for Influenza and Pneumonia by Gender and Year, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	16.3	19.2	15.7	11.5	14.1	13.7	9.3	8.2	8.0	8.8	7.7
Male	25.7	26.6	22.2	14.9	17.7	15.6	12.8	11.5	10.6	11.6	10.4

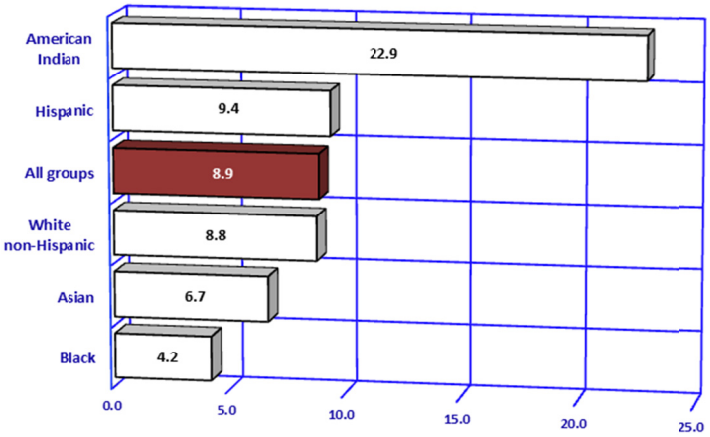
Note: [a] Number of deaths per 100,000 population age-adjusted 2000 U.S. standard.

The number of deaths from influenza and pneumonia decreased by 47.7 percent from a recent high of 1,280 in 2005 to 669 in 2014, though the number of influenza deaths rose 14.0 percent from 2012 to 2013 (**Table 2B-1**). Among the 669 deaths, influenza was identified as the underlying cause for 62 of them, while pneumonia was listed as the underlying cause on 607 death certificates (**Table 2B-6**).

The mortality rate for influenza and pneumonia decreased for females from 8.8 deaths per 100,000 in 2013 to 7.7 deaths in 2014 (**Figure 2B-20, Table 2B-2**). The mortality rate for influenza and pneumonia also decreased for males from 11.6 deaths per 100,000 in 2013 to 10.4/100,000 in 2014

In 2014, the age-adjusted mortality rate for Arizona males was 35.1 percent greater than that of Arizona females.

Figure 2B-21
Age-adjusted Mortality Rates[a] for Influenza and Pneumonia by Race/Ethnicity, Arizona, 2014



Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

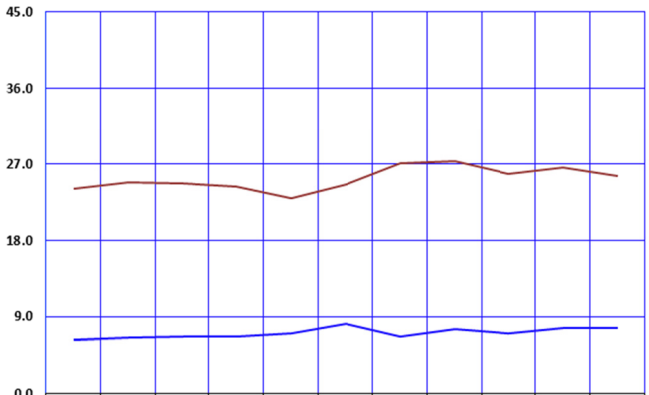
In 2014, American Indian residents of Arizona had the highest mortality rate for influenza and pneumonia (22.9 deaths per 100,000) among the racial/ethnic groups. The age-adjusted mortality of 4.2/100,000 among Blacks was the lowest rate among racial/ethnic groups in the State (**Figure 2B-21**, **Table 2B-4**).

Compared to the State death rate for influenza and pneumonia, Apache County's rate was 3.1 times greater (27.9/100,000). The mortality rate was also higher in Yuma County (18.6/100,000), Graham (16.2/100,000), and Navajo County (15.1/100,000(**Table 5E-11**).

In 2014, suicide was the 7th leading cause of death among males. It ranked as the 11th cause of mortality for females. The age-adjusted suicide rate decreased from 17.0suicides per 100,000 in 2013 to 16.5 in 2014 (**Table 2B-4**).

From 2013 to 2014, the suicide rate remained stable for females , but decreased by 3.8 percent for males **Figure 2B-22**, **Table 2B-4**). In 2014, suicide posed a 3.3 times greater mortality risk for males (25.6/100,000) than for females (7.7/100,000).

Figure 2B-22
Age-adjusted Mortality Rates[a] for Suicide by Gender and Year, Arizona, 2004-2014



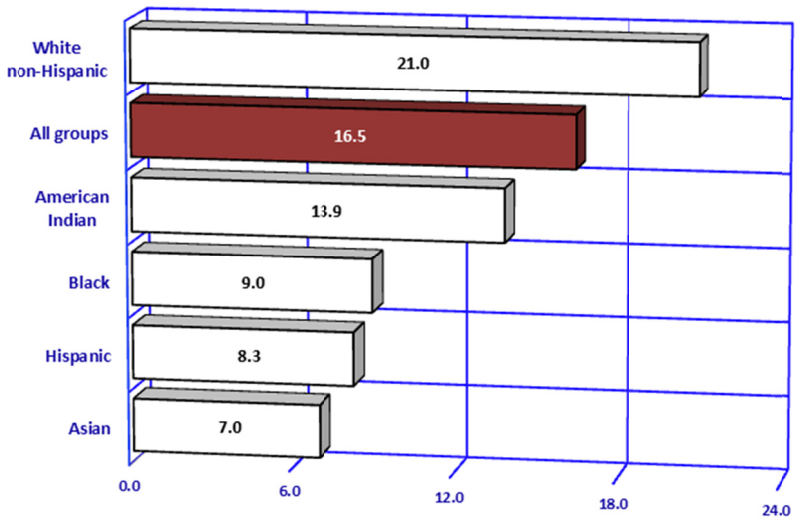
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	6.3	6.5	6.6	6.7	7.0	8.1	6.7	7.5	7.0	7.7	7.7
Male	24.1	24.9	24.7	24.4	23.0	24.6	27.1	27.4	25.9	26.6	25.6

Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

In 2014, White non-Hispanics had the highest age-adjusted suicide rate (21.0 suicides per 100,000) among racial/ethnic groups, followed byAmerican Indians (13.9/100,000), Black or African Americans (9.0/100,000), Hispanics (8.3/100,000), and Asians (7.0/100,000; **Figure 2B-23**, **Table 2B-4**).

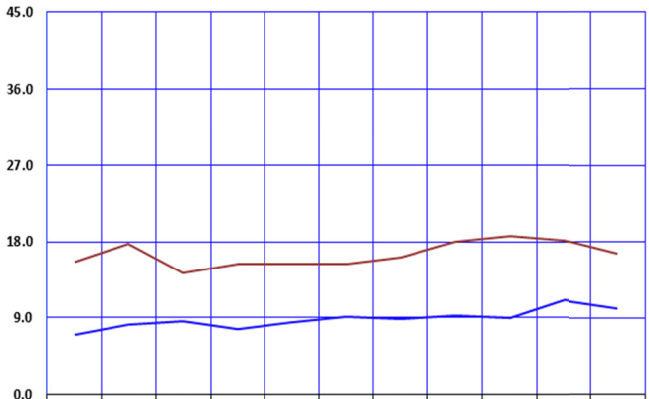
The age-adjusted mortality rates for suicide varied in Arizona in 2014 from 7.1 suicides per 100,000 residents of Santa Cruz County to 32.5 suicides per 100,000 residents of Apache County (**Table 5E-11**).

Figure 2B-23
Age-adjusted Mortality Rates[a] for Suicide by Race/Ethnicity, Arizona, 2014



Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-24
Age-adjusted Mortality Rates[a] for Chronic Liver Disease and Cirrhosis by Gender and Year, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	6.9	8.1	8.5	7.6	8.4	9.1	8.8	9.2	9.0	11.1	10.1
Male	15.6	17.7	14.3	15.4	15.3	15.4	16.1	18.0	18.7	18.2	16.5

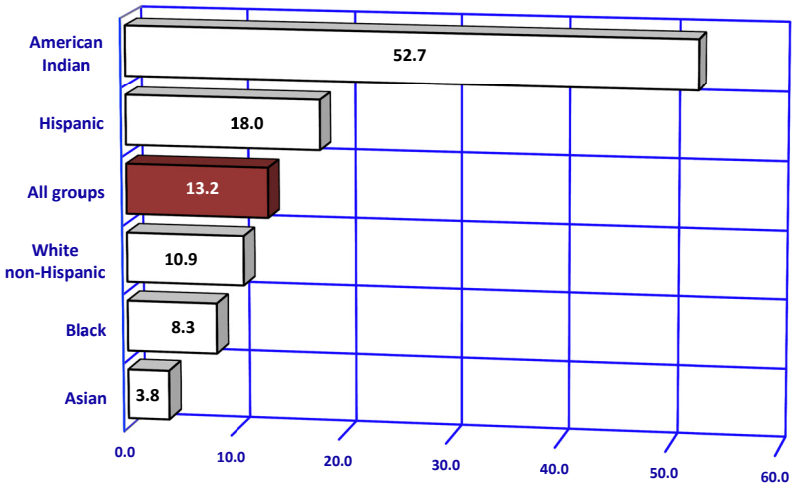
Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Chronic liver disease and cirrhosis was the 9th leading cause of death in Arizona in 2014 (**Figure 2B-1, Table 2B-1**). Among the 984 deaths due to chronic liver disease and cirrhosis, 590 (60.0 percent) were males (**Table 2B-4**).

Among females, the age-adjusted mortality rate for chronic liver disease and cirrhosis slightly decreased 9.0 percent from 2013 to 2014. Among males, the mortality rate decreased 9.3 percent from 18.2/100,000 in 2013 to 16.5/100,000 in 2014 (**Figure 2B-24, Table 2B-3**).

In 2014, Gila, Apache, La Paz, Navajo, Yavapai, and Mohave, and counties had the highest mortality rates for chronic liver disease and cirrhosis (**Table 5E-11**).

Figure 2B-25
Age-adjusted Mortality Rates[a] for Chronic Liver Disease and Cirrhosis by Race/Ethnicity, Arizona, 2014



Note: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The 2014 death rate for chronic liver disease and cirrhosis among American Indians (52.7 deaths per 100,000) was 4.0 times greater than the state average (13.2/100,000; **Figure 2B-25, Table 2B-4**). The rate for Hispanics (18.0 deaths per 100,000 population) was the second highest among racial/ethnic groups in the State.

Compared to the median age at death from all causes (76 years), those who died from chronic liver disease and cirrhosis were on average 17 years younger (59 years, **Table 2D-3**). In 2014, the median age at death of American Indians who died from chronic liver disease and cirrhosis was only 52 years (**Table 2D-3**).

TABLE 2B-1
NUMBER OF DEATHS FOR THE LEADING CAUSES OF MORTALITY BY YEAR, ARIZONA, 2004-2014

Rank in 2004	Rank in 2014	Cause of death	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
2	1	**Malignant neoplasms**	9,506	9,673	9,768	9,955	9,949	10,147	10,423	10,543	10,871	11,193	10,600
1	2	**Diseases of heart**	10,402	10,779	10,362	10,147	10,299	10,151	9,719	10,424	10,366	10,497	9,953
5	3	**Chronic lower respiratory diseases**	2,392	2,778	2,771	2,651	2,896	2,808	2,892	3,143	3,167	3,295	3,185
3	4	**Accidents (unintentional injury)**	2,641	3,006	3,156	3,014	2,951	2,887	2,834	2,959	2,804	3,137	3,011
6	5	**Alzheimer's disease**	1,672	1,816	2,057	2,041	2,086	2,086	2,314	2,336	2,154	2,384	2,345
4	6	**Cerebrovascular diseases**	2,412	2,325	2,159	2,079	2,089	2,010	2,051	2,067	2,096	2,047	1,995
7	7	**Diabetes**	1,180	1,196	1,188	1,145	1,162	1,078	1,372	1,721	1,698	1,744	1,776
9	8	**Intentional self-harm (suicide)**	854	915	948	986	968	1,060	1,070	1,113	1,070	1,116	1,124
10	9	**Chronic liver disease and cirrhosis**	629	749	706	734	778	818	843	933	971	1,040	984
14	10	**Essential primary hypertension and hypertensive renal disease**	405	390	420	389	475	475	498	725	739	711	758
8	11	**Influenza and pneumonia**	1,108	1,280	1,147	875	1,075	1,007	729	649	635	724	669
15	12	**Parkinson's disease**	390	492	489	455	487	446	488	545	579	578	569
11	13	**Nephritis, nephrotic syndrome and nephrosis**	625	603	549	510	488	532	516	409	440	391	353
13	14	**Septicemia**	456	496	539	547	539	528	425	321	319	354	336
12	15	**Assault (homicide)**	486	503	525	494	461	360	404	387	376	383	294
ALL CAUSES			42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929	51,074

Notes: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2004-2014 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999. The group titles, such as cardiovascular diseases, infectious and parasitic diseases, or other cardiovascular diseases are not ranked to determine the leading causes of death. The ICD-10 code for the underlying cause of death was missing for as many as 140 in 2008.

TABLE 2B-2
AGE-ADJUSTED MORTALITY RATES[a] BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH, ARIZONA, 2004-2014

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
TOTAL, ALL CAUSES												
	Total	757.3	772.5	727.3	663.2	659.6	653.2	679.9	699.6	687.2	687.8	676.0
	Male	909.0	925.7	861.6	773.8	777.6	763.9	802.0	817.1	811.0	805.8	791.2
	Female	632.0	644.9	611.8	561.7	554.3	555.1	572.6	595.3	579.2	583.8	572.8
CARDIOVASCULAR DISEASE												
	Total	248.5	245.7	216.4	194.4	194.1	188.8	188.6	201.0	193.3	187.7	171.6
	Male	298.4	298.2	258.3	227.5	235.8	228.1	225.1	239.2	233.6	229.0	206.9
	Female	207.8	203.8	181.0	164.3	158.1	154.9	156.7	168.0	159.1	152.4	140.7
-----DISEASES OF HEART												
	Total	186.7	186.9	166.1	149.5	149.3	145.9	143.3	152.7	145.8	143.0	129.9
	Male	234.2	237.4	207.3	184.0	189.3	183.1	179.8	192.8	184.4	183.6	164.1
	Female	148.5	147.3	131.8	119.4	115.1	114.1	112.2	119.0	113.7	109.2	100.5
-----CEREBROVASCULAR DISEASE												
	Total	43.6	40.6	34.8	30.6	30.3	28.9	30.7	30.6	29.9	28.2	26.2
	Male	42.7	40.0	33.4	27.7	29.6	28.2	28.9	28.0	30.0	27.2	24.8
	Female	43.6	40.5	35.2	32.2	30.5	29.1	31.3	32.3	29.4	28.5	26.8
MALIGNANT NEOPLASMS												
	Total	164.7	161.8	154.7	148.0	145.5	147.2	150.5	151.3	149.8	149.6	136.3
	Male	201.2	197.1	187.0	176.7	173.8	174.9	180.6	179.3	180.3	175.0	160.8
	Female	138.6	136.1	131.0	125.6	123.0	125.8	127.1	129.5	125.9	129.9	116.8
CHRONIC LOWER RESPIRATORY DISEASE												
	Total	41.9	46.8	44.3	39.2	42.1	40.5	42.6	45.9	44.2	44.5	41.1
	Male	48.1	51.3	50.2	43.5	46.5	44.7	48.1	49.7	50.5	48.1	45.8
	Female	37.7	43.5	40.1	36.0	38.9	37.1	38.6	42.8	39.5	41.8	37.5
ACCIDENTS (UNINTENTIONAL INJURIES)												
	Total	46.0	51.1	51.2	46.6	44.7	43.1	43.8	45.5	42.4	46.3	43.3
	Male	61.1	68.7	68.5	60.6	59.0	56.6	56.6	58.3	54.0	60.1	56.7
	Female	31.7	34.4	34.3	32.3	30.6	29.8	31.6	32.6	31.0	32.8	30.1
-----MOTOR VEHICLE ACCIDENTS												
	Total	18.1	18.9	19.6	16.2	13.6	11.6	11.1	12.1	11.4	11.4	10.3
	Male	23.9	27.0	26.8	22.2	19.5	16.8	15.9	17.6	16.8	16.3	14.5
	Female	12.5	11.1	12.4	10.1	7.9	6.5	6.4	6.9	6.3	6.6	6.0
INFLUENZA AND PNEUMONIA												
	Total	20.1	22.3	18.4	12.9	15.6	14.6	10.9	9.7	9.1	10.0	8.9
	Male	25.7	26.6	22.2	14.9	17.7	15.6	12.8	11.5	7.4	11.6	10.4
	Female	16.3	19.2	15.7	11.5	14.1	13.7	9.3	8.2	5.6	8.8	7.7

TABLE 2B-2 (continued)
AGE-ADJUSTED MORTALITY RATES[a] BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH, ARIZONA, 2004-2014

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
ALZHEIMER'S DISEASE												
	Total	31.3	32.7	33.4	29.6	29.8	29.5	35.1	35.2	29.9	33.2	30.9
	Male	26.4	27.7	27.0	22.8	23.9	24.5	28.5	28.9	41.5	27.2	25.7
	Female	34.2	35.7	47.4	34.1	33.6	32.8	39.3	39.0	52.8	37.2	34.4
DIABETES												
	Total	20.7	20.1	18.9	17.0	17.0	15.7	20.1	24.8	23.5	23.6	23.0
	Male	23.4	24.7	22.5	20.5	20.7	18.2	24.9	30.3	29.2	29.1	28.9
	Female	18.4	16.7	15.9	13.9	13.9	13.5	16.0	20.2	18.6	18.8	17.8
CHRONIC LIVER DISEASE AND												
	Total	11.1	12.7	11.4	11.3	11.7	12.2	12.3	13.4	13.6	14.5	13.2
	Male	15.6	17.7	14.3	15.4	15.3	15.4	16.1	18.0	18.7	18.2	16.5
	Female	6.9	8.1	8.5	7.6	8.4	9.1	8.8	9.2	9.0	11.1	10.1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS												
	Total	11.0	10.4	8.8	7.6	7.1	7.7	7.6	6.0	6.2	5.3	4.6
	Male	13.4	12.7	10.5	8.8	8.6	9.2	9.0	7.2	8.9	6.1	5.2
	Female	9.4	8.8	7.4	6.6	5.9	6.5	6.4	5.1	6.7	4.8	4.2
INTENTIONAL SELF-HARM (SUICIDE)												
	Total	14.9	15.4	15.4	15.4	14.8	16.1	16.7	17.2	16.2	17.0	16.5
	Male	24.1	24.9	24.7	24.4	23.0	24.6	27.1	27.4	25.9	26.6	25.6
	Female	6.3	6.5	6.6	6.7	7.0	8.1	6.7	7.5	7.0	7.7	7.7
ASSAULT (HOMICIDE)												
	Total	8.2	8.2	8.5	7.7	7.1	5.5	6.5	6.1	5.9	5.9	4.6
	Male	13.3	13.5	13.5	11.8	11.2	8.0	10.5	9.6	8.6	9.2	7.1
	Female	2.9	2.6	3.1	3.2	2.7	2.9	2.4	2.6	3.1	2.5	2.1
SEPTICEMIA												
	Total	8.0	8.4	8.6	8.1	7.9	7.7	7.4	4.7	4.5	4.8	4.4
	Male	9.4	9.7	9.4	8.4	9.4	8.2	10.8	5.4	6.1	5.6	5.0
	Female	7.0	7.5	8.0	7.9	6.7	7.3	5.1	4.0	4.8	4.3	4.0

Notes: [a] The number of deaths per 100,000 population adjusted to the 2000 U.S. standard. The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). Beginning in 2000, the causes of death are classified by ICD-10.

TABLE 2B-3
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2014

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Total, all causes																		
1980	972.7	1241.9	755.9	962.0	1227.8	750.4	931.1	1160.5	743.7	1213.6	1502.6	952.0	1225.7	1589.1	900.6	551.7	706.6	418.8
1990	839.9	1056.7	666.4	833.8	1048.8	663.8	736.6	906.0	591.9	1092.7	1366.7	868.4	1043.2	1371.6	763.0	528.8	589.2	446.3
1991	836.9	1046.3	668.3	826.3	1031.5	661.9	797.7	1020.2	620.0	1140.9	1374.4	926.9	1003.3	1256.1	792.1	518.3	634.6	421.4
1992	840.2	1066.9	658.4	825.8	1044.8	651.7	808.7	1053.8	614.6	1140.1	1455.5	877.4	1058.7	1345.0	815.1	550.5	674.3	450.6
1993	866.4	1081.0	691.0	852.7	1060.9	682.5	852.6	1096.9	663.2	1041.6	1295.4	828.6	1078.4	1377.8	830.6	651.9	705.1	611.6
1994	846.6	1049.8	677.9	834.7	1031.8	672.1	798.6	975.8	652.6	1133.0	1486.6	841.7	1012.7	1285.8	779.8	675.6	836.4	556.9
1995	835.5	1026.0	675.3	823.1	1008.9	668.2	823.7	1021.1	659.6	1110.4	1411.2	867.0	1010.4	1192.0	846.8	595.8	804.1	438.2
1996	829.3	1020.7	672.0	817.6	1006.4	663.6	783.7	981.1	622.8	1038.4	1224.6	890.7	1047.2	1282.1	848.7	378.7	456.6	321.3
1997	809.5	975.5	668.6	798.4	954.8	666.1	789.1	1010.8	613.5	1040.2	1252.1	859.6	972.9	1177.6	795.4	426.3	530.3	351.1
1998	807.6	978.4	665.4	794.5	959.6	657.2	804.1	990.0	654.6	1017.9	1253.7	840.8	990.7	1230.3	789.4	460.3	499.5	429.0
1999	811.0	982.6	668.7	792.3	957.4	656.1	794.6	995.4	635.5	1025.4	1254.3	842.9	1017.5	1176.1	877.9	434.8	511.7	378.4
2000	785.6	941.1	654.6	776.6	930.6	647.3	769.9	926.0	642.4	1057.5	1263.1	890.3	1011.4	1240.4	818.7	504.1	544.0	451.5
2001	791.2	952.4	656.7	778.1	936.3	647.1	787.6	958.7	644.5	1050.6	1211.7	923.5	1010.5	1213.3	836.9	560.7	592.9	517.2
2002	796.4	964.8	658.0	786.7	948.7	654.4	811.1	1007.5	651.5	951.5	1170.1	759.6	975.1	1201.3	792.3	560.4	661.8	452.6
2003	784.0	942.8	651.5	764.9	921.4	636.0	839.5	1007.3	698.7	1048.6	1201.7	901.9	900.7	1057.7	761.4	497.2	522.0	478.7
2004	757.3	909.0	632.0	734.6	885.2	612.8	834.0	1006.6	691.5	1021.7	1149.2	895.8	879.2	1040.6	741.7	557.5	446.5	715.3
2005	772.5	925.7	644.9	744.6	894.4	622.3	849.2	1062.1	679.8	1053.1	986.6	1125.9	1006.6	1215.2	835.6	629.5	670.8	593.1
2006	727.3	861.6	611.8	728.5	854.4	621.1	685.6	837.3	556.0	885.1	1109.5	693.6	744.5	933.9	593.0	393.4	478.0	340.5
2007	663.2	773.8	561.7	665.1	777.7	563.2	603.7	705.7	509.3	719.2	739.1	691.2	752.5	928.8	605.2	356.3	1008.6	342.1
2008	659.6	777.6	554.3	660.1	780.7	553.9	606.9	704.0	515.8	710.7	746.4	670.5	766.3	937.9	620.0	427.0	529.7	359.0
2009	653.2	763.9	555.1	647.3	761.9	546.8	614.9	712.3	528.4	736.8	728.4	736.1	823.5	972.5	695.0	472.8	561.7	408.7
2010	679.9	802.0	572.6	674.4	791.8	569.7	612.0	716.0	525.0	835.0	1009.6	698.5	891.8	1080.0	731.1	424.1	544.7	345.7
2011	699.6	817.1	595.3	741.5	810.1	595.9	656.4	781.9	549.7	833.6	981.9	718.5	765.5	871.4	669.5	436.7	521.8	377.8
2012	687.2	811.0	579.2	693.1	817.9	583.0	616.2	743.0	512.8	886.5	985.3	793.1	843.8	1001.0	708.3	440.1	463.6	418.3
2013	687.8	805.8	583.8	693.7	811.8	588.8	615.6	708.5	534.9	918.5	1061.5	782.1	887.0	1075.3	728.5	413.4	485.9	364.6
2014	676.0	791.2	572.8	685.7	802.3	579.5	636.9	752.5	538.1	739.9	850.5	646.5	818.5	971.5	684.9	371.8	416.1	337.6
Cardiovascular diseases																		
1980	450.3	556.9	363.4	459.1	567.6	370.6	416.4	517.3	337.1	510.4	615.4	418.0	281.3	373.6	199.5	310.5	375.0	251.9
1990	338.6	410.6	280.7	343.6	417.5	284.2	285.7	347.2	236.0	446.1	492.3	411.6	269.0	365.5	190.7	188.2	180.4	189.7
1991	328.9	397.0	271.5	331.2	401.0	272.4	306.1	370.0	252.6	467.2	495.5	432.1	248.0	308.2	200.8	217.4	259.1	181.9
1992	329.2	402.3	269.6	328.7	403.3	267.8	318.0	387.0	263.8	503.7	602.1	425.1	280.7	360.5	216.0	206.2	226.1	191.9
1993	339.9	408.5	282.4	341.1	413.4	280.0	317.3	384.2	266.5	408.2	438.8	379.2	293.3	323.2	269.4	301.2	327.6	281.1
1994	324.1	387.3	269.9	325.4	389.5	269.8	298.5	359.6	252.6	438.2	507.7	371.4	287.6	369.8	222.0	279.8	309.9	256.7
1995	318.3	380.6	266.3	318.8	384.6	264.0	319.5	356.4	286.2	407.9	477.7	352.9	269.0	298.3	243.6	236.9	349.8	152.1
1996	307.1	373.1	253.1	309.6	377.4	254.0	285.3	361.6	226.2	385.6	406.2	364.3	267.9	323.4	224.1	134.8	183.0	99.3
1997	297.3	349.6	252.6	298.4	351.2	253.0	300.4	358.3	255.3	355.5	384.4	326.1	237.6	268.9	211.5	165.0	217.1	128.5
1998	296.2	356.4	246.3	295.2	356.0	244.2	297.6	358.7	252.2	420.5	512.3	348.6	259.1	336.2	198.2	173.5	175.3	177.4
1999	289.7	349.8	240.1	289.5	350.5	238.5	283.5	352.2	234.1	384.3	432.7	342.8	241.0	290.8	201.4	164.9	172.0	159.9
2000	276.1	333.1	230.0	276.0	335.8	227.7	273.6	320.8	236.1	411.5	460.3	374.6	257.5	308.3	218.7	190.6	197.0	183.2
2001	267.3	321.6	223.0	265.8	322.0	220.1	281.4	325.8	242.8	388.1	422.3	354.6	234.1	275.6	202.5	184.3	190.8	179.9
2002	265.5	321.1	221.0	266.1	323.2	220.0	276.3	321.8	240.0	329.8	402.1	269.0	216.2	257.6	184.4	218.4	280.4	173.5
2003	258.4	310.3	215.8	257.2	309.3	214.2	278.2	339.9	230.3	390.1	426.5	348.3	188.6	239.3	150.6	145.3	137.2	150.7
2004	248.5	298.4	207.8	243.1	295.7	200.6	284.1	331.4	247.0	372.5	365.2	363.2	214.6	254.7	181.0	200.3	158.8	259.2
2005	245.7	298.2	203.8	241.3	295.8	198.2	266.1	331.8	217.5	343.3	304.3	385.9	235.6	279.7	201.6	243.0	244.9	241.3
2006	216.4	258.3	181.0	218.2	258.9	183.3	203.2	243.8	170.2	310.3	443.9	208.0	167.0	213.0	131.3	136.2	159.0	122.9
2007	194.4	227.5	164.3	196.9	234.0	163.5	179.8	201.8	159.1	225.9	210.0	239.7	155.0	181.8	132.4	108.9	265.9	108.3
2008	194.1	235.8	158.1	196.3	240.6	158.3	184.8	218.8	153.8	219.6	235.0	205.2	150.4	172.8	133.7	121.4	132.3	114.1
2009	188.8	228.1	154.9	188.3	229.4	152.9	179.8	211.3	151.9	245.7	228.8	252.2	164.2	209.1	130.0	150.8	182.3	127.9
2010	188.6	225.1	156.7	188.8	224.9	156.6	172.4	201.5	148.9	258.5	305.4	215.1	183.2	216.9	154.8	130.0	175.8	98.9
2011	201.0	239.2	168.0	212.6	239.9	167.1	193.4	223.9	168.0	266.1	329.3	219.6	149.2	160.8	136.3	122.4	148.6	103.7
2012	193.3	233.6	159.1	195.1	238.4	157.9	176.2	204.3	153.1	284.0	290.7	269.6	168.3	204.1	139.8	134.7	159.3	116.7
2013	187.7	229.0	152.4	190.9	233.3	154.0	161.9	194.2	135.3	280.2	354.0	218.5	164.2	199.8	137.4	133.6	154.8	119.2
2014	171.6	206.9	140.7	174.9	210.4	143.0	156.2	191.6	127.3	212.3	256.3	176.8	147.7	196.6	111.3	100.8	112.7	90.4
-----Diseases of heart																		
1980	346.3	444.5	266.2	353.6	454.3	271.8	307.3	395.1	237.0	392.5	462.7	328.2	236.1	323.6	159.3	268.1	375.0	177.0
1990	263.8	330.7	210.3	268.3	336.8	213.2	222.0	285.2	172.9	343.0	381.9	311.5	207.1	289.3	140.3	135.0	143.5	130.8
1991	254.3	319.1	201.0	257.8	324.2	203.2	229.2	295.6	175.8	362.5	388.4	328.1	179.5	234.2	135.5	128.3	149.0	111.4
1992	257.2	324.0	202.9	257.3	325.7	201.7	245.2	306.5	196.7	386.5	473.1	317.6	224.7	295.5	167.2	167.3	187.6	154.4
1993	265.1	332.8	209.6	266.5	337.5	207.8	246.3	301.5	203.6	317.3	386.4	262.9	228.7	273.1	194.1	203.2	203.2	206.6
1994	248.3	307.6	198.5	250.4	310.7	199.2	225.5	273.0	189.5	325.1	403.8	255.3	215.5	290.3	155.6	184.5	241.8	141.9
1995	243.3	302.9	194.1	244.5	307.8	192.5	241.6	279.8	207.7	316.0	373.6	268.8	201.5	221.6	182.1	155.3	215.5	109.9
1996	230.7	292.8	180.8	233.4	298.0	181.3	210.7	279.0	158.1	282.6	305.7	263.7	191.9	236.9	156.6	103.1	124.4	87.1
1997	221.6	272.1	179.2	223.3	275.9	179.2	214.6	253.2	182.8	271.4	290.1	249.7	185.9	213.7	162.1	119.3	173.2	80.1
1998	219.0	275.2	172.5	218.5	275.6	170.6	223.2	281.5	180.4	317.4	375.4	271.6	192.4	273.2	129.0	81.2	52.6	106.8
1999	213.9	269.4	168.5	215.1	271.5	168.3	204.4	259.8	163.3	281.1	323.0	246.0	177.0	237.1	131.3	95.4	95.1	95.8
2000	206.1	259.3	163.6	207.2	263.2	162.5	204.7	247.2	171.4	289.5	312.8	267.0	183.8	229.5	148.5	132.3	146.1	118.8
2001	201.7	251.3	161.5	202.1	252.9	160.9	206.1	255.8	165.4	273.6	300.5	248.5	177.7	218.4	146.8	116.1	116.8	116.0
2002	201.0	253.6	158.9	203.0	257.8	159.0	201.2	239.2	170.5	237.0	311.6	178.6	164.0	201.2	134.3	145.6	177.8	122.0
2003	197.1	246.6	157.1	197.9	248.4	157.2	198.5	252.7	155.9	299.4	335.2	259.2	141.9	181.6	111.0	97.6	88.8	103.5
2004	186.7	234.2	148.5	184.9	235.0	144.8	197.6	239.1	165.0	258.5	241.3	258.5	166.9	215.3	128.2	135.3	112.8	167.4
2005	186.9	237.4	147.3	185.2	237.7	144.5	189.6	242.2	149.9	250.3	235.7	266.2	179.1	231.7	139.9	159.8	177.7	143.9
2006	166.1	207.3	131.8	168.8	210.6	133.9	149.8	181.1	124.0	231.9	328.6	153.5	129.4	169.5	98.1	94.7	118.5	80.2
2007	149.5	184.0	119.4	153.2	191.3	120.0	131.5	158.9	107.7	171.3	160.4	182.5	115.2	140.5	94.7	58.6	152.9	56.4
2008	149.3	189.3	115.1	153.1	195.7	116.8	132.0	165.2	102.4	161.7	175.2	146.9	114.6	129.0	103.8	71.8	92.0	57.8
2009	145.9	183.1	114.1	147.5	186.5	114.2	130.5	159.6	105.4	171.3	176.1	160.4	125.8	156.1	100.5	96.7	118.1	80.9
2010	143.3	179.8	112.2	145.4	181.9	113.7	121.3	149.0	99.5	177.7	233.6	133.9	135.9	169.5	108.1	86.8	128.1	60.0
2011	152.7	192.8	119.0	164.3	196.2	120.4	137.4	167.1	113.2	174.0	252.9	119.3	111.1	131.1	92.7	77.0	105.3	57.3
2012	145.8	184.4	113.7	150.0	190.9	115.3	123.4	149.8	101.8	190.5	216.9	168.5	122.7	160.6	93.9	87.9	116.9	68.3
2013	143.0	183.6	109.2	147.6	190.0	111.5	116.1	144.4	93.0	200.5	269.1	144.8	122.9	159.8	97.1	82.5	98.8	70.9
2014	129.9	164.1	100.5	134.4	168.9	104.1	114.0	147.8	87.0	140.9	175.3	113.3	107.5	159.3	70.3	60.3	73.8	49.9

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2014

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
-----Cerebrovascular diseases																		
1980	74.9	75.9	73.8	76.4	76.0	75.8	72.5	79.8	68.2	89.3	105.8	77.0	36.2	50.0	23.5	42.4	0.0	74.9
1990	54.6	54.6	54.1	55.0	54.7	54.8	45.2	40.7	46.9	76.6	84.7	73.2	48.8	63.0	37.5	44.7	23.5	54.5
1991	53.9	54.1	52.4	53.3	53.3	51.9	47.3	42.6	49.0	71.6	74.4	68.0	59.9	66.2	56.1	66.9	83.7	53.6
1992	51.7	55.0	49.3	51.2	53.6	49.3	51.5	63.4	43.5	77.6	86.1	70.4	43.1	49.3	38.2	30.6	38.5	22.0
1993	55.0	51.9	56.0	54.8	51.8	55.6	52.4	59.3	48.1	51.8	29.9	66.0	52.8	36.6	65.1	68.0	70.9	64.0
1994	54.7	55.5	53.1	54.3	54.9	52.7	54.2	61.7	48.6	63.6	62.3	64.1	47.7	48.5	46.8	75.6	46.1	96.6
1995	53.9	52.8	54.0	53.1	51.2	53.7	57.3	58.5	56.6	64.6	73.8	58.4	54.3	64.7	47.3	54.2	79.5	35.4
1996	54.8	55.9	53.0	54.4	54.7	53.2	53.8	61.4	48.7	77.9	71.2	78.0	59.7	68.2	52.6	31.1	57.2	12.2
1997	54.9	52.5	55.8	54.1	50.2	56.0	64.6	77.6	55.3	64.3	72.7	58.7	37.2	37.3	37.8	33.9	20.2	45.5
1998	52.2	52.3	51.9	51.8	51.5	52.0	49.8	50.6	48.7	58.8	69.1	50.6	49.5	44.8	52.8	75.7	112.1	49.0
1999	48.5	50.2	46.9	47.6	49.0	46.0	52.5	60.8	47.2	63.8	70.8	56.3	39.7	32.2	44.5	36.7	35.0	37.5
2000	51.7	50.8	51.8	50.8	49.3	51.4	51.2	54.4	48.3	82.4	101.5	71.6	55.3	60.2	51.9	46.1	45.0	47.8
2001	47.7	48.3	46.8	46.2	47.1	45.0	55.4	50.8	57.7	79.6	80.0	76.2	44.3	46.6	42.9	51.1	49.2	52.1
2002	47.0	47.3	46.7	45.9	45.3	46.2	53.9	62.6	47.8	69.6	57.9	72.9	39.4	46.5	34.7	57.6	72.6	46.9
2003	43.9	42.9	43.8	41.7	40.1	42.1	61.9	65.7	59.2	69.0	60.6	73.5	36.4	45.8	29.9	35.9	42.5	31.1
2004	43.6	42.7	43.6	41.4	40.6	41.3	61.3	62.4	60.1	71.5	69.0	69.1	27.5	20.1	31.8	45.1	31.6	64.4
2005	40.6	40.0	40.5	38.8	38.1	38.8	51.0	59.8	44.3	66.0	40.3	94.1	32.3	29.9	33.7	64.6	49.0	78.3
2006	34.8	33.4	35.2	34.1	31.3	35.5	37.3	43.9	32.1	58.2	86.0	41.1	27.0	32.8	23.0	18.4	6.8	25.9
2007	30.6	27.7	32.2	29.7	26.9	31.2	34.9	30.0	37.8	34.1	30.9	36.5	22.0	23.9	20.3	37.7	85.6	40.0
2008	30.3	29.6	30.5	29.2	28.0	29.9	33.6	34.6	32.0	40.0	42.9	38.9	23.5	26.2	21.8	36.2	32.8	38.9
2009	28.9	28.2	29.1	27.5	26.6	27.9	33.8	34.3	32.7	42.8	31.4	54.5	24.7	33.5	20.0	39.2	43.6	35.9
2010	30.7	28.9	31.3	29.4	27.2	30.5	35.1	34.8	34.6	53.5	41.4	58.1	29.8	30.0	29.5	26.0	30.7	21.7
2011	30.6	28.0	32.3	30.4	26.2	30.7	34.9	33.3	35.6	56.5	43.3	64.3	29.7	24.8	33.1	29.1	34.2	26.2
2012	29.9	30.0	29.4	28.1	28.0	27.6	35.5	37.8	33.6	56.0	50.9	57.7	27.1	30.3	24.5	30.9	26.4	33.3
2013	28.2	27.2	28.5	27.1	25.7	27.7	29.7	30.8	28.5	54.4	51.4	54.6	23.4	18.6	25.3	30.7	30.0	31.2
2014	26.2	24.8	26.8	25.3	25.2	26.1	27.4	26.6	27.5	40.8	41.7	39.2	24.5	24.2	24.0	28.7	33.1	25.8
Malignant neoplasms																		
1980	191.3	242.3	154.6	197.7	253.8	157.9	160.3	175.0	150.2	214.3	272.3	167.0	107.0	122.0	94.0	41.4	67.4	22.2
1990	190.4	238.8	156.2	195.1	245.9	160.0	162.6	185.3	143.4	244.2	360.7	155.6	122.1	123.1	121.0	109.3	132.4	86.1
1991	197.7	246.5	163.2	203.7	253.3	169.1	162.4	204.1	132.3	252.6	333.9	187.6	130.9	158.1	109.7	135.2	149.6	128.0
1992	194.0	244.5	157.7	198.8	250.0	161.9	170.7	210.8	142.6	258.2	378.8	168.9	116.1	126.7	108.4	118.6	155.9	86.1
1993	193.2	240.6	159.8	198.0	245.5	164.4	180.9	242.4	140.2	196.3	241.0	160.3	129.8	143.3	120.0	131.4	154.5	113.3
1994	190.9	238.2	157.5	196.9	246.3	161.8	156.3	184.7	137.7	224.1	310.8	164.6	108.5	121.2	98.9	170.5	254.3	109.9
1995	183.2	224.8	153.4	187.2	228.1	157.9	160.9	220.2	120.3	247.1	330.0	187.8	133.5	151.9	119.2	171.1	181.2	165.3
1996	183.6	228.5	151.2	188.8	234.7	155.7	160.6	206.7	129.1	228.5	304.6	175.2	139.8	146.3	135.6	77.0	102.1	59.2
1997	178.8	217.2	150.8	184.5	221.2	157.8	146.4	199.7	108.1	241.9	343.2	175.5	116.0	146.2	92.8	88.5	84.5	93.0
1998	174.5	211.2	147.8	179.2	216.0	152.4	150.8	184.9	124.8	222.4	293.1	183.4	117.0	134.2	104.1	114.0	110.0	115.2
1999	176.7	212.6	150.5	182.2	218.0	155.6	145.9	179.9	122.6	214.4	302.2	156.7	114.1	128.1	104.0	95.5	120.2	79.3
2000	170.4	204.0	145.8	174.8	208.1	150.0	156.9	201.5	126.0	216.1	274.7	178.0	123.0	142.7	107.2	103.4	103.6	103.1
2001	169.2	199.8	147.5	173.1	203.7	151.4	155.6	196.8	126.9	213.0	247.6	195.0	121.7	128.8	115.4	147.0	175.5	127.1
2002	168.6	209.1	139.1	172.4	213.2	142.5	156.3	211.2	118.0	222.7	290.3	176.0	117.6	125.8	112.5	116.5	126.5	108.5
2003	169.4	208.3	141.3	171.2	212.4	141.2	168.5	209.2	140.1	218.5	245.6	200.8	120.7	112.6	126.7	132.9	132.8	132.6
2004	164.7	201.2	138.6	165.4	202.9	138.1	161.6	218.1	123.6	227.7	274.2	200.5	139.3	150.9	131.8	111.0	72.9	165.2
2005	161.8	197.1	136.1	162.4	197.6	136.8	165.9	217.1	130.8	217.9	216.7	219.3	122.2	159.7	97.5	112.7	122.5	104.0
2006	154.7	187.0	131.0	162.8	195.5	138.4	124.7	160.9	98.7	163.5	216.0	127.7	83.1	93.9	79.5	82.0	113.2	64.1
2007	148.0	176.7	125.6	154.6	184.4	131.1	118.6	144.3	99.0	153.4	178.3	135.2	113.9	135.0	100.1	84.2	248.1	81.6
2008	145.5	173.8	123.0	150.4	179.7	127.0	123.8	151.9	101.5	149.2	150.1	146.3	106.7	126.4	93.2	104.4	149.4	74.0
2009	147.2	174.9	125.8	151.1	179.8	128.7	128.4	157.1	105.9	153.1	160.3	154.2	113.3	127.5	103.5	108.1	122.0	98.7
2010	150.5	180.6	127.1	155.6	185.8	131.6	126.2	148.8	110.6	182.6	231.0	144.8	106.4	137.8	86.6	96.2	130.7	74.2
2011	151.3	179.3	129.5	170.3	182.2	132.4	136.3	176.0	107.3	167.1	170.6	169.0	100.8	116.3	90.9	116.6	126.2	110.2
2012	149.8	180.3	125.9	155.6	185.9	131.5	127.2	161.8	102.4	180.1	220.1	147.1	100.8	114.5	90.4	100.5	113.1	94.6
2013	149.6	175.0	129.9	154.3	180.9	133.3	129.8	147.2	117.0	190.4	209.3	176.5	118.2	126.0	114.5	100.1	131.4	81.4
2014	136.3	160.8	116.8	141.8	166.5	121.8	124.9	153.6	103.4	145.0	154.7	140.9	97.1	124.6	77.3	83.2	82.1	83.5
-----Lung cancer																		
1980	49.3	78.1	26.8	52.6	83.6	28.8	30.0	43.3	18.9	55.5	84.3	28.7	9.3	11.7	6.8	0.0	0.0	0.0
1990	51.7	71.9	36.5	55.1	75.9	39.6	31.5	41.9	22.7	66.2	123.1	19.9	8.7	12.7	5.4	30.5	53.6	8.8
1991	54.5	76.4	37.7	58.7	80.4	42.0	30.2	53.2	14.2	71.3	129.4	25.5	11.3	23.0	1.8	28.5	45.2	16.9
1992	54.5	76.4	37.8	58.5	81.1	41.3	33.6	52.4	19.7	67.0	102.0	36.8	7.1	10.2	4.7	26.3	18.5	32.2
1993	53.4	75.4	36.5	58.0	80.6	40.6	31.5	50.1	17.6	49.4	91.4	14.6	12.6	13.7	11.7	16.9	22.5	13.9
1994	52.2	71.5	37.2	56.3	76.3	40.8	28.9	40.1	20.3	64.9	107.1	34.0	8.8	15.3	3.6	28.5	65.4	0.0
1995	50.8	68.3	37.3	54.1	71.3	40.7	29.3	48.7	15.3	78.3	127.9	41.4	14.0	23.8	6.2	35.9	39.3	34.1
1996	51.4	69.3	37.2	55.3	73.4	40.8	29.1	50.9	14.1	62.7	92.7	39.2	11.2	16.4	6.7	14.5	16.3	13.6
1997	50.2	66.4	37.9	54.0	69.3	42.2	26.3	48.3	10.8	75.1	127.4	37.4	12.4	19.8	6.7	17.1	29.7	8.0
1998	48.4	62.4	37.6	52.0	65.8	41.2	29.2	45.4	17.5	58.3	81.2	43.6	11.3	12.2	10.4	33.2	48.9	20.0
1999	51.0	65.8	39.6	55.4	70.2	43.8	28.0	43.1	17.5	45.0	76.2	23.5	11.6	12.6	10.9	24.1	46.0	8.8
2000	46.1	59.2	35.8	49.1	61.9	39.1	31.6	49.6	18.1	65.8	79.8	52.1	8.9	13.1	5.5	29.6	29.0	29.8
2001	44.5	54.8	36.4	47.6	57.0	40.2	29.2	49.4	14.4	55.7	78.9	39.5	9.8	11.9	8.1	41.7	62.8	27.1
2002	46.6	58.6	37.1	50.1	62.4	40.4	27.7	40.0	18.3	61.2	74.7	49.5	13.1	13.4	13.0	24.7	24.5	24.6
2003	47.4	61.0	37.1	50.6	64.0	40.3	33.5	49.6	21.5	59.4	80.8	45.6	13.2	17.2	10.3	21.9	26.3	18.5
2004	45.4	57.3	36.3	48.2	59.6	39.3	29.4	49.4	14.7	61.4	74.4	53.0	17.3	21.5	14.2	21.5	15.7	30.3
2005	43.0	54.1	34.4	45.9	56.8	37.4	29.0	45.0	17.3	53.0	58.6	46.8	6.5	9.0	4.7	19.7	18.8	20.4
2006	42.7	53.5	34.2	47.4	58.6	38.5	21.4	31.6	13.8	45.9	65.9	33.9	4.7	4.3	4.9	18.4	32.5	9.2
2007	38.2	47.2	30.9	42.4	51.7	34.8	20.5	30.4	12.4	39.6	46.3	35.7	9.9	14.2	6.8	21.5	48.0	23.1
2008	38.5	47.7	31.2	42.3	51.7	34.8	20.0	27.7	13.7	37.1	45.4	27.8	11.2	10.1	11.7	32.7	49.1	21.8
2009	39.0	47.4	32.2	42.7	51.5	35.5	23.7	33.9	15.8	38.7	38.3	39.8	10.0	7.1	12.6	26.6	37.0	19.1
2010	38.1	46.1	31.5	41.7	49.5	35.3	20.6	28.5	14.6	36.6	41.7	31.4	7.5	12.5	3.6	22.1	36.9	12.8
2011	37.8	46.1	31.1	46.7	49.2	34.9	22.9	35.9	13.3	36.6	40.4	33.3	7.9	13.8	3.9	20.8	33.9	13.4
2012	37.7	45.2	31.6	41.5	49.0	35.3	22.0	30.6	15.6	43.0	50.7	36.7	9.3	7.9	9.8	20.9	33.6	13.5
2013	36.4	42.9	31.0	40.2	46.7	34.8	22.1	27.6	17.3	40.5	57.3	29.4	10.0	11.6	9.5	22.9	31.6	17.6
2014	32.2	38.1	27.3	35.3	41.0	30.5	21.6	30.4	15.2	29.5	37.5	22.7	10.2	12.0	8.7	26.7	27.8	25.4

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2014

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
-----Colorectal cancer																		
1980	22.9	26.7	19.9	24.4	28.6	21.0	15.3	18.0	13.0	14.1	12.4	14.7	3.6	2.4	4.5	13.4	33.3	0.0
1990	19.4	22.1	17.1	19.9	23.3	17.1	17.4	14.7	18.3	24.8	20.1	29.9	1.1	2.4	0.0	6.8	9.3	4.9
1991	19.1	23.0	16.2	19.4	23.5	16.4	20.2	21.2	19.1	18.1	12.7	22.0	9.2	16.4	3.4	13.3	15.6	13.0
1992	17.1	21.6	13.7	17.5	21.8	14.1	16.0	38.7	10.6	27.9	38.7	22.9	6.4	5.5	7.0	7.5	14.9	2.0
1993	18.3	22.4	15.1	18.7	23.0	15.4	16.9	20.7	13.7	23.5	33.9	16.2	5.8	1.5	9.1	14.0	4.0	21.5
1994	18.7	21.7	16.3	19.4	22.4	17.0	16.4	17.3	15.8	18.1	30.9	7.7	8.2	6.7	9.3	14.1	20.0	10.4
1995	18.8	20.7	17.1	19.3	21.4	17.5	13.7	15.5	11.7	26.4	25.1	27.5	13.2	7.8	17.4	15.2	32.4	2.7
1996	19.6	24.6	15.9	19.8	25.0	15.8	19.7	23.7	16.8	36.2	36.9	37.9	11.3	18.5	6.0	0.0	0.0	0.0
1997	18.3	22.0	15.4	18.8	22.4	16.0	14.5	19.8	10.3	27.2	27.1	26.4	6.9	9.1	5.1	20.3	7.5	30.7
1998	20.3	25.7	16.0	20.2	25.6	16.1	20.4	27.0	14.9	41.8	39.8	20.7	10.5	9.8	10.3	16.4	6.4	23.2
1999	19.1	23.5	15.6	19.2	23.7	15.8	17.3	20.3	14.4	31.2	38.1	24.3	6.8	4.3	8.5	3.6	5.0	2.6
2000	17.0	20.5	14.1	17.4	20.7	14.6	16.4	20.5	13.5	16.3	26.3	9.7	8.2	15.1	2.7	6.6	12.9	2.2
2001	16.7	19.0	14.8	16.9	19.0	15.2	16.6	22.1	12.9	27.4	26.2	25.2	7.2	7.8	6.3	10.6	15.3	7.2
2002	16.5	20.6	13.4	16.9	21.0	13.6	16.2	23.4	11.7	26.4	36.4	19.8	9.1	7.9	9.3	9.7	13.9	7.0
2003	17.9	21.8	14.7	17.9	22.0	14.4	21.2	25.5	17.9	26.3	22.3	28.2	6.3	10.2	3.7	3.0	4.8	1.8
2004	15.3	18.9	12.6	15.5	19.2	12.8	13.1	15.8	11.5	27.3	41.2	16.9	9.3	14.1	5.6	11.0	7.7	15.9
2005	15.4	18.9	12.8	15.2	18.8	12.5	17.6	21.5	14.8	27.0	23.7	30.6	7.5	10.0	6.0	12.5	18.7	7.1
2006	14.6	18.1	12.0	15.1	18.9	12.0	14.2	15.8	13.1	14.9	21.1	10.1	4.7	3.5	5.5	6.5	11.4	3.9
2007	14.4	17.7	11.5	15.0	18.1	12.3	12.0	16.5	8.6	15.7	19.3	11.8	8.0	10.6	5.3	9.4	28.7	9.8
2008	13.1	15.1	11.3	13.2	15.0	11.4	13.2	15.5	11.2	16.4	20.3	13.0	11.1	11.9	10.9	8.6	14.9	4.2
2009	12.9	14.9	11.2	12.9	15.1	11.0	13.8	16.7	11.5	14.1	14.0	14.9	8.5	7.4	9.1	13.8	16.4	12.5
2010	13.8	16.6	11.4	13.9	16.0	12.1	13.5	19.0	9.2	21.9	28.9	16.0	12.4	19.9	8.0	10.3	22.2	2.6
2011	13.4	15.4	11.6	14.4	15.3	11.4	13.6	16.5	11.2	20.2	12.6	25.6	9.9	12.0	7.4	14.3	16.2	12.7
2012	13.1	15.8	10.7	13.4	16.0	11.2	12.2	17.0	8.3	20.5	23.9	17.4	7.1	7.8	6.3	9.8	8.0	11.4
2013	13.6	15.3	12.3	13.7	15.5	12.2	12.5	14.3	10.9	21.7	19.6	23.0	11.3	7.3	14.0	12.1	13.0	11.7
2014	12.4	14.6	10.5	13.2	15.0	11.5	10.8	15.1	7.4	15.8	18.4	14.3	7.0	9.5	4.7	7.2	8.3	6.3
-----Female breast cancer																		
1980	NA	NA	31.1	NA	NA	33.7	NA	NA	18.2	NA	NA	34.0	NA	NA	4.7	NA	NA	0.0
1990	NA	NA	29.5	NA	NA	31.3	NA	NA	27.5	NA	NA	16.3	NA	NA	3.2	NA	NA	0.0
1991	NA	NA	28.3	NA	NA	30.3	NA	NA	14.5	NA	NA	25.7	NA	NA	15.5	NA	NA	24.6
1992	NA	NA	28.0	NA	NA	30.3	NA	NA	16.6	NA	NA	22.9	NA	NA	8.8	NA	NA	3.9
1993	NA	NA	29.2	NA	NA	30.6	NA	NA	19.3	NA	NA	42.7	NA	NA	16.6	NA	NA	8.7
1994	NA	NA	28.6	NA	NA	29.2	NA	NA	23.1	NA	NA	41.3	NA	NA	9.2	NA	NA	25.5
1995	NA	NA	23.7	NA	NA	24.5	NA	NA	16.7	NA	NA	31.2	NA	NA	9.9	NA	NA	49.0
1996	NA	NA	24.1	NA	NA	24.8	NA	NA	19.9	NA	NA	39.0	NA	NA	18.2	NA	NA	4.8
1997	NA	NA	26.5	NA	NA	27.8	NA	NA	22.3	NA	NA	38.4	NA	NA	9.6	NA	NA	2.1
1998	NA	NA	24.8	NA	NA	26.3	NA	NA	20.1	NA	NA	28.9	NA	NA	7.7	NA	NA	7.0
1999	NA	NA	24.4	NA	NA	25.9	NA	NA	15.7	NA	NA	32.8	NA	NA	9.9	NA	NA	13.5
2000	NA	NA	25.4	NA	NA	26.2	NA	NA	20.7	NA	NA	29.5	NA	NA	12.1	NA	NA	12.8
2001	NA	NA	23.6	NA	NA	24.7	NA	NA	17.5	NA	NA	55.8	NA	NA	11.7	NA	NA	12.7
2002	NA	NA	22.2	NA	NA	22.5	NA	NA	18.7	NA	NA	42.3	NA	NA	9.6	NA	NA	17.7
2003	NA	NA	22.1	NA	NA	22.3	NA	NA	18.9	NA	NA	41.2	NA	NA	16.4	NA	NA	19.6
2004	NA	NA	21.4	NA	NA	21.4	NA	NA	18.0	NA	NA	32.2	NA	NA	18.4	NA	NA	35.2
2005	NA	NA	20.7	NA	NA	20.5	NA	NA	19.8	NA	NA	35.7	NA	NA	14.9	NA	NA	17.3
2006	NA	NA	21.6	NA	NA	23.2	NA	NA	14.0	NA	NA	25.7	NA	NA	6.9	NA	NA	7.5
2007	NA	NA	20.1	NA	NA	20.5	NA	NA	16.9	NA	NA	23.9	NA	NA	16.2	NA	NA	11.3
2008	NA	NA	19.8	NA	NA	20.6	NA	NA	15.1	NA	NA	38.0	NA	NA	11.6	NA	NA	7.1
2009	NA	NA	19.2	NA	NA	19.8	NA	NA	16.4	NA	NA	30.7	NA	NA	11.6	NA	NA	5.9
2010	NA	NA	19.2	NA	NA	19.9	NA	NA	18.5	NA	NA	25.8	NA	NA	8.2	NA	NA	12.9
2011	NA	NA	19.7	NA	NA	20.8	NA	NA	12.2	NA	NA	24.1	NA	NA	7.5	NA	NA	15.6
2012	NA	NA	19.2	NA	NA	20.0	NA	NA	14.8	NA	NA	30.3	NA	NA	8.6	NA	NA	15.3
2013	NA	NA	20.7	NA	NA	21.3	NA	NA	19.7	NA	NA	23.3	NA	NA	13.1	NA	NA	11.4
2014	NA	NA	17.9	NA	NA	18.5	NA	NA	16.5	NA	NA	29.4	NA	NA	9.2	NA	NA	6.3
-----Prostate cancer																		
1980	NA	29.4	NA	NA	29.3	NA	NA	32.2	NA	NA	45.9	NA	NA	28.0	NA	NA	0.0	NA
1990	NA	34.0	NA	NA	34.1	NA	NA	28.3	NA	NA	94.9	NA	NA	20.4	NA	NA	13.9	NA
1991	NA	36.1	NA	NA	36.9	NA	NA	24.8	NA	NA	77.0	NA	NA	21.3	NA	NA	27.7	NA
1992	NA	33.0	NA	NA	32.7	NA	NA	32.5	NA	NA	89.0	NA	NA	20.2	NA	NA	12.7	NA
1993	NA	34.2	NA	NA	34.0	NA	NA	40.9	NA	NA	29.1	NA	NA	27.6	NA	NA	29.0	NA
1994	NA	32.4	NA	NA	32.9	NA	NA	29.3	NA	NA	45.0	NA	NA	14.9	NA	NA	17.2	NA
1995	NA	34.8	NA	NA	34.4	NA	NA	39.9	NA	NA	58.6	NA	NA	26.8	NA	NA	25.2	NA
1996	NA	31.0	NA	NA	31.4	NA	NA	30.7	NA	NA	57.8	NA	NA	10.3	NA	NA	22.9	NA
1997	NA	29.7	NA	NA	30.0	NA	NA	24.8	NA	NA	76.9	NA	NA	11.0	NA	NA	19.2	NA
1998	NA	26.5	NA	NA	25.4	NA	NA	28.9	NA	NA	82.6	NA	NA	20.4	NA	NA	20.2	NA
1999	NA	23.7	NA	NA	23.8	NA	NA	23.0	NA	NA	46.9	NA	NA	11.3	NA	NA	16.6	NA
2000	NA	28.4	NA	NA	28.0	NA	NA	30.0	NA	NA	74.8	NA	NA	27.1	NA	NA	8.9	NA
2001	NA	24.3	NA	NA	24.1	NA	NA	26.3	NA	NA	45.0	NA	NA	14.0	NA	NA	24.2	NA
2002	NA	24.8	NA	NA	24.1	NA	NA	35.3	NA	NA	48.6	NA	NA	12.5	NA	NA	8.4	NA
2003	NA	25.1	NA	NA	25.2	NA	NA	22.4	NA	NA	41.2	NA	NA	21.0	NA	NA	7.6	NA
2004	NA	24.0	NA	NA	22.6	NA	NA	35.0	NA	NA	54.6	NA	NA	31.2	NA	NA	6.1	NA
2005	NA	23.8	NA	NA	23.5	NA	NA	30.6	NA	NA	20.4	NA	NA	23.5	NA	NA	5.1	NA
2006	NA	20.1	NA	NA	19.2	NA	NA	25.9	NA	NA	34.9	NA	NA	16.9	NA	NA	24.0	NA
2007	NA	18.9	NA	NA	19.5	NA	NA	15.8	NA	NA	23.6	NA	NA	16.6	NA	NA	19.4	NA
2008	NA	19.1	NA	NA	18.9	NA	NA	20.3	NA	NA	20.5	NA	NA	14.7	NA	NA	25.5	NA
2009	NA	18.4	NA	NA	18.2	NA	NA	20.0	NA	NA	28.9	NA	NA	16.4	NA	NA	2.1	NA
2010	NA	19.1	NA	NA	18.4	NA	NA	23.9	NA	NA	35.2	NA	NA	21.6	NA	NA	12.6	NA
2011	NA	19.8	NA	NA	19.5	NA	NA	20.6	NA	NA	24.1	NA	NA	17.1	NA	NA	5.0	NA
2012	NA	18.9	NA	NA	18.8	NA	NA	22.0	NA	NA	26.7	NA	NA	12.4	NA	NA	9.8	NA
2013	NA	18.2	NA	NA	18.0	NA	NA	17.0	NA	NA	26.7	NA	NA	19.9	NA	NA	18.5	NA
2014	NA	17.0	NA	NA	17.0	NA	NA	15.5	NA	NA	24.0	NA	NA	23.0	NA	NA	7.4	NA

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2014

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Chronic lower respiratory diseases[b]																		
1980	47.4	76.6	25.3	50.9	81.2	27.7	26.0	52.7	6.9	34.2	56.3	16.8	15.4	25.8	6.8	9.2	17.5	0.0
1990	44.4	58.2	35.0	47.7	62.5	37.9	19.9	26.7	15.3	29.7	48.6	15.6	16.4	18.9	14.6	32.6	27.9	32.6
1991	46.4	63.6	35.0	49.4	67.2	37.8	25.6	38.8	16.4	55.1	89.9	27.9	18.3	16.9	19.2	9.1	19.9	0.0
1992	43.9	57.6	34.6	47.3	61.8	37.4	19.0	29.0	12.9	34.6	61.5	15.3	13.6	8.2	17.7	19.6	25.2	15.5
1993	48.5	63.4	38.0	51.3	66.4	40.8	28.4	43.3	17.7	44.9	75.3	21.9	21.4	25.2	18.8	30.3	29.4	31.4
1994	44.6	58.6	35.7	47.5	61.6	38.6	24.0	36.6	16.2	44.1	76.1	24.1	18.4	22.9	14.9	12.7	28.6	0.0
1995	46.9	57.2	39.7	49.4	59.6	42.2	29.6	42.4	20.4	39.6	72.4	20.4	22.9	21.1	24.5	25.7	55.4	2.7
1996	47.1	56.4	40.9	50.9	60.0	44.9	23.2	31.7	17.5	26.3	38.9	15.3	17.3	24.7	11.7	11.6	22.3	3.1
1997	50.1	61.5	42.2	53.9	65.4	46.1	23.2	40.4	12.2	41.8	40.3	42.2	16.7	24.3	10.6	25.7	27.6	24.0
1998	49.2	60.5	41.8	52.6	63.7	45.4	28.1	36.4	22.3	39.7	60.3	26.0	15.2	27.0	6.0	23.0	24.7	21.6
1999	50.1	59.8	43.8	53.6	63.0	47.6	23.1	33.5	16.4	44.9	76.8	26.4	19.2	15.2	22.1	15.5	23.4	9.7
2000	47.4	56.2	41.3	51.1	59.8	44.8	24.4	38.2	15.9	30.4	38.4	26.3	21.9	28.9	17.9	12.7	7.8	16.5
2001	46.9	53.9	42.2	51.0	58.1	46.2	17.7	25.4	12.5	37.9	48.9	32.2	26.8	30.0	24.3	21.4	19.2	23.0
2002	47.0	57.1	40.3	50.4	59.4	44.5	25.2	46.6	11.2	38.3	59.0	21.9	22.3	30.1	17.0	24.5	45.8	9.0
2003	45.4	53.8	40.0	48.3	56.5	42.9	28.7	39.9	22.1	30.3	39.7	23.1	19.4	20.8	18.4	15.5	34.4	2.1
2004	41.9	48.1	37.7	45.1	51.3	41.0	22.7	29.5	17.8	24.9	38.8	14.8	10.8	4.7	15.1	21.6	27.1	14.2
2005	46.8	51.3	43.5	49.6	53.6	46.7	31.6	42.7	24.0	43.9	49.4	37.9	12.0	12.9	11.4	17.9	22.6	13.8
2006	44.3	50.2	40.1	49.2	55.5	44.7	18.3	20.9	16.2	27.3	28.8	25.6	8.4	6.2	10.4	9.9	26.2	0.0
2007	39.2	43.5	36.0	43.7	47.9	40.7	18.8	26.4	13.4	18.7	10.1	26.7	13.0	20.1	8.4	7.5	19.9	6.1
2008	42.2	46.6	39.0	46.9	51.0	43.8	20.5	24.3	18.0	26.0	33.9	19.1	15.8	23.9	9.5	13.7	22.4	8.5
2009	40.5	44.7	37.1	45.0	48.7	42.1	16.4	20.2	13.4	26.8	34.1	20.8	19.2	29.5	12.3	18.0	33.4	8.1
2010	42.6	48.1	38.6	47.1	52.2	43.4	18.6	25.4	14.3	27.4	32.2	23.8	21.7	24.1	20.0	12.0	29.5	1.7
2011	45.9	49.7	42.8	55.3	53.3	48.5	19.5	26.5	14.7	34.8	48.5	24.7	14.4	14.7	14.4	17.2	26.4	11.9
2012	44.2	50.5	39.5	49.4	55.5	44.8	20.3	27.1	16.1	35.0	43.4	30.9	18.0	27.4	12.1	14.7	14.3	14.2
2013	44.5	48.1	41.8	49.3	52.5	47.0	20.9	24.6	18.2	46.7	56.4	37.5	15.5	11.7	18.4	19.4	32.0	12.4
2014	41.1	45.8	37.5	45.9	49.7	43.0	21.1	28.7	15.9	34.0	47.4	26.1	12.4	13.7	11.7	17.3	33.8	7.6
Chronic liver disease and cirrhosis																		
1980	17.0	21.7	13.0	12.8	16.4	9.7	23.5	31.1	16.6	16.8	13.2	20.7	90.3	113.8	69.3	0.0	0.0	0.0
1990	12.4	17.3	8.3	10.3	14.1	7.1	15.4	23.2	8.4	17.4	25.3	9.0	48.6	60.2	38.1	10.8	16.4	7.1
1991	13.6	18.3	9.4	10.6	14.3	7.3	18.4	27.1	10.1	10.0	15.5	3.7	64.0	74.5	55.3	0.0	0.0	0.0
1992	12.2	16.5	8.5	9.8	13.2	7.1	15.2	22.7	7.9	13.0	17.3	7.7	52.5	61.2	44.7	12.7	23.4	3.6
1993	13.5	18.5	9.0	10.8	14.6	7.4	22.1	34.4	10.7	11.0	13.7	6.2	48.0	54.6	41.4	0.0	0.0	0.0
1994	13.9	19.1	9.0	11.1	15.0	7.6	21.3	33.4	10.2	5.8	10.4	1.1	50.3	60.5	40.8	5.8	6.8	5.1
1995	13.5	18.1	9.3	10.5	14.2	7.1	21.0	29.9	12.8	17.1	23.2	10.5	54.9	63.0	47.4	10.4	2.4	16.4
1996	12.4	16.3	8.9	10.3	14.5	6.4	18.0	20.2	15.3	9.7	13.2	6.9	46.7	44.4	47.7	1.9	4.7	0.0
1997	13.4	18.6	8.7	11.2	16.0	6.8	20.4	29.8	12.2	9.8	9.6	10.3	46.3	54.9	39.1	2.8	0.0	4.7
1998	12.4	17.7	7.6	10.2	14.4	6.5	16.5	25.9	8.0	7.9	7.7	7.4	53.5	75.4	34.5	2.6	6.3	0.0
1999	12.0	16.8	7.5	9.7	13.9	6.0	21.7	31.3	13.0	7.5	12.7	1.8	38.5	46.2	31.7	3.8	5.6	2.5
2000	12.8	17.7	8.3	10.4	14.9	6.4	15.8	20.5	11.0	6.6	7.1	5.9	61.7	80.2	45.3	4.1	6.9	2.2
2001	12.3	17.7	7.5	10.6	15.0	6.6	17.4	27.0	8.7	11.7	24.1	2.0	39.1	51.1	28.4	4.0	3.8	4.2
2002	12.1	15.6	8.9	9.9	11.9	8.0	21.6	31.9	12.3	9.8	14.6	5.5	40.5	55.6	27.5	5.3	2.9	7.0
2003	11.5	16.2	7.1	9.7	13.8	5.8	17.6	25.1	10.6	3.5	6.3	1.0	38.8	49.6	29.8	3.3	0.0	5.8
2004	11.1	15.6	6.9	8.4	11.7	5.4	18.6	26.6	10.6	6.7	7.3	6.5	51.0	68.9	36.1	3.8	7.0	2.4
2005	12.7	17.7	8.1	10.7	15.1	6.6	19.4	28.6	11.4	12.8	14.7	10.7	51.2	60.3	42.8	4.9	10.4	0.0
2006	11.4	14.3	8.5	9.6	11.8	7.6	15.5	19.9	11.1	7.2	11.6	4.2	43.6	54.3	32.7	3.1	3.8	2.5
2007	11.3	15.4	7.6	9.6	13.0	6.6	16.3	23.5	9.4	5.9	9.9	2.3	36.8	46.9	28.3	3.2	5.5	4.2
2008	11.7	15.3	8.4	10.0	13.2	7.1	15.4	19.9	11.2	7.5	9.2	5.6	40.7	52.8	30.5	1.8	2.6	1.1
2009	12.2	15.4	9.1	9.5	12.8	6.4	18.7	21.4	15.7	3.1	3.4	2.7	54.0	57.9	49.9	3.1	6.4	1.1
2010	12.3	16.1	8.8	9.7	13.6	6.1	15.5	20.9	10.3	8.0	9.5	7.0	64.6	63.9	64.9	0.5	1.2	0.0
2011	13.4	18.0	9.2	12.0	14.7	8.1	18.9	29.2	9.8	6.6	5.5	7.6	43.6	46.7	40.4	4.2	9.0	0.9
2012	13.6	18.7	9.0	11.4	15.9	7.2	16.9	25.7	9.2	10.9	14.8	8.5	59.2	63.3	55.5	2.6	6.1	0.0
2013	14.5	18.2	11.1	12.6	15.5	10.0	16.7	23.0	10.8	6.8	9.9	3.9	62.0	70.1	55.0	3.9	4.3	3.4
2014	13.2	16.5	10.1	10.9	14.1	7.9	18.0	22.4	13.6	8.3	10.7	5.5	52.7	48.0	55.5	3.8	4.0	3.6
Diabetes																		
1980	16.0	14.4	16.9	12.8	13.0	12.6	28.3	16.3	37.4	44.5	6.3	73.7	74.6	58.4	89.1	22.4	16.7	27.9
1990	15.6	16.9	14.2	12.0	13.2	10.8	31.5	32.2	30.0	26.0	20.2	29.0	77.4	86.1	70.2	5.5	7.2	4.4
1991	16.4	18.8	14.7	13.5	16.4	11.3	31.3	32.1	30.5	37.0	27.3	44.4	60.4	55.3	64.5	20.8	48.1	13.9
1992	17.6	18.9	16.4	13.4	14.7	12.3	41.5	46.4	37.6	34.5	26.4	41.3	74.1	77.2	71.6	2.2	5.8	0.0
1993	16.6	16.5	16.5	13.3	13.5	12.9	33.3	28.7	36.5	40.5	55.1	30.0	61.4	60.7	61.5	21.4	6.3	34.4
1994	18.7	19.5	17.7	14.9	16.5	13.5	35.2	31.6	38.1	36.1	32.3	35.3	79.3	73.7	82.6	9.3	4.2	13.5
1995	18.8	19.4	18.4	15.0	16.0	14.2	38.8	39.4	38.3	50.0	38.3	56.6	65.2	52.2	74.8	11.0	21.8	2.7
1996	20.1	21.6	19.1	15.8	18.4	13.9	38.6	39.8	38.6	60.6	48.6	72.2	68.3	58.7	75.8	9.4	3.7	13.6
1997	20.4	21.5	19.4	15.3	17.0	13.9	46.7	48.4	45.5	45.3	31.5	53.1	80.2	69.0	88.9	30.4	39.7	24.5
1998	20.8	24.2	18.1	16.4	20.5	13.2	45.3	45.4	45.0	34.1	20.3	41.4	78.4	79.4	76.6	13.5	13.3	12.9
1999	21.1	25.0	18.3	15.9	20.7	12.4	48.2	48.7	46.9	44.4	43.4	47.0	88.3	70.5	101.9	12.3	15.3	10.1
2000	19.0	21.0	17.2	14.9	17.4	12.6	41.1	41.9	40.6	46.0	40.9	47.4	74.6	74.1	74.2	19.5	10.9	26.1
2001	19.9	22.9	17.5	15.4	19.2	12.2	42.9	43.5	42.3	55.7	42.2	64.1	72.8	71.2	73.9	14.8	3.0	23.3
2002	22.3	25.6	19.7	18.0	21.8	15.1	45.6	49.1	42.6	41.0	46.4	37.2	80.8	69.2	88.6	21.9	15.7	26.3
2003	20.3	23.6	17.5	16.5	20.6	13.1	39.1	35.9	40.9	53.6	55.0	49.8	55.8	48.2	60.3	15.7	22.2	11.6
2004	20.7	23.4	18.4	16.8	19.7	14.4	43.5	44.2	42.0	44.8	47.7	42.6	59.0	58.4	58.8	30.0	29.1	31.6
2005	20.1	24.7	16.7	15.5	20.2	12.1	46.0	49.9	42.4	55.2	56.2	54.0	69.9	73.5	68.2	17.8	17.7	18.0
2006	18.9	22.5	15.9	15.2	18.4	12.5	40.4	46.1	35.3	43.9	49.7	42.3	43.9	49.3	39.5	10.9	9.7	11.4
2007	17.0	20.5	13.9	13.7	17.4	10.4	30.8	32.6	28.9	30.3	32.0	30.0	51.1	61.1	42.1	5.1	12.8	4.4
2008	17.0	20.7	13.9	13.8	17.9	10.5	29.1	29.7	27.7	30.8	35.4	29.2	50.8	47.9	52.5	16.1	22.9	12.3
2009	15.7	18.2	13.5	12.2	15.5	9.4	28.1	29.2	27.2	31.1	28.6	34.9	54.2	46.6	59.9	16.2	18.5	14.4
2010	20.1	24.9	16.0	15.2	20.1	11.0	37.3	45.0	31.4	50.0	56.8	45.5	79.3	80.6	76.9	11.7	9.3	13.1
2011	24.8	30.3	20.2	21.6	25.1	15.7	41.7	48.4	35.9	57.8	71.9	44.4	61.3	50.7	68.8	23.3	32.4	17.4
2012	23.5	29.2	18.6	18.3	23.9	13.5	40.8	47.4	35.4	49.4	59.0	40.6	80.2	94.1	69.7	27.6	27.8	26.6
2013	23.6	29.1	18.8	18.6	24.0	14.0	40.7	45.8	36.3	60.2	68.0	55.8	65.7	79.7	55.0	17.9	18.5	17.9
2014	23.0	28.9	17.8	18.8	24.6	13.6	39.1	46.8	32.6	39.7	41.8	37.1	63.2	74.7	54.5	18.3	30.1	10.9

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2014

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Accidents (unintentional injuries)																		
1980	57.9	86.0	31.8	52.2	75.8	30.1	58.8	91.3	28.6	51.5	72.2	29.6	186.1	313.2	71.2	45.5	72.0	20.9
1990	42.6	61.4	24.5	37.7	53.4	22.4	39.4	60.8	19.2	48.1	65.4	34.4	139.4	225.5	62.4	29.6	43.0	16.6
1991	38.5	53.5	24.3	32.5	44.2	21.3	48.4	69.6	29.3	36.1	53.4	20.2	123.3	204.1	52.9	19.1	22.1	16.4
1992	40.6	59.7	23.1	34.6	49.7	20.9	40.9	63.9	19.3	37.6	59.9	14.0	146.3	229.5	71.8	37.9	32.2	42.8
1993	42.6	61.8	24.4	36.5	52.0	21.9	46.8	75.7	20.5	41.3	52.9	29.3	143.4	234.9	64.9	26.4	7.7	40.3
1994	44.9	64.6	26.2	39.8	55.4	25.1	46.7	70.5	23.0	46.4	73.5	19.8	131.5	200.2	69.5	30.6	33.4	29.1
1995	45.1	64.4	26.2	41.3	56.8	26.2	44.1	66.0	22.7	52.9	80.9	28.4	113.2	181.8	50.2	20.6	32.3	10.5
1996	46.1	66.4	26.8	39.4	56.8	23.1	45.8	69.4	22.9	44.0	61.6	27.2	150.5	219.6	88.9	24.5	16.1	31.6
1997	44.9	63.8	26.5	39.9	56.5	24.0	43.7	64.8	23.7	50.3	63.5	36.9	146.4	219.1	80.1	14.9	14.8	13.6
1998	45.2	62.8	27.7	40.6	56.2	25.3	42.5	62.0	22.8	48.1	74.1	25.8	126.8	171.5	85.5	23.3	35.8	13.0
1999	44.4	62.5	27.0	38.0	52.8	23.9	46.8	68.6	24.9	39.7	52.6	24.5	127.0	181.0	77.7	27.2	42.2	15.3
2000	41.1	58.0	24.9	36.9	51.5	23.3	41.6	60.8	22.5	49.7	75.8	22.7	113.1	165.2	67.4	24.1	24.4	21.4
2001	46.6	66.5	27.7	42.5	59.5	26.8	45.6	63.9	25.9	52.6	83.2	22.4	112.7	177.5	53.9	29.9	41.3	46.6
2002	45.2	62.8	28.8	41.5	56.8	27.8	45.5	64.6	26.2	44.0	58.5	28.5	111.0	168.4	60.4	15.5	13.8	15.6
2003	44.8	61.6	28.8	40.9	55.2	27.6	44.7	63.3	26.3	52.4	69.8	35.0	108.6	153.5	66.3	25.3	35.2	17.8
2004	46.0	61.1	31.7	43.3	56.8	30.7	48.9	66.1	31.8	45.9	66.9	26.0	103.9	137.5	73.7	21.2	21.7	30.0
2005	51.1	68.7	34.4	46.2	62.4	31.4	54.8	71.5	37.2	64.3	80.3	46.9	117.8	174.1	67.4	34.2	41.2	28.1
2006	51.2	68.5	34.3	48.7	64.5	33.5	52.4	72.9	32.2	54.8	73.0	34.5	97.2	139.8	58.6	19.8	17.0	20.8
2007	46.6	60.6	32.3	44.9	57.7	32.2	40.6	53.5	27.5	48.1	62.8	29.6	95.0	143.9	50.3	20.3	72.6	20.3
2008	44.7	59.0	30.6	45.4	59.8	31.4	34.2	46.9	22.0	43.1	50.6	33.8	92.6	142.6	47.9	23.7	31.1	17.9
2009	43.1	56.6	29.8	43.3	56.6	30.4	35.3	48.2	23.3	36.5	42.1	30.0	92.6	144.4	46.4	24.5	27.6	21.1
2010	43.8	56.6	31.6	45.5	58.0	33.3	33.7	45.3	22.8	36.0	42.3	30.7	99.2	148.9	55.4	24.6	24.9	23.9
2011	45.5	58.3	32.6	46.9	57.3	33.9	38.9	51.9	26.4	41.6	50.3	34.4	100.6	146.7	58.0	19.7	28.4	14.0
2012	42.4	54.0	31.0	43.3	54.0	32.7	33.9	45.4	22.8	38.2	50.3	25.2	94.8	136.9	56.5	21.0	20.0	20.3
2013	46.3	60.1	32.8	47.9	61.2	34.7	38.5	51.4	26.3	43.3	68.7	23.5	104.5	150.5	62.9	13.4	12.7	13.2
2014	43.3	56.7	30.1	43.7	57.7	29.9	35.9	47.3	24.9	37.6	44.1	32.2	85.4	128.2	47.4	18.3	15.5	19.3
-----Motor vehicle accidents																		
1980	31.9	47.1	17.4	28.2	41.2	15.7	34.6	49.8	19.8	23.3	31.7	13.7	103.6	162.5	50.4	27.6	32.4	20.9
1990	23.6	33.1	14.3	20.1	27.9	12.6	21.1	31.7	10.9	27.4	34.7	20.9	82.2	130.6	38.8	18.2	26.3	11.7
1991	20.6	27.8	13.4	16.2	22.3	10.1	27.9	36.2	20.2	9.4	13.9	4.0	73.8	112.7	38.5	6.1	0.0	10.8
1992	20.3	29.1	12.2	16.8	24.4	10.0	21.9	31.4	12.9	16.0	26.0	5.5	74.9	104.8	47.3	21.3	9.3	31.2
1993	20.1	27.8	12.6	15.8	21.7	10.1	22.3	35.2	10.0	15.0	19.2	9.2	80.4	115.8	49.3	15.8	5.8	22.7
1994	21.1	30.0	12.5	18.1	25.0	11.7	21.4	31.3	11.1	15.4	25.7	5.2	69.4	102.8	39.0	10.1	17.7	4.4
1995	23.1	32.0	14.4	19.9	25.8	14.2	21.8	30.5	12.4	28.1	41.1	16.5	69.0	114.1	27.7	15.4	23.1	8.2
1996	22.9	32.1	13.9	17.8	25.3	10.7	23.3	34.1	12.7	13.2	14.5	10.2	94.1	129.3	61.6	16.3	14.8	17.9
1997	20.5	28.2	12.7	16.9	23.6	10.3	20.9	29.0	12.9	23.9	36.7	13.7	79.4	109.8	50.6	7.9	8.3	6.7
1998	20.4	27.3	13.6	16.9	23.1	10.9	19.0	25.8	12.1	23.0	30.6	16.4	75.9	93.3	58.8	14.6	26.3	5.6
1999	19.6	27.5	11.8	14.6	20.4	9.2	24.4	34.9	13.8	16.3	23.8	8.2	68.4	100.4	39.1	15.3	20.7	11.1
2000	17.5	24.4	10.6	13.8	18.5	9.2	18.2	28.5	7.5	19.3	33.1	6.8	74.2	106.4	46.3	15.3	11.6	12.8
2001	17.2	24.2	10.1	13.5	18.5	8.5	18.2	26.3	9.4	19.1	28.8	7.2	63.2	88.8	38.3	8.6	7.7	9.9
2002	18.5	25.5	11.6	14.7	20.3	9.3	21.1	27.4	14.0	11.9	15.9	7.5	65.9	100.2	35.3	10.1	8.2	11.1
2003	18.0	24.9	11.2	14.6	20.3	9.0	21.3	29.1	13.6	15.2	23.3	8.1	59.0	78.0	40.4	11.8	14.1	9.9
2004	18.1	23.9	12.5	15.3	20.3	10.6	23.2	30.0	16.0	14.8	18.2	10.8	54.1	63.9	44.1	11.3	13.7	13.9
2005	18.9	27.0	11.1	15.0	21.9	8.4	22.7	33.1	12.6	24.9	31.4	17.8	62.6	91.3	36.4	10.2	14.5	6.3
2006	19.6	26.8	12.4	16.6	22.8	10.7	21.9	29.9	13.3	15.3	22.9	7.7	56.9	76.5	38.5	5.9	5.3	6.1
2007	16.2	22.2	10.1	13.1	18.3	8.0	17.6	22.6	12.2	13.6	18.2	7.6	49.0	72.8	27.2	9.9	37.6	10.6
2008	13.6	19.5	7.9	12.0	17.7	6.5	13.1	18.5	7.7	11.5	16.8	5.6	41.9	55.0	29.3	4.4	6.9	2.0
2009	11.6	16.8	6.5	10.1	15.2	5.1	10.6	14.4	6.7	12.4	14.2	10.3	36.9	51.0	23.3	6.5	11.2	3.0
2010	11.1	15.9	6.4	9.2	13.6	4.8	11.1	15.6	6.9	10.8	14.2	7.2	41.7	60.2	24.0	5.5	4.3	6.3
2011	12.1	17.6	6.9	10.4	14.5	5.6	11.7	17.6	6.2	11.7	16.6	7.5	44.2	66.8	23.7	6.8	6.3	7.3
2012	11.4	16.8	6.3	10.0	14.8	5.3	10.6	16.3	5.4	10.1	15.2	5.1	37.8	53.1	22.8	4.9	5.4	4.5
2013	11.4	16.3	6.6	10.2	15.1	5.3	11.4	15.5	7.3	12.0	18.1	4.8	31.7	40.3	23.5	5.8	8.6	3.8
2014	10.3	14.5	6.0	8.3	12.5	4.1	10.3	14.2	6.5	7.9	11.1	4.4	35.6	49.2	23.1	2.5	2.8	2.2
Assault (homicide)																		
1980	10.4	15.0	5.8	7.3	9.4	5.3	15.9	25.2	6.2	48.3	71.3	21.4	25.3	40.6	11.6	2.8	6.7	0.0
1990	8.1	12.2	4.0	5.7	7.8	3.6	10.4	18.6	2.2	31.3	48.1	12.1	17.7	27.8	8.7	4.8	4.1	6.0
1991	8.6	12.7	4.5	5.4	7.5	3.2	13.0	20.0	5.8	22.3	38.3	4.3	24.2	34.7	14.3	24.8	32.9	19.1
1992	8.8	13.2	4.2	5.7	7.2	4.1	13.9	23.7	3.5	22.5	33.7	9.4	15.6	26.8	4.5	5.9	10.7	2.5
1993	9.2	13.5	4.9	5.9	7.7	4.1	15.1	24.8	5.3	30.8	50.4	10.6	16.5	25.8	7.4	3.7	2.0	4.7
1994	10.9	17.2	4.5	6.3	9.1	3.4	16.4	27.9	4.6	55.2	83.6	23.0	19.2	32.3	7.0	1.8	3.5	0.0
1995	11.6	18.0	5.0	7.3	10.2	4.3	17.5	28.6	5.3	36.0	54.8	13.6	19.6	33.3	6.7	1.7	3.3	0.0
1996	9.9	15.6	3.9	5.1	7.0	3.1	17.7	30.1	4.2	30.5	49.4	12.0	25.4	41.5	10.2	0.0	0.0	0.0
1997	9.2	14.3	3.8	5.0	6.9	3.2	16.2	29.1	3.1	23.4	39.7	4.2	17.4	23.8	11.3	5.4	5.1	5.9
1998	9.0	13.7	4.0	5.5	7.5	3.5	13.2	21.1	4.6	25.1	40.0	7.7	18.9	32.4	6.3	3.3	4.7	1.7
1999	8.5	12.1	4.7	4.4	5.4	3.5	14.0	22.9	4.3	23.2	31.9	14.2	19.9	26.9	13.6	4.2	3.3	5.1
2000	7.6	11.1	3.8	3.9	5.4	2.3	13.0	19.2	6.1	22.7	32.3	11.0	14.9	22.1	7.5	7.6	5.1	9.7
2001	8.7	13.7	3.6	4.3	6.1	2.6	15.5	24.8	5.0	22.2	35.7	6.8	17.2	24.8	10.0	4.9	9.7	1.2
2002	8.6	13.9	3.0	4.4	6.8	2.0	15.1	25.8	3.4	21.3	32.5	7.1	20.3	29.0	11.8	3.3	0.0	5.8
2003	8.3	12.8	3.6	3.7	5.1	2.2	14.7	23.7	4.8	24.9	38.7	9.0	18.8	31.5	6.9	5.4	2.5	5.8
2004	8.2	13.3	2.9	4.8	7.0	2.6	13.6	23.2	3.0	22.3	35.5	7.4	14.7	25.9	4.5	1.4	2.3	0.0
2005	8.2	13.5	2.6	3.5	5.6	1.3	14.6	24.2	3.9	27.4	45.7	7.5	14.0	22.4	5.8	5.1	8.0	2.5
2006	8.5	13.5	3.1	4.6	6.8	2.4	13.0	21.6	3.3	19.6	30.5	7.5	13.2	23.7	3.2	2.4	1.5	3.5
2007	7.7	11.8	3.2	3.9	5.5	2.2	12.0	19.5	3.7	23.4	32.3	12.7	13.1	21.7	4.8	2.6	16.0	1.6
2008	7.1	11.2	2.7	3.7	5.6	1.7	10.6	16.9	3.7	20.7	32.7	6.4	12.8	20.6	5.2	3.2	4.3	2.1
2009	5.5	8.0	2.9	3.2	4.9	1.5	8.1	12.1	4.0	14.2	18.5	9.1	13.2	18.0	8.5	0.9	0.0	1.5
2010	6.5	10.5	2.4	3.8	5.5	2.2	8.0	13.5	2.3	15.4	25.6	3.4	18.0	31.4	5.0	4.1	4.2	4.0
2011	6.1	9.6	2.6	3.5	5.1	1.8	7.9	14.0	2.0	16.5	23.8	7.9	11.9	18.9	4.8	3.9	5.5	2.7
2012	5.9	8.6	3.1	4.3	6.0	2.4	6.1	9.7	2.5	14.5	20.2	8.2	17.3	26.3	8.8	2.0	3.0	0.9
2013	5.9	9.2	2.5	4.0	6.2	1.7	5.8	9.0	2.4	15.4	25.4	3.6	17.7	29.6	6.2	1.9	2.1	1.7
2014	4.6	7.1	2.1	3.0	4.2	1.8	6.0	9.8	2.1	11.1	17.5	4.0	7.3	12.0	2.6	0.4	0.8	0.0

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2014

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Intentional self-harm (suicide)																		
1980	17.5	27.9	8.1	18.5	28.7	9.3	11.3	21.1	2.0	10.9	16.8	4.5	18.6	33.1	5.6	8.7	19.6	0.0
1990	19.0	32.6	6.5	20.9	36.1	7.2	9.4	16.6	2.8	12.5	17.2	7.7	20.1	39.1	2.6	7.9	4.6	10.1
1991	18.0	30.8	6.4	19.1	32.8	6.7	12.1	20.3	4.6	17.8	23.6	12.3	18.9	35.1	4.0	2.5	5.5	0.0
1992	17.3	29.0	6.5	18.8	31.1	7.5	10.4	19.2	2.6	10.3	17.8	2.4	19.6	34.7	5.6	4.8	10.5	0.0
1993	18.9	32.2	6.9	21.2	35.7	8.2	8.8	14.9	2.4	8.0	12.4	3.0	21.7	39.1	5.5	5.2	7.7	3.2
1994	19.4	32.2	7.4	21.2	34.9	8.3	11.1	19.6	2.2	8.7	13.9	2.9	20.8	33.0	8.8	16.7	18.9	15.4
1995	19.5	31.1	8.6	22.2	35.1	10.2	9.7	15.8	3.4	14.4	24.6	5.8	16.3	30.0	3.5	4.1	5.0	4.0
1996	16.9	28.4	6.2	19.1	31.8	7.5	9.0	16.2	1.8	7.3	11.7	2.2	15.9	25.6	6.8	4.7	9.9	0.0
1997	17.2	28.7	6.3	19.4	31.8	7.7	8.8	16.3	1.3	12.3	21.5	3.5	18.7	30.5	7.4	11.0	18.2	5.7
1998	17.5	28.7	7.1	20.1	32.2	8.9	9.5	18.4	0.8	6.5	8.7	3.9	16.1	28.1	5.0	6.8	9.1	3.9
1999	15.7	25.5	6.5	16.7	27.1	7.0	10.5	17.8	3.7	12.8	26.1	0.0	16.6	27.6	6.4	6.4	10.3	3.4
2000	14.6	24.7	5.2	16.7	27.6	6.8	7.2	12.7	1.4	6.5	12.2	0.0	16.2	29.7	3.7	5.7	12.3	0.0
2001	14.9	24.6	5.6	12.8	21.0	5.1	5.9	9.9	1.6	9.2	15.2	2.4	15.4	26.4	5.2	9.4	15.4	4.7
2002	15.9	26.4	6.0	18.3	30.0	7.4	8.3	14.2	2.5	6.2	11.4	0.0	17.9	31.7	4.9	4.1	9.1	0.0
2003	14.6	24.0	5.8	16.4	27.1	6.4	8.2	11.8	4.2	11.3	16.6	4.8	15.2	27.4	3.6	6.0	7.0	5.9
2004	14.9	24.1	6.3	16.6	26.4	7.5	9.8	17.5	2.2	12.1	17.3	5.1	17.0	28.5	6.5	4.0	7.0	2.7
2005	15.4	24.9	6.5	16.6	26.7	7.3	10.5	17.8	3.0	3.3	4.7	1.8	17.5	28.7	6.8	11.7	8.9	14.1
2006	15.4	24.7	6.6	17.8	27.9	8.5	8.2	14.2	2.0	8.3	13.9	2.3	13.7	23.4	4.5	8.4	13.2	4.3
2007	15.4	24.4	6.7	18.7	29.4	8.3	9.2	14.7	3.6	6.2	10.1	1.7	9.8	16.3	3.6	6.1	49.2	2.4
2008	14.8	23.0	7.0	17.6	27.3	8.5	6.5	10.8	1.9	7.5	10.3	4.2	13.5	21.2	5.9	9.9	10.7	8.8
2009	16.1	24.6	8.1	18.4	28.0	9.5	9.0	14.0	3.9	10.5	12.7	7.7	15.9	22.9	9.3	9.9	19.9	2.3
2010	16.7	27.1	6.7	20.6	32.8	8.7	7.4	12.5	2.6	6.4	9.9	2.2	18.7	32.3	5.7	6.8	11.0	3.2
2011	17.2	27.4	7.5	22.0	33.1	10.1	8.1	14.8	1.8	9.1	13.7	4.3	14.9	24.0	5.8	5.3	6.9	3.5
2012	16.2	25.9	7.0	20.2	32.2	8.7	6.8	11.1	2.9	10.0	15.5	4.0	17.9	27.9	8.1	5.7	10.2	1.8
2013	17.0	26.6	7.7	20.8	32.4	9.6	8.4	12.8	4.2	6.7	9.7	3.1	21.9	36.1	8.1	7.0	14.5	1.1
2014	16.5	25.6	7.7	21.0	31.9	10.4	8.3	13.4	3.4	9.0	13.6	4.2	13.9	24.3	3.7	7.0	12.0	2.7

Notes: [a] Adjusted to the 2000 standard U.S. population; [b] Chronic obstructive pulmonary diseases in 1980 and 1990; beginning in 2000, when the new standard for the age-adjustment of mortality rates was implemented, all previously published rates for 1979-1999 became obsolete. With the 2008 edition of this report we have added the recomputed age-adjusted mortality rates for 1991-1999. In order to compute these rates, we have used the population denominators consistent with both the 1990 and 2000 census. The mortality rates for 1989-1999 in Table 2B-2 also were revised for consistency; The denominators are available at:

http://www.azdhs.gov/plan/

TABLE 2B-4
NUMBER OF DEATHS AND AGE-ADJUSTED MORTALITY RATES[a] FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 2014

	NUMBER OF DEATHS																	
	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Total, all causes	51,074	27,037	24,034	40,391	21,207	19,181	6,444	3,543	2,901	1,578	852	726	2,074	1,152	922	582	280	302
Major cardiovascular diseases	13,139	7,028	6,111	10,851	5,762	5,089	1,396	772	624	420	234	186	323	186	137	149	74	75
Diseases of heart	9,953	5,575	4,378	8,323	4,618	3,705	1,019	593	426	284	164	120	236	150	86	91	50	41
Coronary heart disease	7,641	4,448	3,193	6,388	3,679	2,709	781	473	308	219	132	87	176	119	57	77	45	32
Malignant neoplasms	10,600	5,731	4,869	8,660	4,722	3,938	1,259	679	580	309	146	163	224	122	102	148	62	86
Malignant neoplasm of trachea, bronchus and lung	2,543	1,385	1,158	2,214	1,198	1,016	197	118	79	66	38	28	25	13	12	41	18	23
Malignant neoplasm of colon, rectum, and anus	953	510	443	784	410	374	108	67	41	32	16	16	17	11	6	12	6	6
Malignant neoplasm of breast	730†	10†	723	570†	*	566	101	0	101	40†	*	36	12	0	12	10†	*	8
Malignant neoplasm of prostate	572	572	NA	474	474	NA	58	58	NA	16	16	NA	18	18	NA	6	6	NA
Malignant melanoma of skin	220†	147	70†	199	139	60	14	8	6	0†	0	*	0	0	0	0†	0	*
Malignant neoplasm of cervix uteri	80†	NA	80†	52	NA	52	16	NA	16	10†	NA	*	0	NA	0	0†	NA	*
Chronic lower respiratory diseases	3,185	1,584	1,601	2,890	1,416	1,474	178	101	77	65	36	29	28	13	15	24	18	6
Accident (unintentional injury)	3,011	1,875	1,136	2,072	1,250	822	513	343	170	105	61	44	289	207	82	32	14	18
Accidental poisoning	980†	630†	350†	689	434	255	156	111	45	45	23	22	82	63	19	10†	*	*
Falls	880†	440†	441	738	366	372	96	51	45	10†	*	7	20	13	7	20†	*	10
Motor vehicle accidents	700†	490†	210†	358	257	101	181	125	56	25	18	7	131	88	43	10†	*	*
Accidental drowning and submersion	80†	60†	20†	47	38	9	20†	11	*	10†	*	*	10†	7	*	0†	*	0
Alzheimer's disease	2,350†	810†	1,538	1,993	695	1,298	253	81	172	49	19	30	37	11	26	10†	*	12
Cerebrovascular diseases	1,995	832	1,163	1,586	650	936	240	106	134	76	36	40	51	21	30	42	19	23
Diabetes	1,776	1,029	747	1,124	674	450	390	215	175	82	42	40	153	81	72	27	17	10
Intentional self-harm (suicide)	1,120†	857	270†	883	663	220	138	110	28	31	24	7	53	45	8	20†	15	*
Chronic liver disease and cirrhosis	980†	590†	390†	575	361	214	217	137	80	22	15	7	162	73	89	10†	*	*
Essential (primary) hypertension and hypertensive renal disease	760†	360†	395	576	280	296	93	44	49	46	25	21	31	12	19	10†	*	10
Influenza and pneumonia	670†	350†	320†	510	258	252	94	53	41	10†	6	*	48	25	23	10†	*	*
Parkinson's disease	570†	340†	230†	485	295	190	55	30	25	10†	*	*	18	11	7	10†	*	*
Nephritis, nephrotic syndrome and nephrosis	350†	170†	180†	260	131	129	59	28	31	10†	*	6	20	10	10	10†	*	*
Septicemia	340†	170†	170†	242	121	121	58	33	25	10†	6	*	22	7	15	10†	*	*
Assault (homicide)	290†	230†	70†	109	77	32	114	92	22	40	32	8	30†	25	*	0†	*	0
Human immunodeficiency virus (HIV) disease	100†	90†	20†	60†	55	*	20†	19	*	10†	10	*	10†	*	*	0†	*	0
Injury by firearms	850†	708	150†	619	507	112	153	129	24	49	43	6	30†	23	*	10†	6	0
Drug-induced deaths	1,210†	720†	491	929	543	386	180	124	56	51	26	25	45	28	17	10†	*	7
Alcohol-induced deaths	1,070†	740†	329	634	434	200	184	149	35	24	16	8	220	134	86	0†	*	0

TABLE 2B-4 (continued)
NUMBER OF DEATHS AND AGE-ADJUSTED MORTALITY RATES[a] FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 2014

	AGE-ADJUSTED MORTALITY RATES[a]																	
	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Total, all causes	676.0	791.2	572.8	685.7	802.3	579.5	636.9	752.5	538.1	739.9	850.5	646.5	818.5	971.5	684.9	371.8	416.1	337.6
Major cardiovascular diseases	171.6	206.9	140.7	174.9	210.4	143.0	156.2	191.6	127.3	212.3	256.3	176.8	147.7	196.6	111.3	100.8	112.7	90.4
Diseases of heart	129.9	164.1	100.5	134.4	168.9	104.1	114.0	147.8	87.0	140.9	175.3	113.3	107.5	159.3	70.3	60.3	73.8	49.9
Coronary heart disease	99.3	130.2	73.0	102.7	133.6	75.8	88.1	119.1	63.6	109.9	142.9	82.9	79.6	125.5	46.3	50.4	65.5	39.0
Malignant neoplasms	136.3	160.8	116.8	141.8	166.5	121.8	124.9	153.6	103.4	145.0	154.7	140.9	97.1	124.6	77.3	83.2	82.1	83.5
Malignant neoplasm of trachea, bronchus and lung	32.2	38.1	27.3	35.3	41.0	30.5	21.6	30.4	15.2	29.5	37.5	22.7	10.2	12.0	8.7	26.7	27.8	25.4
Malignant neoplasm of colon, rectum, and anus	12.4	14.6	10.5	13.2	15.0	11.5	10.8	15.1	7.4	15.8	18.4	14.3	7.0	9.5	4.7	7.2	8.3	6.3
Malignant neoplasm of breast	9.6	0.2	17.9	9.9	**	18.5	9.0	0.0	16.5	15.5	**	29.4	5.1	0.0	9.2	4.0	**	6.3
Malignant neoplasm of prostate	7.4	17.0	0.0	7.5	17.0	0.0	6.6	15.5	0.0	9.5	24.0	0.0	9.3	23.0	0.0	3.0	7.4	0.0
Malignant melanoma of skin	2.8	4.1	1.7	3.4	5.0	2.1	1.2	1.2	1.0	**	0.0	**	0.0	0.0	0.0	**	0.0	**
Malignant neoplasm of cervix uteri	1.1	0.0	2.0	1.0	0.0	2.0	1.1	0.0	2.2	**	0.0	**	0.0	0.0	0.0	**	0.0	**
Chronic lower respiratory diseases	41.1	45.8	37.5	45.9	49.7	43.0	21.1	28.7	**	34.0	**	**	12.4	13.7	**	**	**	0.0
Accident (unintentional injury)	43.3	56.7	30.1	43.7	57.7	29.9	35.9	47.3	24.9	37.6	44.1	32.2	85.4	128.2	47.4	18.3	15.5	19.3
Accidental poisoning	15.0	19.6	10.3	0.0	23.0	12.1	9.1	12.7	5.4	14.7	14.2	15.3	24.7	38.3	11.8	2.4	1.2	3.4
Falls	11.7	13.5	10.1	11.9	13.7	10.3	10.2	11.2	9.2	8.4	10.4	7.8	7.7	11.4	5.0	12.0	**	**
Motor vehicle accidents	10.3	14.5	6.0	8.3	12.5	4.1	10.3	14.2	6.5	7.9	**	4.4	35.6	49.2	23.1	2.5	**	2.2
Accidental drowning and submersion	1.2	1.9	0.5	1.2	2.0	0.4	0.8	1.2	0.4	1.7	2.9	0.4	2.5	4.4	0.8	0.5	**	**
Alzheimer's disease	30.9	25.7	34.4	31.1	26.0	34.6	34.1	26.7	38.9	35.8	33.5	34.9	21.4	15.8	24.4	11.0	**	16.2
Cerebrovascular diseases	26.2	24.8	26.8	25.3	25.2	26.1	27.4	26.6	27.5	40.8	41.7	39.2	24.5	24.2	24.0	28.7	33.1	25.8
Diabetes	23.0	28.9	17.8	18.8	24.6	13.6	39.1	46.8	32.6	39.7	41.8	37.1	63.2	74.7	54.5	18.3	30.1	10.9
Intentional self-harm (suicide)	16.5	25.6	7.7	21.0	31.9	10.4	8.3	13.4	3.4	9.0	13.6	4.2	13.9	24.3	3.7	7.0	12.0	**
Chronic liver disease and cirrhosis	13.2	16.5	10.1	10.9	14.1	7.9	18.0	22.4	13.6	8.3	10.7	5.5	52.7	48.0	55.5	3.8	**	**
Essential (primary) hypertension and hypertensive renal disease	9.9	10.5	9.3	9.2	10.0	8.4	10.2	10.8	9.8	23.1	30.3	19.3	13.3	10.4	14.8	9.2	**	13.3
Influenza and pneumonia	8.9	10.4	7.7	8.8	10.0	7.9	9.4	10.8	8.1	4.2	6.8	**	22.9	25.1	20.2	6.7	**	**
Parkinson's disease	7.6	10.5	5.2	7.7	10.7	5.3	7.2	8.9	5.8	3.8	**	**	10.2	14.9	7.0	**	**	**
Nephritis, nephrotic syndrome and nephrosis	4.6	5.2	4.2	4.2	4.9	3.7	6.8	7.4	6.4	5.3	3.4	6.4	8.3	7.9	**	**	**	0.0
Assault (homicide)	4.6	7.1	2.1	3.0	4.2	1.8	6.0	9.8	2.1	11.1	**	4.0	7.3	12.0	2.6	**	**	**
Septicemia	4.4	5.0	4.0	4.0	4.6	3.7	5.6	7.8	4.0	4.0	6.8	**	8.5	7.9	9.7	**	**	**
Human immunodeficiency virus (HIV) disease	1.6	2.7	0.5	1.5	2.8	**	1.6	2.5	**	4.5	6.1	**	**	**	**	**	**	0.0
Injury by firearms	12.6	21.2	4.3	14.6	24.0	5.4	8.3	13.9	2.6	13.9	23.7	3.2	6.7	12.1	**	2.2	4.5	0.0
Drug-induced deaths	18.4	22.3	14.4	23.3	28.4	18.0	10.8	14.8	6.8	16.2	16.1	16.7	13.4	16.7	10.3	3.3	**	4.9
Alcohol-induced deaths	14.8	21.1	8.8	12.7	17.9	7.8	13.8	23.4	5.2	9.2	12.4	6.0	68.0	86.0	51.0	**	**	0.0

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] The number of deaths per 100,000 resident population age-adjusted to the 2000 U.S. standard; The rates for breast cancer and cervical cancer are per 100,000 females; The rate for prostate cancer is per 100,000 males; [b] Includes records with unknown gender and race/ethnicity.

TABLE 2B-5
AGE-ADJUSTED MORTALITY RATES[a] FOR SELECTED CAUSES OF DEATH BY URBAN/RURAL AREA AND GENDER, ARIZONA, 2014

	Arizona			Urban			Rural		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total, all causes	676.0	791.2	572.8	659.0	771.0	560.5	748.6	874.7	627.5
Major cardiovascular diseases	171.6	206.9	140.7	167.4	201.5	138.1	188.6	227.0	152.1
Diseases of heart	129.9	164.1	100.5	125.0	157.2	97.8	150.3	191.0	112.6
Coronary heart disease	99.3	130.2	73.0	97.0	126.4	72.5	108.7	145.1	75.3
Malignant neoplasms	136.3	160.8	116.8	134.8	160.1	115.0	141.5	163.0	123.7
Malignant neoplasm of trachea, bronchus and lung	32.2	38.1	27.3	31.8	38.3	26.5	33.7	37.5	30.4
Malignant neoplasm of colon, rectum, and anus	12.4	14.6	10.5	12.2	14.3	10.4	13.3	15.4	11.3
Malignant neoplasm of breast	9.6	0.2	17.9	9.5	0.1	17.6	10.3	0.4	19.5
Malignant neoplasm of prostate	7.4	17.0	0.0	7.2	16.7	0.0	8.3	18.5	0.0
Malignant melanoma of skin	2.8	4.1	1.7	2.7	4.2	1.5	3.0	3.8	2.3
Malignant neoplasm of cervix uteri	1.1	0.0	2.0	1.0	0.0	2.0	1.0	0.0	1.9
Chronic lower respiratory diseases	41.1	45.8	37.5	40.5	45.2	37.0	43.2	47.7	39.6
Accident (unintentional injury)	43.3	56.7	30.1	40.1	52.2	28.3	58.2	76.1	40.3
Accidental poisoning	15.0	19.6	10.3	13.8	17.9	9.7	19.9	25.7	13.9
Falls	11.7	13.5	10.1	11.8	13.7	10.3	10.6	12.2	9.1
Motor vehicle accidents	10.3	14.5	6.0	9.1	12.9	5.3	16.5	22.1	10.7
Accidental drowning and submersion	1.2	1.9	0.5	1.1	1.8	0.5	1.4	2.2	0.7
Alzheimer's disease	30.9	25.7	34.4	33.8	28.2	37.5	18.1	15.5	19.8
Cerebrovascular diseases	26.2	24.8	26.8	26.1	25.3	26.2	26.6	22.2	29.7
Diabetes	23.0	28.9	17.8	23.9	30.1	18.5	19.3	24.3	14.9
Intentional self-harm (suicide)	16.5	25.6	7.7	14.7	22.6	7.1	25.8	40.6	11.1
Chronic liver disease and cirrhosis	13.2	16.5	10.1	12.2	15.6	9.1	18.0	21.0	15.0
Essential (primary) hypertension and hypertensive renal disease	9.9	10.5	9.3	10.6	11.5	9.9	6.7	6.6	6.7
Influenza and pneumonia	8.9	10.4	7.7	8.1	9.5	7.0	12.2	13.3	11.1
Parkinson's disease	7.6	10.5	5.2	7.8	10.8	5.5	6.7	9.5	4.2
Nephritis, nephrotic syndrome and nephrosis	4.6	5.2	4.2	3.7	4.2	3.2	9.1	9.6	8.5
Assault (homicide)	4.6	7.1	2.1	4.6	7.1	2.1	3.9	5.9	1.6
Septicemia	4.4	5.0	4.0	4.0	4.6	3.7	6.3	7.2	5.8
(HIV) disease	1.6	2.7	0.5	1.7	2.9	0.5	0.9	1.4	0.5
Injury by firearms	12.6	21.2	4.3	11.7	19.5	4.2	16.4	28.3	4.7
Drug-induced deaths	18.4	22.3	14.4	17.4	21.2	13.5	21.6	24.3	18.9
Alcohol-induced deaths	14.8	21.1	8.8	13.5	19.4	8.1	21.8	30.2	13.5

Notes: [a] The number of deaths per 100,000 population in specified group age-adjusted to the 2000 standard U.S.; The causes of death for 2007 are classified by the Tenth Revision of the International Classification of Diseases (ICD-10); The rates for breast cancer and cervical cancer are per 100,000 females, the rates for prostate cancer is per 100,000 males.

TABLE 2B-6
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES, ARIZONA RESIDENTS, 2014

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Number of deaths			Crude death rate per 100,000 persons		
	Total	Male	Female	Total	Male	Female
Total, all causes[a]	51,074	27,037	24,034	766.0	815.4	717.1
Salmonella infections	0†	0	*	**	0.0	**
Shigellosis and amebiasis	0†	0	*	**	0.0	**
Certain other intestinal infections	208	90	118	3.1	2.7	3.5
Enterocolitis due to Clostridium difficile	152	67	85	2.3	2.0	2.5
Tuberculosis	10†	*	*	0.1	**	**
Respiratory tuberculosis	10†	*	*	0.1	**	**
Other tuberculosis	0†	*	*	**	**	**
Whooping cough	0	0	0	0.0	0.0	0.0
Scarlet fever and erysipelas	0	0	0	0.0	0.0	0.0
Meningococcal infection	0†	*	0	**	**	0.0
Septicemia	336	169	167	5.0	5.1	5.0
Syphilis	0†	*	0	**	**	0.0
Acute poliomyelitis	0	0	0	0.0	0.0	0.0
Arthropod-borne encephalitis	0	0	0	0.0	0.0	0.0
Measles	0	0	0	0.0	0.0	0.0
Viral hepatitis	259	182	77	3.9	5.5	2.3
Human immunodeficiency virus (HIV) disease	104	88	16	1.6	2.7	0.5
Malaria	0	0	0	0.0	0.0	0.0
Other and unspecified infectious and parasitic diseases	166	94	72	2.5	2.8	2.1
Malignant neoplasms	10,600	5,731	4,869	159.0	172.8	145.3
Malignant neoplasm of lip, oral cavity and pharynx	137	98	39	2.1	3.0	1.2
Malignant neoplasm of esophagus	286	230	56	4.3	6.9	1.7
Malignant neoplasm of stomach	186	109	77	2.8	3.3	2.3
Malignant neoplasm of colon, rectum, and anus	953	510	443	14.3	15.4	13.2
Malignant neoplasm of liver and intrahepatic bile ducts	508	344	164	7.6	10.4	4.9
Malignant neoplasm of pancreas	769	400	369	11.5	12.1	11.0
Malignant neoplasm of larynx	55	43	12	0.8	1.3	0.4
Malignant neoplasm of trachea, bronchus and lung	2,543	1,385	1,158	38.1	41.8	34.6
Malignant melanoma of skin	215	147	68	3.2	4.4	2.0
Malignant neoplasm of breast	729	6	723	10.9	0.2	21.6
Malignant neoplasm of cervix uteri	75	0	75	1.1	0.0	2.2
Malignant neoplasm of corpus uteri and uterus, part unspecified	176	0	176	2.6	0.0	5.3
Malignant neoplasm of ovary	281	0	281	4.2	0.0	8.4
Malignant neoplasm of prostate	572	572	0	8.6	17.3	0.0
Malignant neoplasm of kidney and renal pelvis	254	177	77	3.8	5.3	2.3
Malignant neoplasm of bladder	305	241	64	4.6	7.3	1.9
Malignant neoplasm of meninges, brain and other parts of CNS	339	194	145	5.1	5.9	4.3
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,066	636	430	16.0	19.2	12.8
Hodgkin's disease	10†	10	*	0.2	0.3	**
Non-Hodgkin's lymphoma	371	196	175	5.6	5.9	5.2
Leukemia	458	295	163	6.9	8.9	4.9
Multiple myeloma and immunoproliferative neoplasms	221	133	88	3.3	4.0	2.6
Other and unspecified malignant neoplasms of lymphoid tissue	0†	*	0	**	**	0.0
All other and unspecified malignant neoplasm	1,151	639	512	17.3	19.3	15.3
In situ neoplasms	245	132	113	3.7	4.0	3.4
Anemias	47	21	26	0.7	0.6	0.8
Diabetes	1,776	1,029	747	26.6	31.0	22.3

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES, ARIZONA RESIDENTS, 2014

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Number of deaths			Crude death rate per 100,000 persons		
	Total	Male	Female	Total	Male	Female
Nutritional deficiencies	79	33	46	1.2	1.0	1.4
Malnutrition	73	33	40	1.1	1.0	1.2
Other nutritional deficiencies	6	0	6	0.1	0.0	0.2
Obesity	162	86	76	2.4	2.6	2.3
Meningitis	10†	6	*	0.1	0.2	**
Parkinson's disease	569	344	225	8.5	10.4	6.7
Alzheimer's disease	2,345	807	1,538	35.2	24.3	45.9
Major cardiovascular diseases	13,139	7,028	6,111	197.1	212.0	182.3
Diseases of heart	9,953	5,575	4,378	149.3	168.1	130.6
Acute rheumatic fever and chronic rheumatic heart disease	74	26	48	1.1	0.8	1.4
Hypertensive heart disease	991	491	500	14.9	14.8	14.9
Hypertensive heart and renal disease	65	31	34	1.0	0.9	1.0
Ischemic heart disease	6,650	3,957	2,693	99.7	119.3	80.3
Acute myocardial infarction	1,527	909	618	22.9	27.4	18.4
Other acute ischemic heart disease	26	18	8	0.4	0.5	0.2
Other forms of chronic ischemic heart disease	5,097	3,030	2,067	76.4	91.4	61.7
Atherosclerotic cardiovascular disease	1,465	914	551	22.0	27.6	16.4
All other forms of chronic ischemic heart disease	3,632	2,116	1,516	54.5	63.8	45.2
Other heart diseases	2,173	1,070	1,103	32.6	32.3	32.9
Acute and subacute endocarditis	20†	13	*	0.2	0.4	**
Diseases of pericardium and acute myocarditis	10†	*	7	0.2	**	0.2
Heart failure	421	204	217	6.3	6.2	6.5
All other forms of heart disease	1,724	848	876	25.9	25.6	26.1
Essential (primary) hypertension and hypertensive renal disease	758	363	395	11.4	10.9	11.8
Cerebrovascular diseases	1,995	832	1,163	29.9	25.1	34.7
Atherosclerosis	94	57	37	1.4	1.7	1.1
Other diseases of circulatory system	338	200	138	5.1	6.0	4.1
Aortic aneurysm and dissection	164	111	53	2.5	3.3	1.6
Other disease of arteries, arterioles and capillaries	174	89	85	2.6	2.7	2.5
Other disorders of circulatory system	78	42	36	1.2	1.3	1.1
Influenza and pneumonia	669	346	323	10.0	10.4	9.6
Influenza	62	39	23	0.9	1.2	0.7
Pneumonia	607	307	300	9.1	9.3	9.0
Other acute lower respiratory infections	0†	0	*	**	0.0	**
Acute bronchiolitis	0†	0	*	**	0.0	**
Unspecified acute lower respiratory infection	0	0	0	0.0	0.0	0.0
Chronic lower respiratory diseases	3,185	1,584	1,601	47.8	47.8	47.8
Bronchitis, chronic and unspecified	10†	*	*	**	**	**
Emphysema	147	81	66	2.2	2.4	2.0
Asthma	82	28	54	1.2	0.8	1.6
Other chronic lower respiratory diseases	2,951	1,472	1,479	44.3	44.4	44.1
Pneumoconioses and chemical effects	10†	13	*	0.2	0.4	**
Pneumonitis due to solids and liquids	216	116	100	3.2	3.5	3.0
Other disease of respiratory system	516	282	234	7.7	8.5	7.0
Peptic ulcer	85	51	34	1.3	1.5	1.0
Diseases of appendix	13	7	6	0.2	0.2	0.2
Hernia	47	20	27	0.7	0.6	0.8

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES, ARIZONA RESIDENTS, 2014

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Number of deaths			Crude death rate per 100,000 persons		
	Total	Male	Female	Total	Male	Female
Chronic liver disease and cirrhosis	984	590	394	14.8	17.8	11.8
Alcoholic liver disease	713	465	248	10.7	14.0	7.4
Other chronic liver disease and cirrhosis	271	125	146	4.1	3.8	4.4
Cholelithiasis and other disorders of gallbladder	64	31	33	1.0	0.9	1.0
Nephritis, nephrotic syndrome and nephrosis	353	174	179	5.3	5.2	5.3
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	*	0	**	**	0.0
Chronic glomerulonephritis	94	44	50	1.4	1.3	1.5
Renal failure	255	126	129	3.8	3.8	3.8
Others disorders of kidney	0†	*	0	**	**	0.0
Infections of kidney	10†	*	9	0.2	**	0.3
Hyperplasia of prostate	9	9	0	0.1	0.3	0.0
Inflammatory diseases of female pelvic organs	0†	0	*	**	0.0	**
Pregnancy, childbirth and the puerperium	9	0	9	0.1	0.0	0.3
Pregnancy with abortive outcome	0†	0	*	**	0.0	**
Other complications of pregnancy, childbirth and the puerperium	8	0	8	0.1	0.0	0.2
Perinatal conditions	231	129	102	3.5	3.9	3.0
Congenital malformations	230	107	123	3.4	3.2	3.7
Symptoms, signs, abnormal findings	1,296	617	679	19.5	18.6	20.3
Total accidents	3,011	1,875	1,136	45.2	56.6	33.9
Transport accidents	750	531	219	11.2	16.0	6.5
Motor vehicle accidents	702	492	210	10.5	14.8	6.3
Other land transport accidents	20†	19	*	0.3	0.6	**
Water, air, space	27	20	7	0.4	0.6	0.2
Nontransport accidents	2,261	1,344	917	33.9	40.5	27.4
Falls	881	440	441	13.2	13.3	13.2
Accidental discharge of firearms	6	6	0	0.1	0.2	0.0
Accidental drowning and submersion	78	62	16	1.2	1.9	0.5
Accidental exposure to smoke, fire and flames	30	20	10	0.4	0.6	0.3
Accidental poisoning	979	633	346	14.7	19.1	10.3
Other and unspecified nontransport accidents	287	183	104	4.3	5.5	3.1
Intentional self-harm (suicide)	1,124	857	267	16.9	25.8	8.0
By discharge of firearms	631	525	106	9.5	15.8	3.2
By other means	493	332	161	7.4	10.0	4.8
Assault (homicide)	294	227	67	4.4	6.8	2.0
By discharge of firearms	196	158	38	2.9	4.8	1.1
By other means	98	69	29	1.5	2.1	0.9
Legal intervention	13	13	0	0.2	0.4	0.0
Events of undetermined intent	167	95	72	2.5	2.9	2.1
Discharge of firearms	10†	9	*	0.1	0.3	**
Other and unspecified events of undetermined intent	157	86	71	2.4	2.6	2.1
Operations of war	0	0	0	0.0	0.0	0.0
Complications of medical and surgical care	42	20	22	0.6	0.6	0.7
INJURY BY FIREARMS	853	708	145	12.8	21.4	4.3
DRUG-INDUCED DEATHS	1,214	723	491	18.2	21.8	14.6
ALCOHOL-INDUCED DEATHS	1,066	737	329	16.0	22.2	9.8

Note: * Cell suppressed due to count less than 6; ** Cell supressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes records with unknown gender; The list of Causes of Death was developed for the general analysis of ICD-10 mortality statistics and for ranking of leading causes of death. It is similar in structure and content and replaces the list of 72 Selected Causes of Death used for ICD-9 mortality statistics.

TABLE 2B-7
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY CATEGORY, GENDER, AND YEAR, ARIZONA, 2004-2014

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
ALL FORMS OF HEART DISEASE	**TOTAL**	10,402	10,779	10,362	10,147	10,052	10,151	9,719	10,424	10,366	10,497	9,953
	Male	5,543	5,789	5,538	5,455	5,535	5,558	5,351	5,748	5,731	5,910	5,575
	Female	4,859	4,990	4,834	4,692	4,517	4,593	4,368	4,675	4,635	4,587	4,378
Acute rheumatic fever and chronic rheumatic heart disease	**TOTAL**	46	55	57	38	57	51	42	69	51	64	74
	Male	18	16	15	15	24	16	15	22	19	17	26
	Female	28	39	42	23	33	35	27	47	32	47	48
Hypertensive heart and renal disease[a]	**TOTAL**	32	39	24	29	48	35	36	49	51	49	65
	Male	9	18	13	15	22	18	16	22	28	27	31
	Female	23	21	11	14	26	17	20	27	23	22	34
Ischemic heart disease	**TOTAL**	7,836	8,060	7,628	7,163	7,326	7,372	7,043	7,498	7,294	7,159	6,650
	Male	4,344	4,509	4,202	4,005	4,225	4,233	4,076	4,409	4,279	4,259	3,957
	Female	3,492	3,551	3,426	3,158	3,101	3,139	2,967	3,089	3,015	2,900	2,693
Hypertensive heart disease	**TOTAL**	463	487	506	646	636	698	644	739	761	943	991
	Male	223	226	256	332	322	340	302	348	375	462	491
	Female	240	261	250	314	314	358	342	391	386	481	500
Other heart diseases	**TOTAL**	2,025	2,138	2,147	2,271	1,985	1,995	1,954	2,069	2,209	2,282	2,173
	Male	949	1,020	1,052	1,088	942	951	942	947	1,030	1,145	1,070
	Female	1,076	1,118	1,095	1,183	1,043	1,044	1,012	1,121	1,179	1,137	1,103

TABLE 2B-8
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR, ARIZONA, 2004-2014

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
ALL CANCERS	**TOTAL[a]**	9,506	9,873	9,768	9,955	9,941	10,147	10,423	10,543	10,871	11,193	10,600
	Male	5,107	5,184	5,233	5,364	5,363	5,432	5,639	5,639	5,932	5,950	5,731
	Female	4,399	4,489	4,535	4,591	4,578	4,715	4,784	4,903	4,939	5,243	4,869
ICD-9 140-149/ICD-10 C00-C14 - Malignant neoplasm of lip, oral cavity and pharynx (oropharyngeal cancer)	**TOTAL**	127	140	115	133	151	125	134	132	144	150	137
	Male	87	95	80	91	101	89	98	105	106	101	98
	Female	40	45	35	42	50	36	36	27	38	49	39
ICD-9 150/ICD-10 C15 - Malignant neoplasm of esophagus	**TOTAL**	240	222	261	252	262	266	273	288	325	320	286
	Male	190	188	209	206	212	214	220	232	260	257	230
	Female	50	34	52	46	50	52	53	56	65	63	56
ICD-9 151/ICD-10 C16 - Malignant neoplasm of stomach	**TOTAL**	189	200	190	186	200	179	199	211	204	202	186
	Male	110	113	111	106	121	105	123	131	118	122	109
	Female	79	87	79	80	79	74	76	80	86	80	77
ICD-9 153, 154/ICD-10 C18-C21 - Malignant neoplasm of colon, rectum, rectosigmoid junction and anus	**TOTAL**	870	915	917	966	896	887	952	927	946	997	953
	Male	466	490	495	535	466	463	520	482	523	510	510
	Female	404	425	422	431	430	424	432	445	423	487	443
ICD-9 157/ICD-10 C25 - Malignant neoplasm of pancreas	**TOTAL**	551	579	575	629	636	622	707	708	813	755	769
	Male	306	305	301	362	340	304	373	355	450	392	400
	Female	245	274	274	267	296	318	334	353	363	363	369
ICD-9 162/ICD-10 C33-C34 - Malignant neoplasm of trachea, bronchus and lung	**TOTAL**	2,656	2,607	2,718	2,573	2,632	2,691	2,655	2,654	2,772	2,763	2,543
	Male	1,490	1,461	1,528	1,443	1,477	1,480	1,465	1,474	1,512	1,485	1,385
	Female	1,166	1,146	1,190	1,130	1,155	1,211	1,190	1,180	1,260	1,278	1,158
ICD-9 172/ICD-10 C43 - Malignant melanoma of skin	**TOTAL**	152	169	179	188	168	226	191	187	216	222	215
	Male	104	133	124	124	115	160	133	125	147	137	147
	Female	48	36	55	64	53	66	58	62	69	85	68
ICD-9 174,175/ICD-10 C50 - Malignant neoplasm of breast	**TOTAL**	660†	677	745	724	734	716	732	747	740†	836	729
	Male	*	7	6	6	9	8	12	6	*	9	6
	Female	663	670	739	718	725	708	720	741	740	827	723

TABLE 2B-8 (continued)
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR, ARIZONA, 2004-2014

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
ICD-9 180/ICD-10 C53 - Malignant neoplasm of cervix uteri	**TOTAL**	64	65	54	62	60	64	68	72	73	86	75
	Female	64	65	54	62	60	64	68	72	73	86	75
ICD-9 179, 182/ ICD-10 C54-C55 - Malignant neoplasm of body of uterus and of uterus, part unspecified	**TOTAL**	98	107	97	97	115	108	138	159	131	140	176
	Female	98	107	97	97	115	108	138	159	131	140	176
ICD-9 185/ICD-10 C61 - Malignant neoplasm of prostate	**TOTAL**	544	564	522	548	568	551	549	574	581	570	572
	Male	544	564	522	548	568	551	549	574	581	570	572
ICD-9 188/ICD-10 C67 - Malignant neoplasm of bladder	**TOTAL[a]**	238	244	238	270	258	264	247	355	316	293	305
	Male	157	180	175	206	192	206	183	245	244	221	241
	Female	81	64	63	64	66	58	64	109	72	72	64
ICD-9 189/ICD-10 C64-C65 - Malignant neoplasm of kidney and other and unspecified urinary organs	**TOTAL**	227	248	238	231	247	240	286	267	252	274	254
	Male	149	150	156	147	154	161	189	178	171	179	177
	Female	78	98	82	84	93	79	97	89	81	95	77
ICD-9 191, 192/ICD-10 C70-C72 - Malignant neoplasm of brain	**TOTAL**	224	276	248	248	268	275	268	275	337	325	339
	Male	115	153	133	141	152	151	153	145	196	172	194
	Female	109	123	115	107	116	124	115	130	141	153	145
ICD-9 201/ICD-10 81 - Hodgkin's disease	**TOTAL**	20†	17	20†	30	17	16	22	19	17	26	10†
	Male	12	9	14	19	10	9	12	9	8	16	10
	Female	*	8	*	11	7	7	10	10	9	10	*
ICD-9 200, 202/ICD-10 C82-C85 - Malignant lymphoma other than Hodgkin's disease	**TOTAL**	370	381	373	362	434	388	379	392	372	416	371
	Male	208	218	213	200	230	212	219	212	214	251	196
	Female	162	163	160	162	204	176	160	180	158	165	175
ICD-9 203/ICD-10 C88, C90 - Multiple myeloma and immunoproliferative neoplasms	**TOTAL**	202	201	199	213	203	189	206	219	221	247	221
	Male	119	107	110	118	123	107	117	133	128	129	133
	Female	83	94	89	95	80	82	89	86	93	118	88
Other malignant neoplasms	**TOTAL**	2,073	2,061	2,080	2,243	2,092	2,340	2,417	1,120	1,133	1,205	1,151
	Male	1,049	1,011	1,056	1,112	1,093	1,212	1,273	623	640	722	639
	Female	1,024	1,050	1,024	1,131	999	1,128	1,144	497	493	483	512

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes records with unknown gender.

TABLE 2B-9
NUMBER OF DEATHS FROM UNINTENTIONAL INJURIES IN ACCIDENTS BY CATEGORY AND YEAR AMONG ARIZONA RESIDENTS, 2004-2014

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total unintentional injury deaths	2,641	3,006	3,156	3,014	2,951	2,887	2,834	2,959	2,804	3,137	3,011
Railway accident	11	10	17	12	9	8	12	6	7	7	8
Motor vehicle accident	1,060	1,137	1,220	1,035	891	771	711	787	747	767	702
Water transport accident	*	*	*	*	*	*	*	*	*	*	0
Accident involving aircraft	21	9	32	17	32	15	16	21	13	9	*
Poisoning by drugs/medicaments	517	549	624	669	689	802	798	781	731	853	885
Poisoning by gases and vapors	16	14	22	52	77	85	81	102	86	112	94
Falls	526	685	702	720	748	731	762	776	782	870	881
Fire, flames, smoke	30	56	43	31	50	31	25	33	43	68	30
Excessive natural heat	34	74	62	28	33	39	51	57	51	56	32
Excessive natural cold	17	28	17	20	25	24	17	22	9	28	19
Contact with venomous snakes and lizards	*	0	0	0	*	0	*	0	*	0	0
Contact with venomous spiders	*	*	0	*	0	0	0	0	0	*	0
Contact with scorpions	0	0	0	0	0	0	0	0	0	*	0
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	*	0
Bitten or struck by dog	*	*	*	*	*	*	*	*	*	*	*
Lightning	0	*	*	*	0	*	*	*	*	*	0
Storms and floods	0	0	*	*	0	0	*	0	0	0	0
Accidental drowning and submersion	97	83	87	85	78	99	86	93	83	72	78
Choked on food	36	27	30	22	35	43	39	34	38	29	33
Choked on other objects	48	62	48	61	53	49	57	44	44	57	56
Mechanical suffocation	21	27	26	43	29	25	28	25	23	21	35
Accidental discharge of firearms	13	15	9	13	10	7	11	8	*	9	6
Exposure to electric current	9	15	*	11	6	7	*	6	0	6	*
Overexertion	0	0	0	0	0	0	*	0	0	0	0
Adverse effects of drugs in therapeutic use	*	*	*	*	7	8	10	*	6	10	10
Misadventures to patients during medical/surgical care	46	39	51	44	40	42	41	45	42	46	*

Notes: * Cell suppressed due to count less than 6; Beginning in 2000, the data are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

TABLE 2B-10
NUMBER OF DEATHS FROM MOTOR VEHICLE-RELATED INJURIES BY PERSON INJURED, GENDER, AND YEAR, ARIZONA RESIDENTS, 2004-2014

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
TOTAL	**Total**	1,060	1,137	1,220	1,035	891	771	711	787	747	767	702
	Male	693	801	831	710	632	554	501	562	541	541	492
	Female	367	336	389	325	259	217	210	225	206	226	210
Motorcyclist	**Total**	89	113	115	103	113	100†	69	113	130	111	100
	Male	72	101	99	92	106	94	61	96	113	98	93
	Female	17	12	16	11	7	*	8	17	17	13	7
Pedestrian	**Total**	143	182	169	155	136	122	152	153	128	152	138
	Male	99	141	123	103	101	90	115	111	88	105	100
	Female	44	41	46	52	35	32	37	42	40	47	38
Pedal cyclist	**Total**	20†	40†	30†	20†	10†	20†	20†	20†	11	20†	20†
	Male	18	36	29	17	11	19	20	16	11	19	15
	Female	*	*	*	*	*	*	*	*	0	*	*
Other person	**Total**	807	803	906	759	630	528	469	502	478	481	445
	Male	504	523	580	498	414	351	305	339	329	319	284
	Female	33	280	326	261	216	177	164	163	149	162	161

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; Beginning in 2000, the data are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

TABLE 2B-11
LEADING CAUSES OF DEATH BY PLACE OF DEATH AND DECEDENT STATUS, ARIZONA, 2014

Causes of death	TOTAL	IN HOSPITAL				NOT IN HOSPITAL				
		In-patient	Out-patient[a]	Died on arrival	Subtotal	Nursing home[b]	Residence	Other[c]	Unspecified	Subtotal
TOTAL, ALL CAUSES	51,074	10,880	2,831	21	30,326	8,618	6,003	6,066	61	20,748
Diseases of heart	9,950†	2,022	856	*	6,460†	1,170	1,260	1,062	*	3,493
Coronary heart disease	7,640†	1,401	712	*	5,020†	836	961	826	*	2,624
Malignant neoplasms	10,600†	1,541	154	*	6,320†	2,861	766	651	0	4,278
Malignant neoplasm of trachea, bronchus and lung	2,543	381	40	0	1,529	694	174	146	0	1,014
Malignant neoplasm of colon, rectum, and anus	950†	113	12	*	530†	280	71	68	0	419
Malignant neoplasm of breast	729	91	14	0	428	199	53	49	0	301
Malignant neoplasm of prostate	570†	67	*	0	350†	110	58	51	0	219
Malignant neoplasm of cervix uteri	80†	7	0	0	42	25	*	6	0	30†
Chronic lower respiratory diseases	3,190†	643	116	*	1,900†	660	366	263	0	1,289
Accident (unintentional injury)	3,010†	620	450	*	1,780†	366	142	722	*	1,231
Accidental poisoning	980†	83	152	0	753	10	*	213	0	230†
Falls	881	248	49	0	397	308	109	67	0	484
Motor vehicle accidents	700†	168	174	*	350†	19	*	327	0	350†
Accidental drowning and submersion	80†	6	24	0	39	*	0	38	0	40†
Alzheimer's disease	2,345	56	14	0	614	324	763	644	0	1,731
Cerebrovascular diseases	2,000†	423	66	*	870†	563	355	204	0	1,122
Diabetes	1,780†	471	177	*	1,290†	207	160	117	0	484
Intentional self-harm (suicide)	1,120†	67	82	*	790†	8	*	326	*	340†
Chronic liver disease and cirrhosis	984	358	34	0	658	217	71	38	0	326
Essential (primary) hypertension & hypertensive renal disease	760†	155	56	*	470†	112	107	66	0	285
Influenza and pneumonia	669	375	24	0	461	118	63	27	0	208
Parkinson's disease	569	28	6	0	224	106	115	124	0	345
Nephritis, nephrotic syndrome and nephrosis	353	116	14	0	234	41	52	26	0	119
Septicemia	336	238	10	0	268	46	14	8	0	68
Assault (homicide)	290†	41	80	*	180†	7	0	106	0	113
Human immunodeficiency virus (HIV) disease	104	48	6	0	72	17	6	9	0	32
Injury by firearms	850†	63	104	*	590†	*	0	265	0	270†
Drug-induced deaths	1,214	130	187	0	967	19	7	221	0	247
Alcohol-induced deaths	1,066	328	51	0	744	175	50	97	0	322

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes Emergency Room; [b] Includes other long-term care facilities; [c] Includes hospices.

2C.

AGE-SPECIFIC MORTALITY

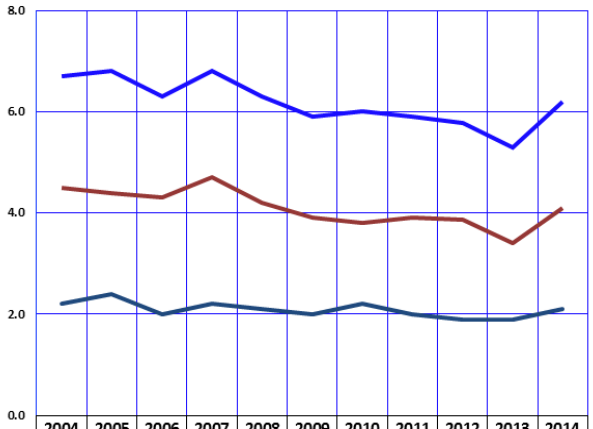
Six age-specific profiles of mortality are given on the following pages. The six developmental periods in the life span are:

- **Infants** less than one year of age
- **Children** 1 to 14 years old
- **Adolescents** or persons 15 to 19 years old
- **Young adults** or persons 20 to 44 years old
- **Middle-aged adults** or persons 45 to 64 years old
- **Elderly** or persons 65 years or older.

For each age group, cause-specific mortality is compared between urban (i.e., Maricopa, Pima, Pinal, and Yuma counties) and rural (all other counties) regions and between genders. Urban and rural regions also are compared in gender-specific total mortality.

A comparison of age-specific mortality for causes of death is provided in **Table 2C-27**. A comparison of age-specific mortality rates is in **Table 2C-28**.

Figure 2C-1
Infant Mortality Rates by Neonatal/Postneonatal Age and Year, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total infant	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3	6.2
Neonatal	4.5	4.4	4.3	4.7	4.2	3.9	3.8	3.9	3.9	3.4	4.1
Post-neonatal	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.0	1.9	1.9	2.1

Notes: Neonatal deaths are those infants age 0-27 days; Post-neonatal are deaths to infants age 28 days-1 year.

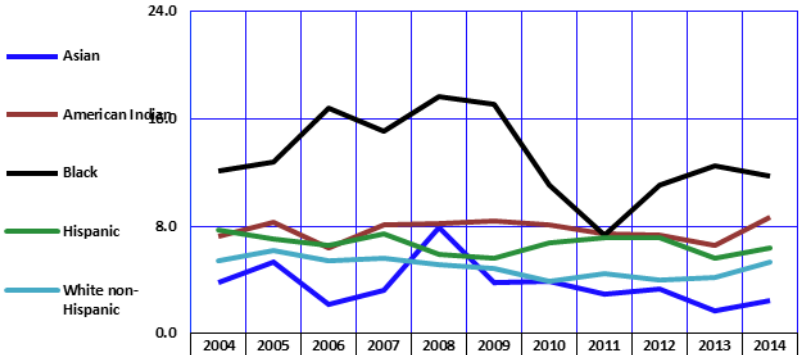
Infant mortality is defined as the number of deaths within the first year of life. The infant mortality rate is computed as the number of infant deaths in a calendar year per 1,000 live births recorded for the same period.

In 2014, 535 Arizona infants died before reaching their first birthday, 166 fewer than the latest peak of 701 infant deaths in 2007, but 88 more than 2013. (**Table 2C-2**).

Even if the infant mortality rate remained the same as it was in 2007, 109 fewer infant deaths can be attributed to the absolute reduction in the number births by 16,039 from 2007 to 2014 ((16,039 x 6.8)/1,000) = 109).

The infant mortality increased to 6.2/1,000 in 2014, which was 17.0 percent higher than the rate in 2013 (5.3/1,000) and the highest rate since 2009. (**Figure 2C-1**). This may be attributed in part to the increase in the number of infant deaths in 2014, but also to the adjustment of the 2014 population estimate of children under 1 year old, given the overestimation of this population between 2011 and 2013.

Figure 2C-2
Infant Mortality Rates[a] by Race/Ethnicity and Year, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Asian	3.8	5.3	2.2	3.2	7.9	3.8	3.9	2.9	3.3	1.7	2.5
American Indian	7.2	8.3	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6	8.7
Black	12.1	12.8	16.8	15.1	17.7	17.1	11.1	7.3	11.0	12.5	11.7
Hispanic	7.7	7.0	6.6	7.4	5.9	5.6	6.8	7.1	7.1	5.6	6.4
White non-Hispanic	5.4	6.2	5.4	5.6	5.1	4.8	3.9	4.5	4.0	4.2	5.3

Note: [a] Number of infant deaths per 1,000 live births in specified group.

In 2014, 92.0 percent (491/535)* of all infant death records were successfully matched to their corresponding birth records.

The mortality risk for infants varies by race/ethnicity. Infants of Asian or Pacific Islander mothers, followed by infants of White non-Hispanic mothers had the lowest infant mortality rates among the racial/ethnic groups in 2014 (**Figure 2C-2, Table 2C-2**).

In 2014, Black or African American infants had the worst survival chances among the ethnic groups (**Figure 2C-2**). American Indian and Hispanic or Latino infants also had elevated mortality rates.

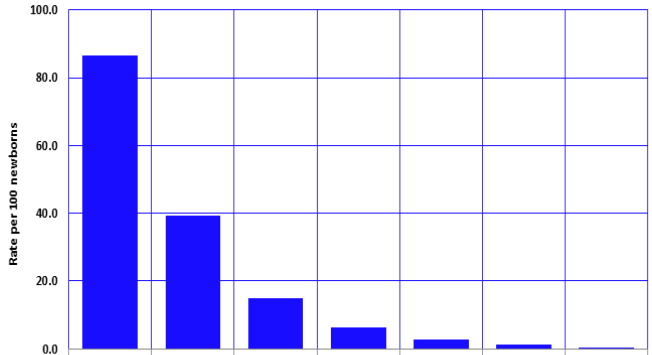
*Infant death records that were not linked to their corresponding birth certificates include unrecorded home births (i.e., no birth certificates was issued) and out-of-State births (i.e., the State issuing the certificate of birth did not send a copy to Arizona).

Newborn weight at birth is one of the most important predictors of an infant's survival chances. In 2014, the mortality rate among babies weighing less than 500 grams at birth was 86.6 percent (**Figure 2C-3**).

The absolute number of low birthweight births actually declined for the sixth consecutive year from 7,285 in 2007 to 6,069 in 2014. In 2014 the proportion of babies whose weight at birth was less than 1,000 grams increased from 7.4 percent of all low birthweight births in 2013 to 8.4 percent (**Table 1B-3**).

Together, infants weighing less than 1,500 grams accounted for 1.2 percent of births, and 49.9 percent of all infant deaths with a matching birth record.

Figure 2C-3
Proportion of Infant Deaths by Birthweight, Arizona, 2014

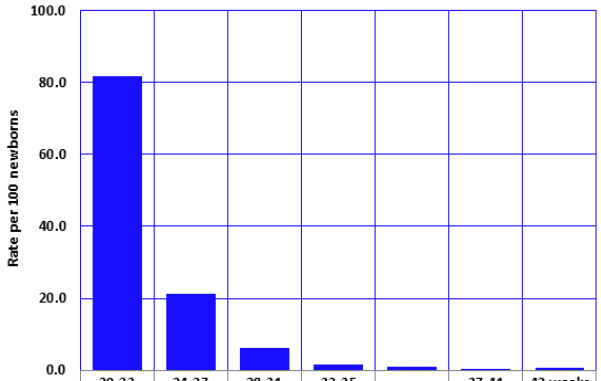


	< 500 grams	500-749 grams	750-999 grams	1000-1499 grams	1500-1999 grams	2000-2499 grams	2500+ grams
Newborns	127	189	193	509	1,156	3,895	80,528
Infant deaths	110	74	29	32	32	46	160
Infant deaths per 100 newborns	86.6	39.2	15.0	6.3	2.8	1.2	0.2

Note: 51 cases in the complete 2014 birth file had missing birthweight estimates.

As with low birthweight, preterm and very preterm infants have a large impact on the total infant mortality rate because of their much higher risk of infant mortality. For example, births at 27 weeks or less of gestation accounted for only 0.5 percent of all births but 36.0 percent of infant deaths with a matching death record. Births at less than 24 weeks of gestation have a very high infant mortality rate of 81.9 percent (**Figure 2C-4**). Overall, preterm infants (those born at less than 37 weeks of gestation) accounted for 7.1 percent of all births (**Table 1B-26**) and 55.6 percent of all infant deaths (only those with matching death records).

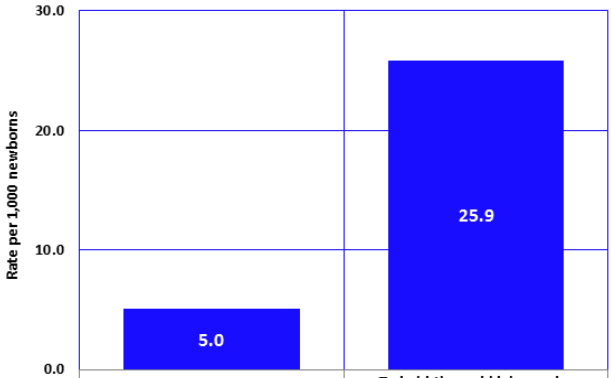
Figure 2C-4
Proportion of Infant Deaths by Gestational Age, Arizona, 2014



	20-23 weeks	24-27 weeks	28-31 weeks	32-35 weeks	36 weeks	37-41 weeks	42 weeks or more
Newborns	127	344	652	1,818	3,191	78,442	286
Infant deaths	104	73	40	26	30	166	2
Infant deaths per 100 newborns	81.9	21.2	6.1	1.4	0.9	0.2	0.7

Note: 148 cases in the complete 2014 birth file had missing gestational age estimates, 50 of which were missing in the linked infant death file.

Figure 2C-4.2
Infant Mortality Rates for Single and Multiple Births, Arizona, 2014



	Singleton births	Twin births and higher order multiples
Newborns	84,014	2,627
Infant deaths	423	68
Infant deaths per 1,000 newborns	5.0	25.9

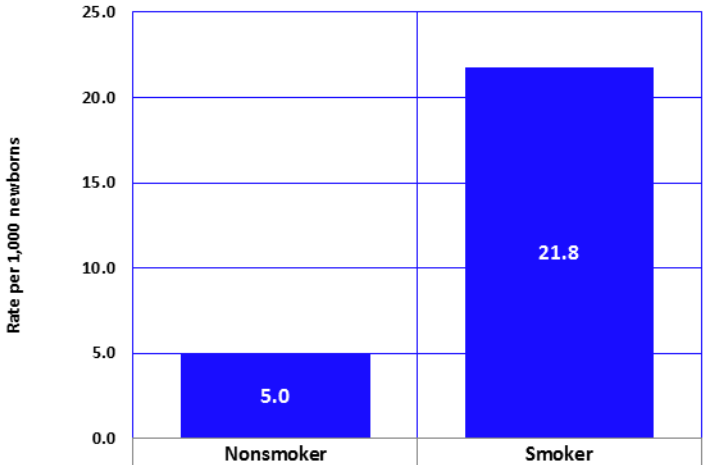
Note: 7 cases in the complete 2014 birth file was missing plurality.

As already noted in Section 1B, infants born in multiple deliveries tend to be born at shorter gestations and smaller than those in singleton deliveries. In 2014, infants born in multiple deliveries were 12.7 times more likely (45.6 vs. 3.6 percent) to be born earlier than expected (at less than 37 completed weeks of gestation) and smaller (at less than 2,500 grams) than singleton births (**Figure 1B-10**).

The infant mortality rate for single births was 5.0 in 2014 (**Figure 2C-4.2**). The infant mortality rate for twin births or higher order multiples was 25.9.

Babies born in multiple deliveries accounted for 3.0 percent of births (**Table 1B-16**), but 13.8 percent of all infant deaths in Arizona in 2014 (only those with matching birth and death records).

Figure 2C-4.3
Infant Mortality Rates by Mother's Smoking Status during Pregnancy, Arizona, 2014



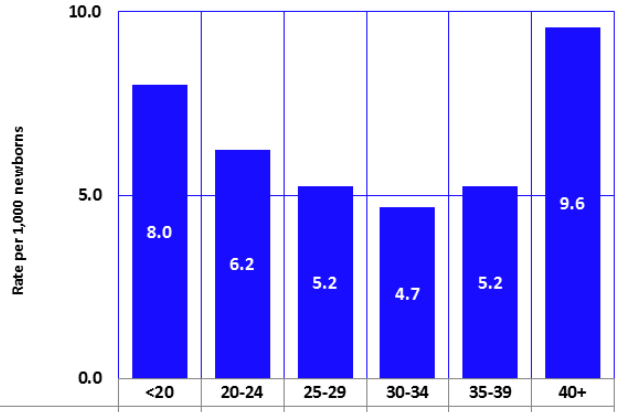
	Nonsmoker	Smoker
Newborn	82687	3400
Infant deaths	415	74
Infant deaths per 1,000 newborns	5.0	21.8

Note: 468 cases in the complete 2014 birth file were missing mothers' smoking status.

Smoking during pregnancy has been shown to increase the risk of preterm delivery, low birth weight and infant mortality. In 2014, among the 3,400 mothers who smoke during pregnancy, the risk of infant mortality was 4.4 times higher than among nonsmoker mothers (**Figure 2C-4.3**).

Infant mortality rates vary with maternal age. In 2014, infant mortality decreased with increasing maternal age through 34 years of age, but increased somewhat among mothers age 35-39. Infants born to mothers aged 40 and above had the highest infant mortality rate (**Figure 2C-4.4**).

Figure 2C-4.4
Infant Mortality Rates by Mother's Age Group, Arizona, 2014

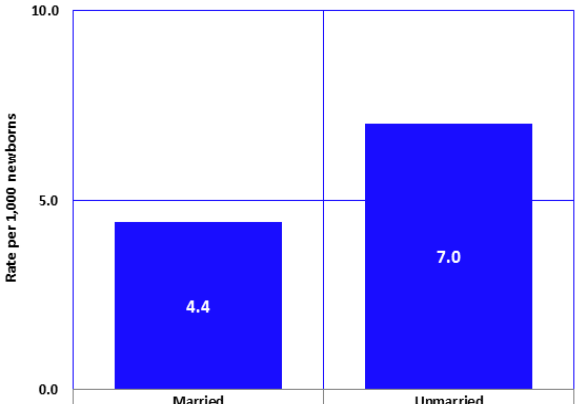


	<20	20-24	25-29	30-34	35-39	40+
Newborns	6,623	21,329	25,052	21,235	10,103	2,301
Infant deaths	53	133	131	99	53	22
Infant deaths per 1,000 newborns	8.0	6.2	5.2	4.7	5.2	9.6

Note: 5 cases in the complete 2014 birth file were missing mother's age.

Infants born to unmarried mothers accounted for the absolute majority of infant deaths in 2014 (272 vs. 206). The number of births to married mothers exceeded by 19.7 percent the number of births to unmarried mothers (46,412 vs. 38,767; **Table 1B-25**). In 2014, infants of unmarried mothers had an infant mortality rate of 7.0 deaths per 1,000 live births, 1.6 times higher than the rate for infants of married mothers (4.4 infant deaths per 1,000 live births; **Figure 2C-4.5**). The effect of marital status on infant mortality suggests that marital status is a proxy measure of factors traditionally related to infant mortality such as poverty conditions, access to health care and social support. Mother's marital status may signify the presence or absence of emotional, social, and financial resources.

Figure 2C-4.5
Infant Mortality Rates by Mother's Marital Status, Arizona, 2014



	Married	Unmarried
Newborns	46,412	38,767
Infant deaths	206	272
Infant deaths per 1,000 newborns	4.4	7.0

Note: 1,469 cases in the complete 2014 birth file were missing mother's marital status.

TABLE 2C-1
INFANT, NEONATAL, AND POSTNEONATAL MORTALITY RATES AND PERCENT POSTNEONATAL DEATHS, UNITED STATES, ARIZONA AND URBAN/RURAL COUNTIES OF ARIZONA, 2004-2014

UNITED STATES	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Infant mortality[a]	6.7	6.9	6.7	6.7	6.7	6.4	6.1	6.0	NA	NA	NA
Neonatal mortality[a]	4.5	4.6	4.5	4.4	4.3	4.2	4.0	4.0	NA	NA	NA
Postneonatal mortality[a]	2.2	2.3	2.2	2.3	2.3	2.2	2.1	2.0	NA	NA	NA
Percent postneonatal mortality[b]	32.8	33.3	32.8	34.3	34.3	33.3	34.4	NA	NA	NA	NA
ARIZONA, STATEWIDE TOTAL											
Infant mortality[a]	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3	6.2
Neonatal mortality[a]	4.5	4.4	4.3	4.7	4.2	3.9	3.8	3.9	3.9	3.4	4.1
Postneonatal mortality[a]	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.0	1.9	1.9	2.1
Percent postneonatal mortality[b]	32.8	35.3	31.5	32.4	33.3	34.0	36.7	34.3	32.9	35.3	33.4
URBAN COUNTIES											
Infant mortality[a]	6.7	6.5	6.3	6.6	6.3	5.9	5.7	5.8	5.7	5.2	6.1
Neonatal mortality[a]	4.7	4.3	4.3	4.6	4.3	4.0	3.7	3.9	3.9	3.3	4.0
Postneonatal mortality[a]	2.0	2.2	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	2.1
Percent postneonatal mortality[b]	29.9	33.8	31.3	30.3	31.8	33.0	35.1	32.6	32.9	35.1	34.1
RURAL COUNTIES											
Infant mortality[a]	6.9	8.6	6.3	8.0	6.2	5.5	7.4	6.6	5.9	5.8	6.6
Neonatal mortality[a]	3.8	5.0	4.3	4.8	3.5	3.9	4.5	3.7	3.9	3.7	4.5
Postneonatal mortality[a]	3.1	3.6	2.0	3.3	2.7	2.0	2.9	2.9	2.0	2.2	2.1
Percent postneonatal mortality[b]	44.9	41.9	32.6	41.3	43.6	38.7	37.7	43.8	33.8	37.3	31.6

Notes: [a] Rates per 1,000 live births; the U.S. rates are from the National Center for Health Statistics; [b] Total infant mortality = 100 percent; Urban = Maricopa, Pima, Pinal, and Yuma Counties; the remaining counties comprise Arizona's rural areas; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

TABLE 2C-2
NUMBER AND RATE[a] OF INFANT DEATHS BY RACE/ETHNICITY AND GENDER, ARIZONA, 2004-2014

NUMBER OF INFANT DEATHS

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
White non-Hispanic	**Total**	211	245	232	237	215	192	151	171	154	161	213
	Male	129	140	119	135	114	109	88	98	81	93	122
	Female	82	105	113	102	101	83	63	73	73	68	91
Hispanic or Latino	**Total**	314	296	297	338	251	215	235	229	236	185	216
	Male	168	161	173	186	142	115	144	122	138	97	108
	Female	146	135	124	152	109	100	91	107	98	88	108
Black or African American	**Total**	39	44	65	63	76	75	48	32	52	59	53
	Male	26	30	36	42	42	41	20	16	22	30	35
	Female	13	14	29	21	34	34	28	16	30	29	18
American Indian or Alaska Native	**Total**	44	52	41	52	52	52	47	43	41	36	45
	Male	24	25	28	29	27	28	28	15	22	19	24
	Female	20	27	13	23	25	24	19	28	19	17	21
Asian or Pacific Islander	**Total**	10†	15	10†	10†	27	13	10†	10†	10†	10†	10†
	Male	*	7	*	7	15	6	9	8	8	*	6
	Female	6	8	*	*	12	7	*	*	*	*	*
All groups[b]	**Total**	622	653	642	701	625	547	519	504	495	447	535
	Male	353	364	361	399	343	299	302	267	271	242	295
	Female	269	289	281	302	282	248	217	237	224	205	240

INFANT MORTALITY RATES

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
White non-Hispanic	**Total**	5.4	6.2	5.4	5.6	5.1	4.8	3.9	4.5	4.0	4.2	5.3
	Male	6.4	6.9	5.4	6.3	5.3	5.4	4.4	5.0	4.1	4.7	5.9
	Female	4.3	5.5	5.4	4.9	4.9	4.3	3.3	3.9	3.9	3.7	4.7
Hispanic or Latino	**Total**	7.7	7.0	6.6	7.4	5.9	5.6	6.8	7.1	7.1	5.6	6.4
	Male	8.0	7.5	7.5	7.9	6.5	5.8	8.3	7.3	8.1	5.7	6.2
	Female	7.3	6.6	5.7	6.8	5.2	5.3	5.4	6.8	6.1	5.5	6.6
Black or African American	**Total**	12.1	12.8	16.8	15.1	17.7	17.1	11.1	7.3	11.0	12.5	11.7
	Male	15.7	17.2	18.3	19.5	18.7	18.0	9.1	7.3	9.2	12.3	14.9
	Female	8.3	8.2	15.3	10.5	16.6	16.2	13.1	7.4	12.8	12.7	8.3
American Indian or Alaska Native	**Total**	7.2	8.3	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6	8.7
	Male	7.7	7.8	8.8	9.0	8.5	9.0	9.5	5.1	7.8	6.7	9.4
	Female	6.7	8.7	4.1	7.2	7.9	7.8	6.6	9.7	6.9	6.4	8.1
Asian or Pacific Islander	**Total**	3.8	5.3	2.2	3.2	7.9	3.8	3.9	2.9	3.3	1.7	2.5
	Male	**	4.9	**	3.9	8.5	3.4	5.4	4.4	4.2	**	3.7
	Female	4.8	5.8	**	**	7.2	4.3	**	**	**	**	**
All groups[b]	**Total**	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3	6.2
	Male	7.4	7.4	6.9	7.6	6.8	6.3	6.8	6.1	6.2	5.5	6.6
	Female	5.9	6.2	5.6	6.0	5.8	5.5	5.1	5.7	5.4	5.0	5.7

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Number of infant deaths per 1,000 live births in specified ethnic/gender group; infant deaths are by the race/ethnicity of the decedent; For consistency with the national data, the denominators used to calculate infant mortality rates were changed from race/ethnicity of parents to race/ethnicity of mother as stated on the birth certificate; The change in the basis for calculating infant mortality rates results in lower rates for white infants and higher rates for most minority infants than when they are computed by the previous method; [b] Includes records with other and unknown ethnic group.

TABLE 2C-3
NUMBER AND RATE[a] OF INFANT DEATHS BY RACE/ETHNICITY AND AGE GROUP, 2004-2014
NUMBER OF INFANT DEATHS

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
White non-Hispanic	**Total**	211	245	232	237	215	192	151	171	154	161	213
	Neonatal	155	163	161	161	138	129	96	120	100	97	138
	Postneonatal	56	82	71	76	77	63	55	51	54	64	75
Hispanic or Latino	**Total**	314	296	297	338	251	215	235	229	236	185	216
	Neonatal	209	205	213	239	175	150	156	152	170	131	149
	Postneonatal	105	91	84	99	76	65	79	77	66	54	67
Black or African American	**Total**	39	44	65	63	76	75	48	32	52	59	53
	Neonatal	25	19	37	43	51	46	32	20	34	38	34
	Postneonatal	14	25	28	20	25	29	16	12	18	21	19
American Indian or Alaska Native	**Total**	44	52	41	52	52	52	47	43	41	36	45
	Neonatal	21	27	26	27	29	26	22	19	21	20	26
	Postneonatal	23	25	15	25	23	26	25	24	20	16	19
Asian or Pacific Islander	**Total**	10†	15	10†	10†	30†	10†	10†	10	10†	10†	10†
	Neonatal	7	9	*	9	22	10	11	10	7	*	7
	Postneonatal	*	6	*	*	*	*	*	0	*	*	*
All groups[b]	**Total**	622	653	642	701	625	547	519	504	495	447	535
	Neonatal	421	424	440	479	419	361	330	331	332	289	354
	Postneonatal	201	229	202	222	206	186	189	173	163	158	181

INFANT MORTALITY RATES

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
White non-Hispanic	**Total**	5.4	6.2	5.4	5.6	5.1	4.8	3.9	4.5	4.0	4.2	5.3
	Neonatal	3.9	4.1	3.7	3.8	3.3	3.2	2.5	3.1	2.6	2.5	3.4
	Postneonatal	1.4	2.1	1.7	1.8	1.8	1.6	1.4	1.3	1.4	1.7	1.9
Hispanic or Latino	**Total**	7.7	7.0	6.6	7.4	5.9	5.6	6.8	7.1	7.1	5.6	6.4
	Neonatal	5.1	4.9	4.7	5.2	4.1	3.9	4.5	4.7	5.1	4.0	4.4
	Postneonatal	2.6	2.1	1.9	2.2	1.8	1.7	2.3	2.4	2.0	1.6	2.0
Black or African American	**Total**	12.1	12.8	16.8	15.1	17.7	17.1	11.1	7.3	11.0	12.5	11.7
	Neonatal	7.8	5.5	9.6	10.3	11.9	10.5	7.4	4.6	7.2	8.0	7.5
	Postneonatal	4.4	7.3	7.2	4.8	5.8	6.6	3.7	2.7	3.8	4.4	4.2
American Indian or Alaska Native	**Total**	7.2	8.3	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6	8.7
	Neonatal	3.4	4.3	4.0	4.2	4.6	4.2	3.8	3.3	3.8	3.7	5.1
	Postneonatal	3.8	4.0	2.4	3.9	3.6	4.2	4.3	4.1	3.6	2.9	3.7
Asian or Pacific Islander	**Total**	3.8	5.3	2.2	3.2	7.9	3.8	3.9	2.9	3.3	1.7	2.5
	Neonatal	2.7	3.2	**	2.6	6.4	2.9	3.3	2.9	1.9	**	2.2
	Postneonatal	**	2.1	**	**	**	**	**	0.0	**	**	**
All groups[b]	**Total**	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3	6.2
	Neonatal	4.5	4.4	4.3	4.7	4.2	3.9	3.8	3.9	3.9	3.4	4.1
	Postneonatal	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.0	1.9	1.9	2.1

Notes:* Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Number of infant deaths per 1,000 live births in specified ethnic/gender group; infant deaths are by the race/ethnicity of the decedent; for consistency with the national data, the denominators used to calculate infant mortality rates were changed from race/ethnicity of parents to race/ethnicity of mother as stated on the birth certificate; the change in the basis for calculating infant mortality rates results in lower rates for white infants and higher rates for most minority infants than when they are computed by the previous method; [b] Includes records with other and unknown ethnic group.

TABLE 2C-4
NEONATAL, POSTNEONATAL, AND TOTAL INFANT MORTALITY BY CHILD'S GENDER AND MOTHER'S RACE/ETHNICITY, ARIZONA, 2014

	NUMBER OF DEATHS BY AGE			MORTALITY RATES[a]		
	Total	Neonatal	Postneonatal	Total	Neonatal	Postneonatal
TOTAL, ALL GROUPS	535	354	181	6.2	4.1	2.1
Male	295	195	100	6.6	4.4	2.3
Female	240	159	81	5.7	3.8	1.9
White non-Hispanic	213	138	75	5.3	3.4	1.9
Male	122	81	41	5.9	3.9	2.0
Female	91	57	34	4.7	2.9	1.7
Hispanic or Latino	216	149	67	6.4	4.4	2.0
Male	108	72	36	6.2	4.2	2.1
Female	108	77	31	6.6	4.7	1.9
Black or African American	53	34	19	11.7	7.5	4.2
Male	35	23	12	14.9	9.8	5.1
Female	18	11	7	8.3	5.1	3.2
American Indian or Alaska Native	45	26	19	8.7	5.1	3.7
Male	24	14	10	9.4	5.5	3.9
Female	21	12	9	8.1	4.6	3.5
Asian or Pacific Islander	10†	7	*	2.5	2.2	**
Male	10†	*	*	3.7	**	**
Female	0†	*	0	**	**	0.0

Notes:* Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Number of deaths per 1,000 live births in specified gender group by mother's race/ethnicity; denominators are from Table 5B-8.

TABLE 2C-5
NUMBER OF DEATHS FOR SELECTED LEADING CAUSES OF INFANT MORTALITY[a] BY YEAR, ARIZONA, 2004-2014

Causes of death	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Congenital malformations, deformations and chromosomal abnormalities	152	149	142	159	145	122	114	107	118	101	121
of respiratory system	14	15	9	9	*	*	9	*	6	*	*
of brain, spinal cord or nervous system	20	19	28	20	24	15	21	13	19	13	24
Short gestation and low birth weight	84	79	93	95	91	101	64	60	62	56	63
Maternal complications	36	47	42	30	53	31	27	33	46	28	39
Accidents (unintentional injuries)	19	24	17	30	19	18	18	23	16	14	27
Sudden infant death syndrome	25	32	37	43	21	42	34	25	13	14	13
Intrauterine hypoxia or birth asphyxia	14	12	7	11	11	*	*	11	*	6	9
Assault (homicide)	*	8	11	12	*	*	6	6	*	*	6
Respiratory distress syndrome	8	12	12	8	11	8	7	*	*	*	*
Influenza and pneumonia	17	19	13	*	*	10	*	*	*	*	*
Total, all causes	622	653	642	701	625	547	519	504	495	447	535

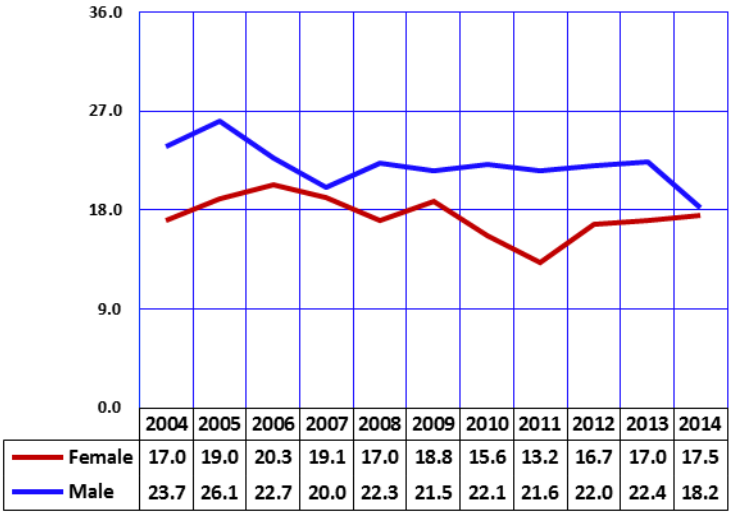
Notes: * Cell suppressed due to count less than 6; [a] Leading causes of infant mortality are based on the list of 130 causes of infant death according to the Tenth Revision, International Classification of Diseases (ICD-10).

TABLE 2C-6
INFANT MORTALITY RATES[a] FOR SELECTED LEADING CAUSES OF DEATH BY YEAR, ARIZONA, 2004-2014

Causes of death	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Congenital malformations, deformations and chromosomal abnormalities	1.6	1.6	1.4	1.5	1.5	1.3	1.3	1.3	1.4	1.2	1.4
of respiratory system	0.1	0.2	0.1	0.1	**	**	0.1	**	0.1	**	**
of brain, spinal cord or nervous system	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Short gestation and low birth weight	0.9	0.8	0.9	0.9	0.9	1.1	0.7	0.7	0.7	0.7	0.7
Maternal complications	0.4	0.5	0.4	0.3	0.5	0.3	0.3	0.4	0.5	0.3	0.5
Accidents (unintentional injuries)	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3
Sudden infant death syndrome	0.3	0.3	0.4	0.4	0.2	0.4	0.4	0.3	0.2	0.2	0.2
Intrauterine hypoxia or birth asphyxia	0.1	0.1	0.1	0.1	0.1	**	**	0.1	**	0.1	0.1
Assault (homicide)	**	0.1	0.1	0.1	**	**	0.1	0.1	**	**	0.1
Respiratory distress syndrome	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**	**	**	**
Influenza and pneumonia	0.2	0.2	0.1	**	**	0.1	**	**	**	**	**
Total, all causes	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3	6.2

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] Number of infant deaths per 1,000 live births; leading causes of infant mortality are based on the list of 130 causes of infant death according to the Tenth Revision, International Classification of Diseases (ICD-10).

Figure 2C-5
Mortality Rates[a] by Gender and Year among Children 1-14 Years, Arizona, 2004-2014



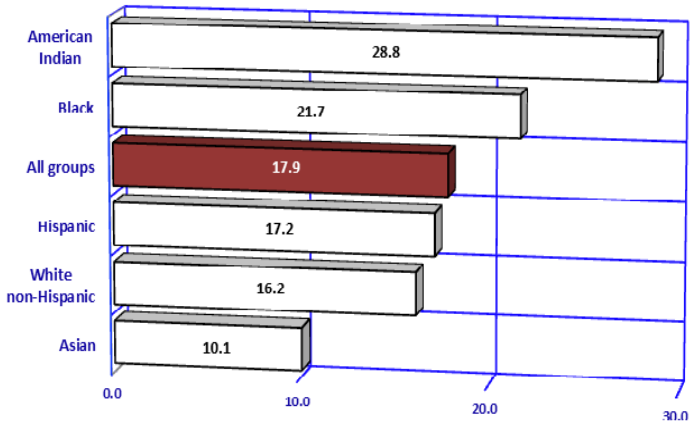
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	17.0	19.0	20.3	19.1	17.0	18.8	15.6	13.2	16.7	17.0	17.5
Male	23.7	26.1	22.7	20.0	22.3	21.5	22.1	21.6	22.0	22.4	18.2

Note: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group.

In 2014, a total of 227 deaths were recorded among 1,271,484 children aged 1-14 years residing in Arizona. The 2014 childhood mortality rate of 17.9 per 100,000 was 9.7 percent lower than the 2013 mortality rate of 19.8 (**Table 2C-7**). The mortality rate declined for male children but increased slightly for female children from 2013 to 2014. (**Figure 2C-5**, **Table 2C-7**).

The five causes with the greatest mortality rates in childhood from 2004-2014 were *accidents* (unintentional injuries), *malignant neoplasms*, *congenital malformations*, *homicide,* and *suicide* (**Table 2C-7**).

Figure 2C-6
Mortality Rates[a] by Race/Ethnicity among Children 1-14 Years, Arizona, 2014



Note: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group.

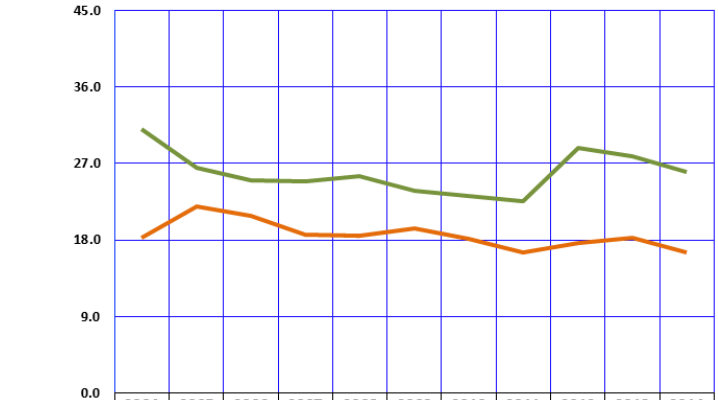
American Indian children had the highest 2014 total mortality rate (28.8deaths per 100,000) followed by Black or African American children (21.7/100,000; **Figure 2C-6**). The mortality rates of Asian, White non-Hispanic, and Hispanic or Latino children were lower than the average rate for all groups.

In 2014, there were approximately 20 children who died of accidental drowning and submersion, around 10 children who died of assault, and 10 completed *suicides* of children aged 1-14 years (**Table 2C-10**). The mortality rate for Native American children due to automobile accidents was 11.1 times greater than the automobile accident mortality rate for White non-Hispanic children.

Childhood mortality (ages 1-14 years)

From 2013 to 2014, overall mortality rates decreased for both urban and rural children (**Figure 2C-7, Table 2C-8**). From 2004 to 2014 the total mortality rates decreased by 9.8 percent for urban children and by 16.4 percent for rural children.

Figure 2C-7
Mortality Rates[a] by Urban/Rural Area[b] and Year among Children 1-14 Years, Arizona, 2004-2014



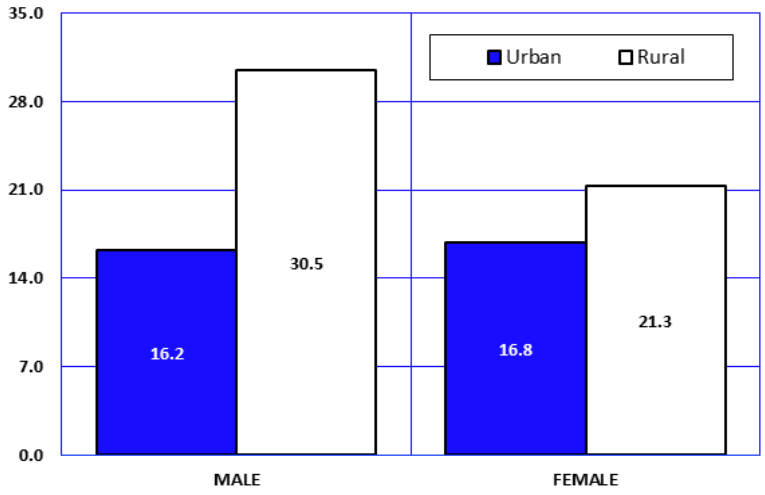
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Urban	18.3	21.9	20.9	18.6	18.5	19.4	18.1	16.6	17.7	18.3	16.5
Rural	31.1	26.5	25.0	24.9	25.5	23.8	23.2	22.6	28.9	27.9	26.0

Notes: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group; [b] Urban counties are Maricopa, Pima, Pinal, and Yuma Counties, Rural Counties are those remaining.

From 2013 to 2014, the mortality rate for accidents decreased for both urban and rural children (**Table 2C-8**). The mortality rate for unintentional injuries among rural children (8.9/100,000) was 2.0 times greater than the rate among urban children (4.5/100,000, **Table 2C-8**). In 2014, 15 children in urban areas died of accidental drowning while fewer rural children died of this cause (**Table 2C-10**).

Urban males aged 1-14 years old had the lowest mortality risk among gender by area groups in 2014, followed by urban females, rural females, and rural males.

Figure 2C-8
Mortality Rates[a] by Gender in Urban/Rural[b] Areas among Children 1-14 Years, Arizona, 2014



Notes: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group; [b] Urban counties include Maricopa, Pima, Pinal, and Yuma Counties, Rural Counties are those remaining.

TABLE 2C-7
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG CHILDREN (1-14 YEARS) BY GENDER, ARIZONA, 2004-2014

Gender/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
MALE												
Accidents (unintentional injuries)	9.5	10.0	8.0	8.3	7.8	8.0	8.2	9.6	7.4	8.6	6.5	-31.8
Motor vehicle accidents	5.2	4.5	4.2	4.6	2.5	4.2	3.1	4.0	3.5	4.5	2.5	-52.5
Drowning	2.7	2.3	0.9	1.5	2.9	2.6	2.5	2.6	2.2	1.8	2.2	-20.0
Other	1.6	3.2	2.9	2.2	2.4	1.2	2.6	3.1	1.7	2.3	1.9	15.7
Malignant neoplasms	1.6	1.7	1.7	2.2	2.5	3.1	1.9	1.7	2.8	2.5	1.7	6.1
Intentional self-harm (suicide)	0.3	1.1	0.5	0.4	0.9	0.4	1.2	1.1	1.1	0.6	1.1	260.0
Assault (homicide)	2.3	2.0	1.5	1.3	1.2	0.9	2.0	0.9	0.9	1.4	0.9	-59.7
Congenital malformations	1.6	1.9	2.3	0.7	1.8	1.5	1.5	1.7	1.8	0.9	0.9	-42.1
ALL CAUSES	23.7	26.1	22.7	20.0	22.3	21.5	22.1	21.6	22.0	22.4	18.2	-23.2
(Number of all deaths)	(147)	(168)	(150)	(134)	(152)	(148)	(143)	(141)	(143)	(146)	(118)	17.1
FEMALE												
Accidents (unintentional injuries)	6.6	7.8	7.8	6.3	4.6	5.5	5.1	3.2	3.7	4.5	3.7	-44.1
Motor vehicle accidents	4.1	4.6	4.1	3.6	2.8	2.9	2.4	1.1	1.8	2.6	2.6	-37.4
Other	1.0	1.6	1.6	1.9	0.9	2.0	1.4	0.8	1.1	0.6	0.6	-35.8
Drowning	1.2	1.6	2.1	0.8	0.9	0.6	1.3	1.3	0.8	1.3	0.5	-59.9
Malignant neoplasms	2.0	2.1	0.9	4.2	2.0	1.8	2.2	2.4	2.4	2.1	2.9	44.4
Congenital malformations	1.4	1.8	2.1	1.3	1.5	1.4	1.6	1.0	2.3	2.4	1.3	-8.3
Assault (homicide)	0.7	0.8	0.8	1.4	0.9	1.8	0.3	1.3	1.1	1.6	1.3	83.3
Influenza and pneumonia	0.7	0.5	0.9	0.2	0.6	0.5	0.3	0.3	0.2	0.2	0.2	-77.1
ALL CAUSES	17.0	19.0	20.3	19.1	17.0	18.8	15.6	13.2	16.7	17.0	17.5	2.9
(Number of all deaths)	(101)	(117)	(128)	(122)	(110)	(123)	(97)	(83)	(104)	(106)	(109)	7.9
TOTAL												
Accidents (unintentional injuries)	8.1	8.9	7.9	7.3	6.2	6.8	6.7	6.5	5.6	6.6	5.1	-36.9
Motor vehicle accidents	4.6	4.5	4.2	4.1	2.6	3.6	2.8	2.6	2.7	3.5	2.5	-45.3
Drowning	2.0	2.0	1.5	1.1	2.0	1.6	1.9	2.0	1.5	1.6	1.3	-33.1
Other	1.5	2.4	2.2	2.1	1.6	1.6	2.0	2.0	1.4	1.5	1.3	-16.1
Malignant neoplasms	1.8	1.9	1.3	3.2	2.3	2.5	2.0	2.0	2.6	2.3	2.3	26.7
Congenital malformations	1.5	1.8	2.2	1.0	1.7	1.4	1.6	1.3	2.0	1.6	1.1	-26.6
Assault (homicide)	1.5	1.4	1.2	1.4	1.1	1.3	1.2	1.1	1.0	1.5	1.1	-26.6
Intentional self-harm (suicide)	0.2	0.9	0.9	0.4	0.6	0.3	0.7	0.9	0.6	0.6	0.9	332.6
ALL CAUSES	20.4	22.7	21.5	19.5	19.7	20.2	18.9	17.5	19.4	19.8	17.9	-12.5
(Number of all deaths)	(248)	(285)	(278)	(256)	(262)	(271)	(240)	(224)	(247)	(252)	(227)	(-8.5)

Notes: [a] Number of deaths per 100,000 children 1-14 years old; [b] The five causes with the greatest number of deaths over the 2004-2014 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2004-2014 are classified by ICD-10, replacing the Ninth Revision (ICD-9); 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***.

TABLE 2C-8
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG CHILDREN (1-14 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2004-2014

Area/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Accidents (unintentional injuries)	6.8	9.2	7.1	6.5	5.4	6.4	6.0	5.7	4.7	5.5	4.5	-33.9
Motor vehicle accidents	3.7	4.2	3.9	3.2	2.0	3.2	2.5	1.7	1.9	2.6	2.0	-45.5
Drowning	2.1	2.3	1.4	1.3	1.8	1.8	1.8	2.2	1.5	1.8	1.4	-34.5
Other	1.0	2.7	1.8	2.0	1.7	1.5	1.7	1.7	1.3	1.1	1.1	10.0
Malignant neoplasms	1.6	2.2	1.5	3.4	2.6	2.6	2.3	2.1	2.6	2.4	2.3	43.2
Congenital malformations	1.5	1.7	2.4	0.8	1.7	1.3	1.8	1.3	2.1	1.8	1.0	-32.8
Assault (homicide)	1.4	1.3	1.1	1.4	1.1	1.3	1.3	1.2	0.9	1.5	1.0	-28.0
Diseases of heart	0.8	0.4	1.0	0.4	0.4	0.3	0.3	0.4	0.6	0.3	0.3	-65.6
ALL CAUSES	18.3	21.9	20.9	18.6	18.5	19.4	18.1	16.6	17.7	18.3	16.5	-9.8
(Number of all deaths)	(184)	(229)	(228)	(206)	(210)	(221)	(197)	(182)	(192)	(200)	(180)	(-2.2)
RURAL												
Accidents (unintentional injuries)	14.6	7.6	12.0	12.0	10.3	8.8	10.8	11.3	10.9	12.6	8.9	-39.3
Motor vehicle accidents	9.2	6.2	5.5	9.0	6.4	5.8	4.3	7.5	7.1	8.7	5.5	-39.8
Other	3.9	0.9	4.5	2.5	1.5	1.9	4.3	3.2	2.2	3.8	2.2	-43.2
Drowning	1.5	0.5	2.0	0.5	2.5	1.0	2.2	0.5	1.6	0.0	1.1	-26.2
Malignant neoplasms	2.9	0.5	0.5	2.0	0.5	1.9	0.5	1.6	2.2	1.6	2.2	-23.7
Intentional self-harm (suicide)	0.5	2.8	2.0	0.5	1.5	0.5	1.1	0.5	1.1	1.6	2.2	342.8
Assault (homicide)	1.9	1.9	1.5	1.0	1.0	1.5	0.5	0.5	1.6	1.6	1.7	-12.6
Congenital malformations	1.5	2.4	1.0	2.0	1.5	1.9	0.5	1.6	1.6	0.5	1.7	10.7
ALL CAUSES	31.1	26.5	25.0	24.9	25.5	23.8	23.2	22.6	28.9	27.9	26.0	-16.4
(Number of all deaths)	(64)	(56)	(50)	(50)	(52)	(49)	(43)	(42)	(53)	(51)	(47)	(-26.6)
TOTAL												
Accidents (unintentional injuries)	8.1	8.9	7.9	7.3	6.2	6.8	6.7	6.5	5.6	6.6	5.1	-36.9
Motor vehicle accidents	4.6	4.5	4.2	4.1	2.6	3.6	2.8	2.6	2.7	3.5	2.5	-45.3
Drowning	2.0	2.0	1.5	1.1	2.0	1.6	1.9	2.0	1.5	1.6	1.3	-33.1
Other	1.5	2.4	2.2	2.1	1.6	1.6	2.0	2.0	1.4	1.5	1.3	-16.1
Malignant neoplasms	1.8	1.9	1.3	3.2	2.3	2.5	2.0	2.0	2.6	2.3	2.3	26.7
Congenital malformations	1.5	1.8	2.2	1.0	1.7	1.4	1.6	1.3	2.0	1.6	1.1	-26.6
Assault (homicide)	1.5	1.4	1.2	1.4	1.1	1.3	1.2	1.1	1.0	1.5	1.1	-26.6
Intentional self-harm (suicide)	0.2	0.9	0.9	0.4	0.6	0.3	0.7	0.9	0.6	0.6	0.9	332.6
ALL CAUSES	20.4	22.7	21.5	19.5	19.7	20.2	18.9	17.5	19.4	19.8	17.9	-12.5
(Number of all deaths)	(248)	(285)	(278)	(256)	(262)	(271)	(240)	(224)	(247)	(252)	(227)	(-8.5)

Notes: [a] Number of deaths per 100,000 children 1-14 years old; [b] The five causes with the greatest number of deaths over the 2004-2014 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; 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 2004-2014 are classified by ICD-10; 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***.

TABLE 2C-9
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2004-2014

Area/Gender	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% Change from 2004
URBAN												
Male	21.9	25.9	22.2	19.2	21.1	20.6	20.0	20.8	20.0	21.3	16.2	-26.1
Female	14.4	17.6	19.5	18.0	15.9	18.2	16.2	12.3	15.2	15.2	16.8	17.0
TOTAL	18.3	21.9	20.9	18.6	18.5	19.4	18.1	16.6	17.7	18.3	16.5	-9.8
RURAL												
Male	31.8	27.0	25.5	24.4	27.9	25.7	33.9	26.4	32.1	29.0	30.5	-3.9
Female	30.3	26.1	24.4	25.4	23.0	21.8	12.1	18.7	25.5	26.6	21.3	-29.6
TOTAL	31.1	26.5	25.0	24.9	25.5	23.8	23.2	22.6	28.9	27.9	26.0	-16.4
TOTAL												
Male	23.7	26.1	22.7	20.0	22.3	21.5	22.1	21.6	22.0	22.4	18.2	-23.2
Female	17.0	19.0	20.3	19.1	17.0	18.8	15.6	13.2	16.7	17.0	17.5	2.9
TOTAL	20.4	22.7	21.5	19.5	19.7	20.2	18.9	17.5	19.4	19.8	17.9	-12.5

Notes: [a] Rates are presented per 100,000 children 1-14 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

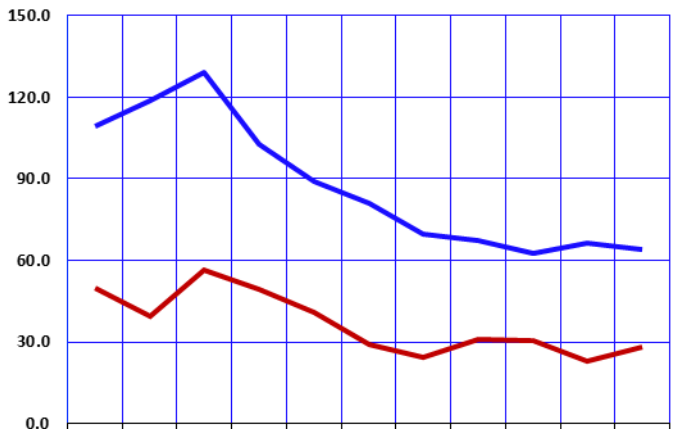
TABLE 2C-10
LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2014

Cause of death	Total[a]	Gender		Area[b]		Race/ethnicity				
		Male	Female	Urban	Rural	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or other Pacific Islander
Accidents (unintentional injury)	70†	42	23	49	16	16	30	7	11	*
Motor vehicle accidents	30†	16	16	22	10	*	20	*	6	0
Accidental drowning and submersion	20†	14	*	15	*	8	*	*	*	0
Malignant neoplasms	30†	11	18	25	*	16	11	0	*	0
Leukemia	10†	*	6	9	*	*	*	0	*	0
Congenital malformations	10†	6	8	11	*	6	*	*	*	0
Assault (homicide)	10†	6	8	11	*	*	9	*	*	0
By discharge of firearms	0†	*	*	*	*	0	*	0	0	0
By other means	10†	*	6	9	*	*	6	*	*	0
Intentional self-harm (suicide)	10†	7	*	7	*	6	*	0	*	0
Chronic lower respiratory diseases	10†	*	*	*	*	*	*	*	0	0
Asthma	10†	*	*	*	*	*	*	*	0	0
Influenza and pneumonia	0†	*	*	*	0	*	*	0	0	0
Total, all causes[c]	227	118	109	180	47	87	86	19	28	5

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] May include death records where the county of residence could not be classified as urban or rural; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; [c] May include other causes of death not shown above.

Adolescent mortality (ages 15-19 years)

Figure 2C-9
Mortality Rates[a] by Gender and Year among Adolescents 15-19 Years, Arizona, 2004-2014



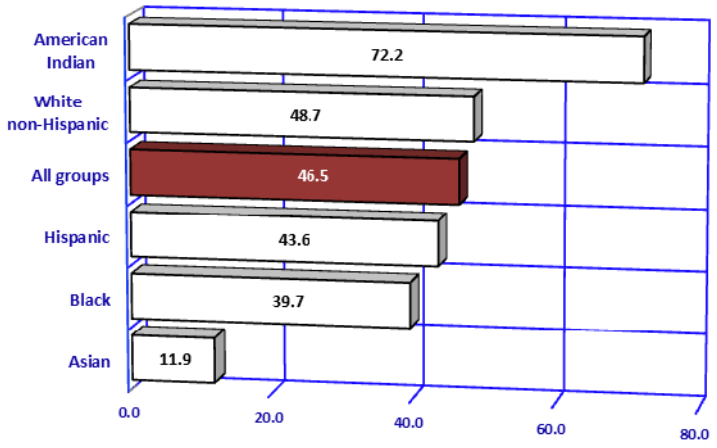
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	49.8	39.4	56.6	49.3	40.7	29.0	24.5	31.0	30.3	23.2	28.2
Male	109.5	118.5	129.1	102.7	89.1	81.1	69.5	67.4	62.5	66.5	63.8

Note: [a] Number of deaths per 100,000 persons, 15 - 19 years old in specified group.

Adolescence refers to individuals between the ages of 15 and 19, an important developmental period marking the transition from childhood to adulthood. In 2014, an estimated 453,593 adolescents resided in Arizona, comprising 6.8 percent of the State's population (**Table 10A-1**). The lives of 211 resident adolescents prematurely ended in 2014, resulting in a total mortality rate of 46.5 deaths per 100,000 adolescents. This mortality rate was 42.5 percent lower than the 2004 rate (**Table 2C-11**).

The likelihood of dying was 2.3 times greater for adolescent boys than for adolescent girls in 2014 (**Figure 2C-9**, **Table 2C-11**).

Figure 2C-10
Mortality Rates[a] by Race/Ethnicity among Adolescents 15-19 Years, Arizona, 2014



Note: [a] Number of deaths per 100,000 persons, 15 - 19 years old in specified group.

The five causes with the greatest number of deaths over the 2004-2014 period were *unintentional injuries in accidents*, *suicide*, *homicide malignant neoplasms*, and *symptoms, signs, and abnormal findings* (**Table 2C-14**).

In 2014, adolescents who were Asian, Black, or Hispanic had greater survival chances than the state average for all adolescents, while American Indian and White non-Hispanic adolescents had lower survival chances than average (**Figure 2C-10**). If the 2014 mortality risk of Asian adolescents (i.e., their mortality rate) applied to all adolescents, only 157 would have died: 54 less than the 211 who actually did.

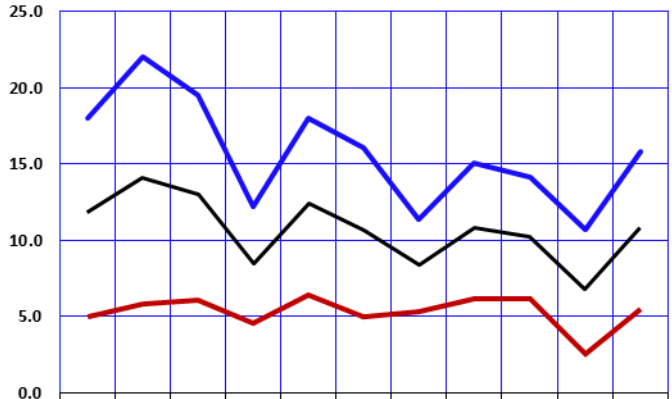
The number of deaths from accidental drug poisoning declined from 30 in 2013 to less than 15 in 2014.

Adolescent mortality (ages 15-19 years)

The number of suicides among Arizonans age 15-19 years increased 53.1 percent from 2013 (n = 32) to 2014 (n = 49; **Table 2C-14**). In 2013, as in prior years, male adolescents accounted for the absolute majority (75.5 percent) of completed suicides.

The suicide rate in 2013 was the lowest recorded since at least 1990 (**Figure 2C-11**, **Table 2C-11**). In 2014, the adolescent male suicide rate was 12.0 percent lower, and the adolescent female suicide rate was 9.0 percent higher, than in 2004, respectively. The male to female ratio in suicide mortality rates decreased from 3.6:1 in 2004 to 2.9:1 in 2014. In other words, male adolescents were 2.9 times more likely to kill themselves in 2014 than female adolescents, compared to 3.6 times more likely in 2004.

Figure 2C-11
Suicide Rates[a] by Gender and Year among Adolescents 15-19 Years, Arizona, 2004-2014

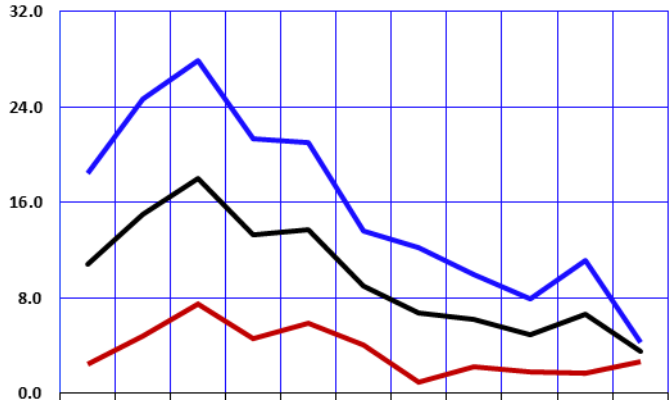


	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	5.0	5.8	6.1	4.6	6.4	5.0	5.3	6.2	6.2	2.6	5.5
Male	18.0	22.0	19.5	12.2	18.0	16.1	11.4	15.1	14.2	10.7	15.8
Both	11.8	14.1	13.0	8.5	12.4	10.7	8.4	10.8	10.3	6.8	10.8

Note: [a] Number of suicide deaths per 100,000 persons, 15 - 19 years old in specified group.

From 2004 to 2006, homicide rates increased for both adolescent males and females (**Figure 2C-12**, **Table 2C-11**). From 2008 to 2012, the homicide rate decreased by 62.4 percent for adolescent males, and by 69.5 percent for adolescent females. A shift occurred in 2013, as the adolescent homicide mortality rate increased for males while still declining for females. From 2013 to 2014, the male mortality rate decreased by 61.6 percent, and the female mortality rate increased by 55.8 percent.

Figure 2C-12
Homicide Rates[a] by Gender and Year among Adolescents 15-19 Years, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	2.5	4.8	7.5	4.6	5.9	4.1	0.9	2.2	1.8	1.7	2.7
Male	18.5	24.7	27.9	21.3	21.0	13.6	12.2	10.0	7.9	11.2	4.3
Both	10.8	15.0	18.0	13.3	13.7	9.0	6.7	6.2	4.9	6.6	3.5

Note: [a] Number of homicide deaths per 100,000 persons, 15 - 19 years old in specified group.

TABLE 2C-11
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY GENDER, ARIZONA, 2004-2014

Gender/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
MALE												
Accidents (unintentional injuries)	51.3	49.4	57.7	48.3	33.0	34.4	27.0	29.3	28.8	28.1	22.3	-56.6
Motor vehicle accidents	36.1	33.2	41.7	35.3	21.9	15.3	15.2	18.8	18.3	15.3	15.0	-58.5
Other	15.3	16.2	16.0	13.0	11.1	19.1	11.8	0.8	10.4	12.8	7.3	-52.4
Intentional self-harm (suicide)	18.0	22.0	19.5	12.2	18.0	16.1	11.4	15.1	14.2	10.7	15.8	-12.0
Assault (homicide)	18.5	24.7	27.9	21.3	21.0	13.6	12.2	10.0	7.9	11.2	4.3	-76.8
Malignant neoplasms	6.5	4.0	3.1	3.5	5.1	3.4	2.5	2.1	2.9	2.5	2.6	-60.5
Diseases of heart	1.8	1.8	1.8	2.2	0.4	1.3	2.1	1.3	0.0	0.4	1.3	-28.6
ALL CAUSES	109.5	118.5	129.1	102.7	89.1	81.1	69.5	67.4	62.5	66.5	63.8	-41.7
(Number of all deaths)	(237)	(264)	(291)	(236)	(208)	(191)	(165)	(161)	(150)	(161)	(149)	(-37.1)
FEMALE												
Accidents (unintentional injuries)	28.9	18.3	28.1	23.7	18.3	9.1	9.4	9.7	15.8	7.9	7.7	-73.3
Motor vehicle accidents	24.9	16.3	26.2	17.7	12.4	6.3	4.5	5.8	13.2	6.1	5.0	-79.9
Other	4.0	2.0	1.9	6.0	5.9	2.7	4.9	0.9	2.6	1.7	2.7	-31.9
Intentional self-harm (suicide)	5.0	5.8	6.1	4.6	6.4	5.0	5.3	6.2	6.2	2.6	5.5	9.0
Malignant neoplasms	2.5	1.4	3.7	4.2	4.1	3.2	2.7	4.4	1.8	3.5	4.1	63.5
Assault (homicide)	2.5	4.8	7.5	4.6	5.9	4.1	0.9	2.2	1.8	1.7	2.7	9.0
Diseases of heart	0.5	1.0	1.4	1.4	0.9	1.4	0.9	0.9	0.0	0.9	0.9	81.7
ALL CAUSES	49.8	39.4	56.6	49.3	40.7	29.0	24.5	31.0	30.3	23.2	28.2	-43.4
(Number of all deaths)	(100)	(82)	(121)	(106)	(89)	(64)	(55)	(70)	(69)	(53)	(62)	(-38.0)
TOTAL												
Accidents (unintentional injuries)	40.5	34.3	43.3	36.4	25.9	22.1	18.4	19.8	22.5	18.3	15.2	-62.4
Motor vehicle accidents	30.7	25.0	34.2	26.8	17.3	11.0	10.0	12.5	15.8	10.8	10.1	-67.0
Other	9.8	9.3	9.1	9.6	8.6	11.2	8.4	0.9	6.6	7.4	5.1	-48.3
Intentional self-harm (suicide)	11.8	14.1	13.0	8.5	12.4	10.7	8.4	10.8	10.3	6.8	10.8	-8.5
Assault (homicide)	10.8	15.0	18.0	13.3	13.7	9.0	6.7	6.2	4.9	6.6	3.5	-67.3
Malignant neoplasms	4.6	2.8	3.4	3.8	4.6	3.3	2.6	3.2	2.4	3.0	3.3	-28.1
Diseases of heart	1.2	1.4	1.6	1.8	0.9	1.3	1.5	1.1	0.0	0.6	1.1	-8.1
ALL CAUSES	80.8	80.1	93.8	76.9	65.7	55.9	47.7	49.7	47.1	45.5	46.5	-42.4
(Number of all deaths)	(337)	(346)	(412)	(342)	(297)	(255)	(220)	(231)	(220)	(214)	(211)	(-37.4)

Notes: [a] Number of deaths per 100,000 adolescents 15-19 years old; [b] The five causes with the greatest number of deaths over the 2004-2014 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2004-2014 are classified by ICD-10, replacing the Ninth Revision (ICD-9); 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***.

TABLE 2C-12
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ADOLESCENTS (15-19 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2004-2014

Area/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Accidents (unintentional injuries)	37.3	28.9	40.3	30.9	23.7	18.7	17.0	18.4	17.0	15.8	12.5	-66.4
Motor vehicle accidents	27.1	20.5	32.2	21.9	14.8	9.6	9.3	10.8	11.9	9.3	8.9	-67.3
Other	10.2	8.4	8.1	9.0	8.9	9.1	7.7	1.0	5.1	6.5	3.7	-64.2
Intentional self-harm (suicide)	11.4	13.2	10.6	8.2	9.4	9.6	7.2	8.5	8.1	5.0	9.6	-15.4
Assault (homicide)	9.9	16.8	20.0	14.8	15.3	9.6	6.7	6.4	4.8	6.8	3.7	-63.1
Malignant neoplasms	4.1	2.8	2.8	3.8	4.6	3.2	2.3	2.8	2.8	3.5	3.7	-10.9
Diseases of heart	1.5	1.4	1.4	1.6	1.1	1.3	1.5	1.3	0.0	0.5	1.3	-13.1
ALL CAUSES	75.8	75.8	88.9	72.5	61.4	51.5	43.6	45.3	38.8	42.4	42.5	-43.9
(Number of all deaths)	(260)	(270)	(320)	(265)	(230)	(194)	(169)	(177)	(153)	(169)	(163)	(-37.3)
RURAL												
Accidents (unintentional injuries)	54.1	59.4	56.8	61.9	36.0	36.9	25.5	26.9	52.1	31.8	29.9	-44.7
Motor vehicle accidents	46.0	46.2	42.9	49.2	28.6	17.2	13.4	21.5	37.0	19.3	17.1	-62.8
Other	8.1	13.2	13.9	12.7	7.4	19.7	12.1	0.0	15.1	12.4	12.8	58.4
Intentional self-harm (suicide)	13.5	18.5	24.0	10.1	26.1	16.0	14.8	22.9	21.9	16.6	17.1	26.7
Assault (homicide)	14.9	6.6	8.8	6.3	7.5	6.1	6.7	5.4	5.5	5.5	2.9	-80.9
Malignant neoplasms	6.8	2.6	6.3	3.8	6.2	3.7	4.0	5.4	0.0	0.0	1.4	-79.0
Diseases of heart	0.0	1.3	2.5	2.5	0.0	1.2	1.3	0.0	0.0	0.0	0.0	0.0
ALL CAUSES	102.7	100.3	116.2	97.2	83.3	75.0	68.6	72.7	90.5	62.1	68.4	-33.4
(Number of all deaths)	(76)	(76)	(92)	(77)	(67)	(61)	(51)	(54)	(66)	(45)	(48)	(-36.8)
TOTAL												
Accidents (unintentional injuries)	40.5	34.3	43.3	36.4	25.9	22.1	18.4	19.8	22.5	18.3	15.2	-62.4
Motor vehicle accidents	30.7	25.0	34.2	26.8	17.3	11.0	10.0	12.5	15.8	10.8	10.1	-67.0
Other	9.8	9.3	9.1	9.6	8.6	11.2	8.4	0.9	6.6	7.4	5.1	-48.3
Intentional self-harm (suicide)	11.8	14.1	13.0	8.5	12.4	10.7	8.4	10.8	10.3	6.8	10.8	-8.5
Assault (homicide)	10.8	15.0	18.0	13.3	13.7	9.0	6.7	6.2	4.9	6.6	3.5	-67.3
Malignant neoplasms	4.6	2.8	3.4	3.8	4.6	3.3	2.6	3.2	2.4	3.0	3.3	-28.1
Diseases of heart	1.2	1.4	1.6	1.8	0.9	1.3	1.5	1.1	0.0	0.6	1.1	-8.1
ALL CAUSES	80.8	80.1	93.8	76.9	65.7	55.9	47.7	49.7	47.1	45.5	46.5	-42.4
(Number of all deaths)	(337)	(346)	(412)	(342)	(297)	(255)	(220)	(231)	(220)	(214)	(211)	(-37.4)

Notes: [a] Number of deaths per 100,000 adolescents 15-19 years old; [b] The five causes with the greatest number of deaths over the 2004-2014 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; 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 2004-2014 are classified by ICD-10; 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***.

TABLE 2C-13
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2004-2014

Area/Gender	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Male	105.1	112.7	121.7	97.9	84.3	73.8	62.8	62.2	50.8	62.0	59.8	-43.1
Female	44.2	36.1	54.2	45.3	36.8	27.6	23.4	27.4	26.1	21.7	24.2	-45.3
TOTAL	75.8	75.8	88.9	72.5	61.4	51.5	43.6	45.3	38.8	42.4	42.5	-43.9
RURAL												
Male	127.9	142.5	162.3	125.2	109.0	112.6	104.9	94.6	123.3	91.4	85.8	-32.9
Female	74.5	54.8	67.5	57.6	56.2	35.4	30.3	49.6	53.3	31.2	50.0	-32.9
TOTAL	102.7	100.3	116.2	97.2	83.3	75.0	68.6	72.7	90.5	62.1	68.4	-33.4
TOTAL												
Male	109.5	118.5	129.1	102.7	89.1	81.1	69.5	67.4	62.5	66.5	63.8	-41.7
Female	49.8	39.4	56.6	49.3	40.7	29.0	24.5	31.0	30.3	23.2	28.2	-43.4
TOTAL	80.8	80.1	93.8	76.9	65.7	55.9	47.7	49.7	47.1	45.5	46.5	-42.4

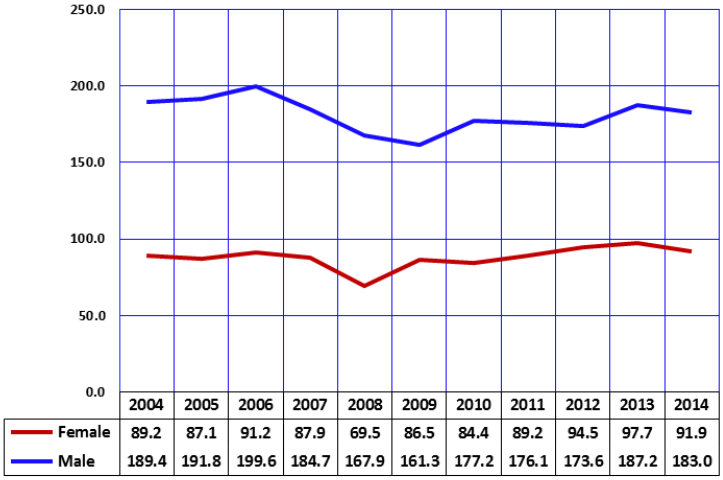
Notes: [a] Rates are presented per 100,000 children 15-19 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

TABLE 2C-14
LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2014

Cause of death	Total	Gender		Area[a]		Race/ethnicity				
		Male	Female	Urban	Rural	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Accidents (unintentional injury)	70†	52	17	48	21	27	26	*	12	*
Motor vehicle accidents	50†	35	11	34	12	14	20	*	10	*
Accidental poisoning	10†	8	*	6	6	7	*	0	*	0
Accidental drowning and submersion	0†	*	*	*	*	*	*	0	*	0
Intentional self-harm (suicide)	50†	37	12	37	12	28	13	*	6	0
By other means	20†	18	*	17	*	18	*	0	0	0
By discharge of firearms	30†	19	10	20	9	10	11	*	6	0
Assault (homicide)	20†	10	6	14	*	*	9	*	*	0
By discharge of firearms	20†	10	*	14	*	*	9	*	*	0
By other means	0†	0	*	0	*	0	0	0	*	0
Malignant neoplasms	20†	6	9	14	*	8	6	0	0	*
Symptoms, signs, abnormal findings	10†	6	*	6	*	*	*	*	0	0
Diseases of the heart	10†	*	*	*	0	*	*	0	*	0
Total, all causes[b]	211	149	62	163	48	98	75	12	24	2

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; b May include other causes of death not shown above.

Figure 2C-13
Mortality Rates[a] by Gender and Year among Young Adults 20-44 Years, Arizona, 2004-2014



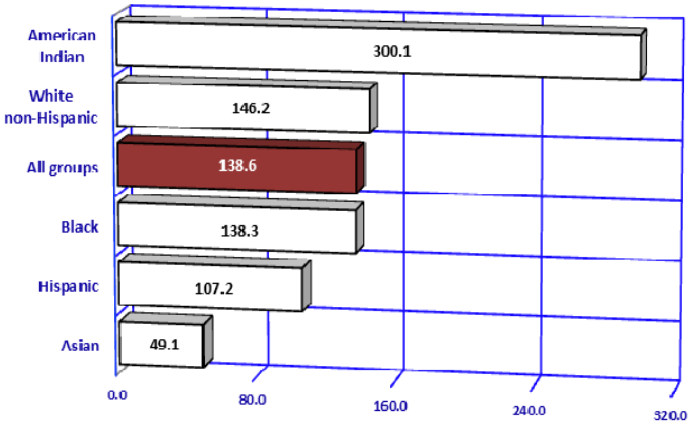
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	89.2	87.1	91.2	87.9	69.5	86.5	84.4	89.2	94.5	97.7	91.9
Male	189.4	191.8	199.6	184.7	167.9	161.3	177.2	176.1	173.6	187.2	183.0

Note: [a] Number of deaths per 100,000 persons, 20-44 years old in specified group.

In 2014, 33.1 percent of Arizona residents were between 20 and 44 years of age. Among the six developmental periods examined in the life span, young adulthood, with an estimated 2.2 million individuals, easily represented the largest segment of the population. However, only 6.0 percent of all deaths occurred during young adulthood.

The number of deaths among young adults rose less than 2 percent from 2004 to 2014. Compared to 2013, the young adult mortality rate decreased for both male and female , but more so among young adult females (5.9 percent) than young adult males (2.2 percent) .(**Figure 2C-13**, **Table 2C-15**).

Figure 2C-14
Mortality Rates[a] by Race/Ethnicity among Young Adults 20-44 Years, Arizona, 2014

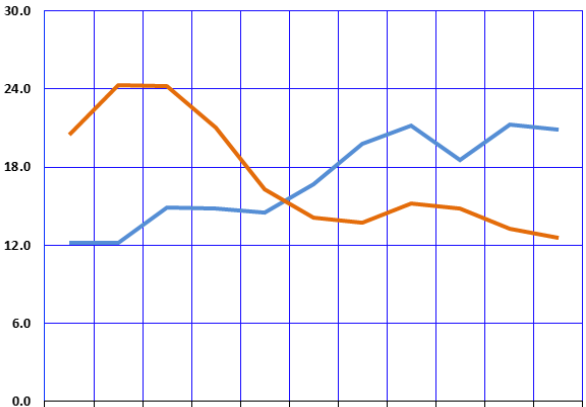


Note: [a] Number of deaths per 100,000 persons, 20-44 years old in specified group.

The rank order of survival chances of young adults from best to worse by race/ethnicity in 2014 was Asian, Hispanic or Latino, Black or African American, White non-Hispanic and American Indian. American Indian young adults had a mortality rate 2.1 times greater than White non-Hispanic adults, the racial/ethnic group with the second highest young adult mortality rate. The American Indian young adult mortality rate was 2.2 times greater than the state average for young adults and 6.1 times greater than Asian young adults.

In 2014, 462 deaths of young adults were attributed to accidental poisoning (**Table 2C-18**), compared to roughly slightly the same number of deaths in 2013. The mortality rate for accidental poisoning among young adults (20.9/100,000) exceeded the mortality rate for motor vehicle-related injuries for the sixth straight year (**Figure 2C-15**). Among the young adults 20-44 years, 413 of the 462 accidental poisoning were due to drug overdose (ICD10 X40-44) and 38 were due to alcohol poisoning (ICD10 X45).

Figure 2C-15
Mortality Rates[a] for Motor Vehicle-Related Injuries and Accidental Poisoning by Year among Young Adults 20-44 Years, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Accidental Poisoning	12.2	12.2	14.9	14.8	14.5	16.7	19.8	21.2	18.5	21.3	20.9
MV accident	20.5	24.3	24.2	21.0	16.3	14.1	13.7	15.2	14.9	13.3	12.6

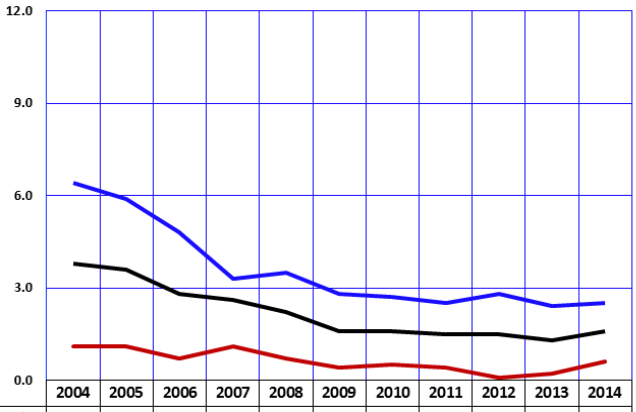
Note: [a] Number of motor vehicle and accidental poisoning deaths per 100,000 persons, 20-44 years old in specified group.

In 2014, more Arizonans 20-44 years old died from the *human immunodeficiency virus (HIV) disease* than from *morbid obesity* (**Table 2C-18**).

Of the 104 deaths from *HIV disease* in 2014, about 34 percent occurred among Arizonans 20-44 years old (**Table 2C-27**). Males accounted for 80.0 percent of young adult deaths from *HIV disease* in 2014 (**Table 2C-18**).

The mortality rate for HIV disease among young male adults increased 4.2 percent from 2.4/100,000 adults 20-44 years in 2013 to 2.5/100,000 in 2014

Figure 2C-16
Mortality Rates[a] for HIV Disease by Gender and Year among Young Adults 20-44 Years, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	1.1	1.1	0.7	1.1	0.7	0.4	0.5	0.4	0.1	0.2	0.6
Male	6.4	5.9	4.8	3.3	3.5	2.8	2.7	2.5	2.8	2.4	2.5
Both	3.8	3.6	2.8	2.6	2.2	1.6	1.6	1.5	1.5	1.3	1.6

Note: [a] Number of HIV deaths per 100,000 persons, 20-44 years old in specified group.

TABLE 2C-15
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY GENDER, ARIZONA, 2004-2014

Gender/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
MALE												
Accidents (unintentional injuries)	54.8	63.2	69.2	60.6	54.4	53.7	52.6	57.9	52.8	56.7	54.3	-1.0
Other	27.0	29.0	34.7	31.4	30.6	33.4	27.5	8.7	31.2	38.0	35.9	32.9
Motor vehicle accidents	27.8	34.2	34.5	29.2	23.8	20.2	19.8	20.6	21.6	18.7	18.4	-33.9
Intentional self-harm (suicide)	28.3	28.3	27.4	30.3	23.5	25.1	31.5	32.4	29.0	30.8	28.7	1.5
Diseases of heart	15.4	15.3	15.9	14.3	13.3	14.0	11.7	14.7	13.5	14.2	14.0	-9.3
Assault (homicide)	23.7	24.7	24.2	22.8	19.2	13.4	20.1	18.2	16.1	16.1	13.3	-44.1
Malignant neoplasms	14.0	11.9	11.0	11.3	12.6	12.0	12.8	11.0	12.3	13.4	11.2	-19.8
ALL CAUSES	189.4	191.8	199.6	184.7	167.9	161.3	177.2	176.1	173.6	187.2	183.0	-3.4
(Number of all deaths)	(2091)	(2185)	(2290)	(2166)	(2001)	(1944)	(1920)	(1923)	(1910)	(2082)	(2071)	(-1.0)
FEMALE												
Accidents (unintentional injuries)	21.8	24.9	25.0	25.2	20.4	20.8	22.4	25.2	22.8	24.5	21.3	-2.1
Other	9.1	11.1	11.9	13.0	12.1	13.3	15.0	2.1	15.1	16.9	14.7	62.1
Motor vehicle accidents	12.7	13.8	13.1	12.2	8.3	7.5	7.4	9.7	7.7	7.6	6.6	-48.1
Malignant neoplasms	18.2	13.4	16.4	15.5	13.7	15.9	14.0	15.7	17.6	17.4	14.0	-23.0
Intentional self-harm (suicide)	7.2	7.5	7.0	7.1	6.0	9.4	6.8	8.9	8.7	9.6	9.0	25.0
Diseases of heart	6.6	7.8	5.0	6.7	5.8	6.7	4.6	6.4	7.0	5.6	6.6	-0.2
Assault (homicide)	4.5	3.7	4.0	4.7	3.2	4.0	3.5	2.4	4.3	3.4	2.9	-36.1
ALL CAUSES	89.2	87.1	91.2	87.9	69.5	86.5	84.4	89.2	94.5	97.7	91.9	3.0
(Number of all deaths)	(922)	(936)	(968)	(954)	(828)	(973)	(876)	(933)	(990)	(1033)	(991)	7.5
TOTAL												
Accidents (unintentional injuries)	38.8	44.6	47.9	43.6	38.0	37.8	37.8	41.9	38.2	41.0	38.2	-1.6
Other	18.3	20.3	23.7	22.6	21.7	23.7	24.1	5.5	23.3	27.7	25.6	39.7
Motor vehicle accidents	20.5	24.3	24.2	21.0	16.3	14.1	13.7	15.2	14.9	13.3	12.6	-38.4
Intentional self-harm (suicide)	18.1	18.2	17.6	19.1	15.0	17.5	19.4	20.9	19.1	20.5	19.1	5.5
Malignant neoplasms	16.0	12.6	13.6	13.3	9.7	13.9	13.4	13.3	14.9	15.3	12.6	-21.4
Diseases of heart	11.1	11.7	10.7	10.7	11.5	10.5	8.2	10.6	10.3	10.0	10.4	-6.6
Assault (homicide)	14.5	14.5	14.5	14.1	13.1	8.8	12.0	10.5	10.3	9.9	8.2	-43.5
ALL CAUSES	141.0	140.9	147.5	138.2	123.0	125.2	131.8	133.6	135.0	143.5	138.6	-1.7
(Number of all deaths)	(3013)	(3121)	(3258)	(3120)	(2829)	(2917)	(2796)	(2856)	(2900)	(3115)	(3062)	1.6

Notes: [a] Rates are presented per 100,000 persons 20-44 years old; [b] The five causes with the greatest number of deaths over the 2004-2014 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2004-2014 are classified by ICD-10, replacing the Ninth Revision (ICD-9); 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***.

TABLE 2C-16
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2004-2014

Area/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Accidents (unintentional injuries)	35.5	40.2	44.8	38.7	34.4	32.7	33.5	36.6	32.3	35.4	33.8	-4.7
Other	18.0	19.1	23.6	21.0	20.2	21.5	22.0	4.3	20.2	23.9	22.7	26.2
Motor vehicle accidents	17.5	21.1	21.2	17.7	14.2	11.2	11.5	12.4	12.1	11.5	11.1	-36.6
Intentional self-harm (suicide)	16.2	16.8	16.2	18.0	16.4	13.6	17.7	18.1	17.0	18.3	16.8	3.9
Malignant neoplasms	16.0	11.8	13.5	12.9	14.2	15.6	13.3	13.5	14.1	15.3	12.7	-20.5
Diseases of heart	10.6	11.9	10.0	9.9	8.9	8.7	8.0	9.6	9.5	9.3	9.7	-8.1
Assault (homicide)	15.2	14.9	15.1	14.3	13.2	9.7	11.0	10.0	9.5	9.4	8.1	-46.5
ALL CAUSES	132.2	133.0	139.3	129.8	113.6	113.0	119.7	120.3	118.8	130.1	126.2	-4.5
(Number of all deaths)	(2426)	(2532)	(2640)	(2511)	(2239)	(2203)	(2203)	(2232)	(2215)	(2451)	(2422)	(-0.2)
RURAL												
Accidents (unintentional injuries)	58.9	72.0	66.9	73.2	57.1	64.7	63.9	71.9	74.4	74.9	61.2	4.0
Other	20.5	27.8	24.5	32.7	29.2	35.4	36.9	10.3	42.7	50.8	39.6	93.0
Motor vehicle accidents	38.4	44.2	42.4	40.5	28.0	29.4	27.0	33.0	31.7	24.2	21.7	-43.6
Intentional self-harm (suicide)	29.5	26.8	25.5	25.6	20.4	29.1	30.2	37.6	32.4	33.6	32.3	9.6
Diseases of heart	14.2	10.0	15.0	15.1	9.4	15.0	9.6	16.7	14.5	14.0	14.4	1.7
Malignant neoplasms	15.9	17.8	14.0	16.1	12.5	15.9	13.8	12.0	19.0	15.4	11.4	-28.6
Assault (homicide)	9.9	12.6	11.2	12.7	14.6	7.8	16.0	12.8	14.8	13.0	7.2	-27.0
ALL CAUSES	194.3	189.9	196.9	188.1	174.2	191.6	203.7	210.2	233.4	226.5	207.1	6.6
(Number of all deaths)	(587)	(588)	(618)	(609)	(590)	(662)	(574)	(593)	(662)	(647)	(602)	2.6
TOTAL												
Accidents (unintentional injuries)	38.8	44.6	47.9	43.6	38.0	37.8	37.8	41.9	38.2	41.0	38.2	-1.6
Other	18.3	20.3	23.7	22.6	21.7	23.7	24.1	5.5	23.3	27.7	25.6	39.7
Motor vehicle accidents	20.5	24.3	24.2	21.0	16.3	14.1	13.7	15.2	14.9	13.3	12.6	-38.4
Intentional self-harm (suicide)	18.1	18.2	17.6	19.1	15.0	17.5	19.4	20.9	19.1	20.5	19.1	5.5
Malignant neoplasms	16.0	12.6	13.6	13.3	9.7	13.9	13.4	13.3	14.9	15.3	12.6	-21.4
Diseases of heart	11.1	11.7	10.7	10.7	11.5	8.8	8.2	10.6	10.3	10.0	10.4	-6.6
Assault (homicide)	14.5	14.5	14.5	14.1	13.1	10.5	12.0	10.5	10.3	9.9	8.2	-43.5
ALL CAUSES	141.0	140.9	147.5	138.2	123.0	125.2	131.8	133.6	135.0	143.5	138.6	-1.7
(Number of all deaths)	(3013)	(3121)	(3258)	(3120)	(2829)	(2917)	(2796)	(2856)	(2900)	(3115)	(3062)	1.6

Notes: [a] Rates are presented per 100,000 young adults 20-44 years old; [b] The five causes with the greatest number of deaths statewide over the 2004-2014 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; 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 2004-2014 are classified by ICD-10, replacing the Ninth Revision (ICD-9); 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***.

TABLE 2C-17
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS)
BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2004-2014

Area/Gender	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Male	176.7	181.5	188.7	172.2	154.2	143.9	159.4	158.7	154.0	169.0	165.6	-6.3
Female	84.4	81.0	85.3	83.6	69.4	79.5	78.4	80.3	81.9	89.2	85.1	0.8
TOTAL	132.2	133.0	139.3	129.8	113.6	113.0	119.7	120.3	118.8	130.1	126.2	-4.5
RURAL												
Male	266.5	256.4	266.4	261.2	244.4	258.9	281.0	271.6	288.4	296.4	278.8	4.6
Female	118.0	123.0	125.1	112.7	102.9	123.5	121.6	144.8	174.6	151.6	130.0	10.1
TOTAL	194.3	189.9	196.9	188.1	174.2	191.6	203.7	210.2	233.4	226.5	207.1	6.6
TOTAL												
Male	189.4	191.8	199.6	184.7	167.9	161.3	177.2	176.1	173.6	187.2	183.0	-3.4
Female	89.2	87.1	91.2	87.9	69.5	86.5	84.4	89.2	94.5	97.7	91.9	3.0
TOTAL	141.0	140.9	147.5	138.2	123.0	125.2	131.8	133.6	135.0	143.5	138.6	-1.7

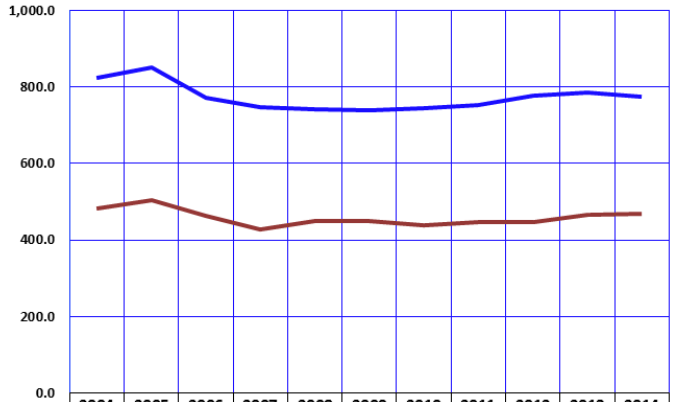
Notes: [a] Rates are presented per 100,000 persons 20-44 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

TABLE 2C-18
LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2014

Cause of death	Total[b]	Gender		Area[a]			Race/ethnicity				
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Accidents (unintentional injury)	844	614	230	649	178	17	437	217	34	143	13
Accidental poisoning	462	327	135	370	82	10	278	107	18	53	6
Motor vehicle accidents	279	208	71	213	63	*	117	83	10	63	6
Intentional self-harm (suicide)	422	325	97	323	94	*	286	70	19	36	11
By discharge of firearms	210†	169	42	164	45	*	154	36	10	7	*
By other means	211	156	55	159	49	*	132	34	9	29	7
Malignant neoplasms	278	127	151	244	33	*	153	87	17	11	10
Malignant neoplasm of breast	40†	*	42	38	*	0	25	10	6	0	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	40†	24	14	35	*	0	20	14	0	*	*
Malignant neoplasm of meninges, brain and other parts of central nervous system	30†	18	14	29	*	0	18	8	*	*	*
Diseases of heart	230†	158	71	187	42	0	134	44	20	28	*
Assault (homicide)	180†	150	31	156	21	*	54	80	25	21	*
By discharge of firearms	140†	115	21	123	12	*	34	66	24	11	*
By other means	50†	35	10	33	9	*	20	14	*	10	0
Chronic liver disease and cirrhosis	110†	76	38	80	34	0	49	20	*	42	0
Diabetes	70†	49	23	63	9	0	36	18	*	14	0
Human immunodeficiency virus (HIV) disease	40†	28	7	32	*	0	16	10	*	*	*
Cerebrovascular diseases	30†	17	14	29	*	0	11	14	*	*	*
Obesity	30†	20	11	25	6	0	15	11	*	*	*
Total, all causes	3,062	2,071	991	2,422	602	38	1,645	752	184	426	53

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; [b] Records with unknown urban or rural residence of the decedent are not shown separately but are included in the total.

Figure 2C-17
Mortality Rates[a] by Gender and Year among Middle-Aged Adults 45-64 Years, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	482.7	504.6	464.1	426.7	448.4	448.6	439.6	447.1	445.8	465.2	468.9
Male	823.9	852.1	772.8	746.4	741.9	738.1	744.1	752.2	778.8	784.8	775.3

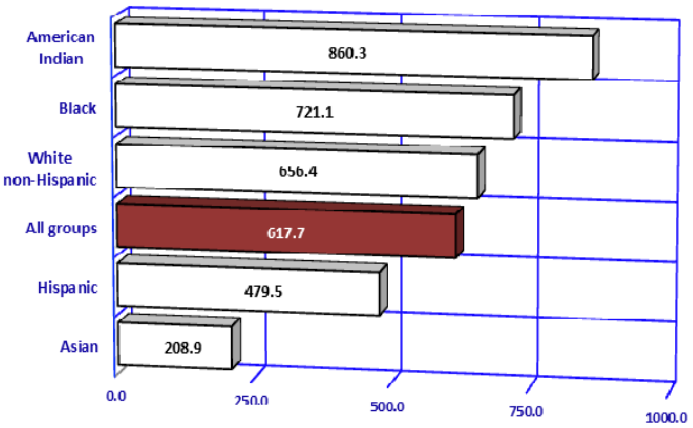
Note: [a] Number of deaths per 100,000 persons, 20-44 years old in specified group.

In 2014, the 1,622,954 middle-aged adult residents aged 45 to 64 experienced 10,025 deaths, or an average of 27 deaths, per day. The total number of deaths among 45 – 64 year old Arizona residents was higher in 2014 than any year since 1980, and is likely the greatest number of deaths among this age group in Arizona's history (**Table 2C-19**).

The 2014 total mortality rate among middle-age females was 2.9 percent lower, and among middle-aged males 5.9 percent lower than their respective rates in 2004 (**Figure 2C-17**, **Table 2C-19**). In 2014, the mortality rate for males age 45 - 64 was 65.3 percent greater than for females of the same age group.

The five causes with the greatest number of deaths in 2004-2014 were *malignant neoplasms*, *diseases of heart*, *accidents*, *chronic liver disease and cirrhosis*, and *chronic lower respiratory diseases* (**Table 2C-19**).

Figure 2C-18
Mortality Rates[a] by Race/Ethnicity among Middle-Aged Adults 45-64 Years, Arizona, 2014



Note: [a] Number of deaths per 100,000 persons, 20-44 years old in specified group.

American Indian, Black or African American, and White non-Hispanic middle-aged adults had the three highest mortality rates (860.3/100,000, 721.1/100,000, and 656.4/100,000, respectively) among the racial/ethnic groups.

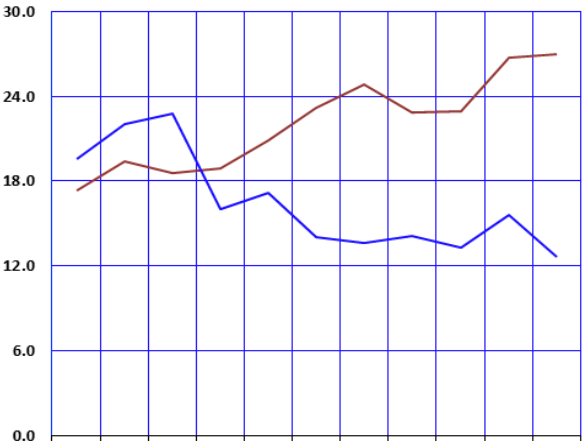
If the 2014 total mortality rate for Asian middle-aged adults applied to all Arizona residents 45-64 years old, 3,390 middle-aged adults would have died rather than the 10,025 who actually did.

Middle-aged adult mortality (ages 45-64 years)

In recent years, middle-aged adults experienced an unprecedented increase in mortality from accidental poisoning. The 2014 mortality rates due to accidental poisoning was 27.0 per 100,000 adults aged 45-65 years, an increase of 1.1 percent from 2013. In 2014, about 440 deaths were attributed to accidental poisoning (**Table 2C-22**), compared to 267 deaths in 2004. Of the accidental poisoning deaths in this age group, 406 were drug overdoses (ICD10 X40-X44) and 28 were alcohol poisoning (ICD10 X45).

Beginning in 2007, the mortality rate for accidental poisoning exceeded the mortality rate for motor vehicle-related injuries among the middle-aged (**Figure 2C-19**). In 2014, accidental poisoning mortality rate of 27.0 per 100,000 middle-aged adults was 2.14 times fold higher than the mortality rate of 12.6 per 100,000 for motor vehicle accidents. White non-Hispanics accounted for about 79 percent of all accidental poisoning deaths (**Table 2C-22**).

Figure 2C-19
Mortality Rates[a] for Accidental Poisoning and Motor Vehicle-related Injuries by Year among Middle-Aged Adults 45-64 Years, Arizona, 2004-2014

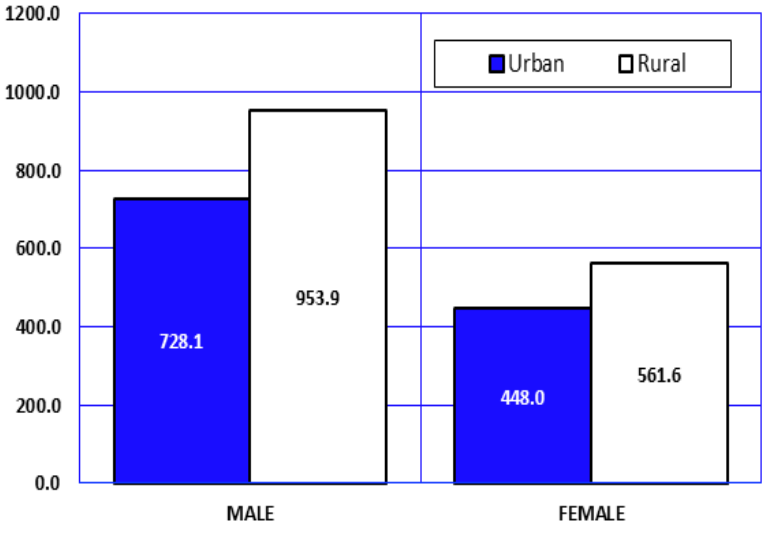


	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Accidental Poisoning	17.3	19.4	18.6	18.9	20.9	23.2	24.8	22.9	23.0	26.7	27.0
MV accident	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	13.3	15.6	12.6

Note: [a] Number of motor vehicle and accidental poisoning deaths per 100,000 persons, 20-44 years old in specified group.

In 2014, as in the past, rural middle-aged males had the poorest survival chances (**Figure 2C-20, Table 2C-21**). The mortality rate for rural middle-aged males in 2014 was 31.0 percent greater than for urban males, 69.9 percent greater than rural females, and 112.9 percent (1.6 times) greater than urban females.

Figure 2C-20
Mortality Rates by Gender in Urban[a] and Rural Areas among Middle-Aged Adults 45-64 Years, Arizona, 2014



Note: [a] Urban counties include Maricopa, Pima, Pinal, and Yuma counties.

TABLE 2C-19
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY GENDER, ARIZONA, 2004-2014

Gender/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
MALE												
Malignant neoplasms	213.1	210.6	192.1	192.1	184.5	182.2	188.3	186.3	196.6	191.4	171.5	-19.5
Diseases of heart	196.7	207.5	186.7	170.8	175.5	169.0	160.7	165.3	155.1	159.3	143.2	-27.2
Accidents (unintentional injuries)	75.7	86.2	81.2	73.2	76.5	71.9	69.2	68.9	68.0	77.9	73.5	-3.0
Other	48.0	52.5	49.3	50.1	51.9	51.1	54.6	19.8	47.9	54.5	54.0	12.6
Motor vehicle accidents	27.7	33.7	31.9	23.1	24.6	20.8	19.9	21.4	20.1	23.3	19.4	-29.9
Chronic liver disease and cirrhosis	42.3	45.1	34.4	35.5	39.2	38.0	42.1	49.6	50.2	46.7	43.1	2.0
Suicide	31.6	32.7	31.9	35.0	35.1	37.0	40.9	41.3	41.8	38.3	37.7	19.2
ALL CAUSES	823.9	852.1	772.8	746.4	741.9	738.1	744.1	752.2	778.8	784.8	775.3	-5.9
(Number of all deaths)	(4906)	(5232)	(5282)	(5397)	(5450)	(5472)	(5659)	(5760)	(5999)	(6088)	(6111)	24.6
FEMALE												
Malignant neoplasms	179.4	182.3	166.2	154.7	151.4	154.2	153.9	156.9	155.1	160.7	145.0	-19.2
Diseases of heart	74.8	74.2	66.4	65.0	63.4	59.4	55.9	61.8	60.5	54.6	54.0	-27.8
Accidents (unintentional injuries)	29.6	33.1	35.8	30.2	34.2	36.1	36.6	32.8	33.0	38.0	33.7	13.7
Other	17.8	22.2	21.6	21.0	24.2	28.5	29.0	7.4	26.1	29.8	27.4	54.1
Motor vehicle accidents	11.8	10.9	14.2	9.2	10.0	7.6	7.7	7.1	6.9	8.2	6.2	-47.2
Chronic lower respiratory diseases	18.5	25.4	21.6	23.6	24.3	19.2	19.3	21.6	24.2	24.8	24.8	34.1
Diabetes	19.0	20.1	19.1	14.0	16.0	14.2	17.0	21.3	22.3	23.6	22.8	19.8
ALL CAUSES	482.7	504.6	464.1	426.7	448.4	448.6	439.6	447.1	445.8	465.2	468.9	-2.9
(Number of all deaths)	(3022)	(3292)	(3336)	(3232)	(3449)	(3483)	(3553)	(3638)	(3631)	(3810)	(3914)	29.5
TOTAL												
Malignant neoplasms	195.8	196.0	178.8	173.0	167.6	167.9	170.6	171.2	175.2	175.6	157.9	-19.4
Diseases of heart	134.2	138.8	125.0	116.6	118.2	112.9	106.7	112.0	106.5	105.5	97.4	-27.5
Accidents (unintentional injuries)	52.1	58.8	57.9	51.2	54.9	53.6	52.4	50.3	50.0	57.4	53.0	1.7
Other	32.5	36.8	35.1	35.2	37.7	39.5	38.8	13.4	36.7	41.8	40.4	24.2
Motor vehicle accidents	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	13.3	15.6	12.6	-35.6
Chronic liver disease and cirrhosis	28.9	31.8	25.0	25.3	29.7	29.1	30.2	34.3	35.0	34.7	33.6	16.4
Chronic lower respiratory diseases	21.4	26.8	22.7	21.8	24.7	21.5	20.0	23.6	25.1	24.7	25.4	18.6
ALL CAUSES	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	607.6	620.7	617.7	-4.8
(Number of all deaths)	(7928)	(8524)	(8618)	(8629)	(8899)	(8855)	(9212)	(9398)	(9630)	(9898)	(10025)	26.5

Notes: [a] Rates are presented per 100,000 middle-aged adults 45-64 years old; [b] The five causes with the greatest number of deaths over the 2004-2013 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2004-2014 are classified by ICD-10; 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*** .

TABLE 2C-20
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2004-2014

Area/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Malignant neoplasms	188.9	190.5	174.8	169.6	162.8	165.4	164.6	166.5	171.8	169.1	153.8	-18.6
Diseases of heart	127.0	132.5	119.9	109.4	109.8	101.3	98.6	103.9	95.9	96.5	89.5	-29.5
Accidents (unintentional injuries)	47.6	55.7	54.2	47.8	51.6	48.8	47.5	45.4	47.6	51.5	47.3	-0.6
Other	30.6	37.0	34.5	34.1	36.8	37.3	36.5	12.4	35.7	38.5	36.7	19.8
Motor vehicle accidents	17.0	18.7	19.7	13.7	14.8	11.5	11.1	11.9	11.9	13.0	10.6	-37.4
Chronic liver disease and cirrhosis	25.2	30.0	23.3	23.0	27.4	25.7	27.2	30.8	31.5	29.9	31.5	25.1
Chronic lower respiratory diseases	21.9	25.8	22.3	20.5	23.6	20.2	19.2	20.6	22.9	22.6	23.4	7.0
ALL CAUSES	620.7	647.8	595.0	559.7	559.5	559.4	552.4	561.5	575.8	579.8	584.2	-5.9
(Number of all deaths)	(6140)	(6658)	(6834)	(6812)	(6918)	(6979)	(7098)	(7274)	(7513)	(7631)	(7855)	27.9
RURAL												
Malignant neoplasms	225.2	219.6	197.0	188.3	188.1	176.9	193.1	186.3	187.8	204.7	175.4	-22.1
Diseases of heart	164.5	165.9	148.1	149.6	156.0	164.3	137.4	143.7	152.5	142.2	133.3	-19.0
Accidents (unintentional injuries)	71.0	72.5	74.9	65.3	68.1	71.4	66.2	67.6	55.3	75.8	73.3	3.2
Other	40.4	36.5	37.9	38.7	40.8	46.6	42.6	16.5	36.4	51.7	52.8	30.7
Motor vehicle accidents	30.6	36.0	37.0	26.6	27.3	24.8	23.6	22.5	18.9	24.1	20.5	-33.1
Chronic liver disease and cirrhosis	44.8	39.8	32.3	36.1	39.6	43.3	41.9	49.3	47.5	57.1	41.7	-7.0
Chronic lower respiratory diseases	18.9	31.4	24.8	28.1	29.5	27.4	22.2	36.3	33.2	32.3	34.1	80.6
ALL CAUSES	768.9	781.4	702.9	687.3	727.8	713.2	708.3	716.6	720.2	786.8	751.4	-2.3
(Number of all deaths)	(1786)	(1865)	(1784)	(1810)	(1946)	(1927)	(2010)	(2035)	(2017)	(2191)	(2091)	17.1
TOTAL												
Malignant neoplasms	195.8	196.0	178.8	173.0	167.6	167.9	170.6	171.2	175.2	175.6	157.9	-19.4
Diseases of heart	134.2	138.8	125.0	116.6	118.2	112.9	106.7	112.0	106.5	105.5	97.4	-27.5
Accidents (unintentional injuries)	52.1	58.8	57.9	51.2	54.9	53.6	52.4	50.3	50.0	57.4	53.0	1.7
Other	32.5	36.8	35.1	35.2	37.7	39.5	38.8	13.4	36.7	41.8	40.4	24.2
Motor vehicle accidents	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	13.3	15.6	12.6	-35.6
Chronic liver disease and cirrhosis	28.9	31.8	25.0	25.3	29.7	29.1	30.2	34.3	35.0	34.7	33.6	16.4
Chronic lower respiratory diseases	21.4	26.8	22.7	21.8	24.7	21.5	20.0	23.6	25.1	24.7	25.4	18.6
ALL CAUSES	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	607.6	620.7	617.7	-4.8
(Number of all deaths)	(7928)	(8524)	(8618)	(8629)	(8899)	(8855)	(9212)	(9398)	(9630)	(9898)	(10025)	26.5

Notes: [a] Rates are presented per 100,000 middle-aged adults 45-64 years old; [b] The five causes with the greatest number of deaths over the 2004-2014 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; 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 2004-2014 are classified by ICD-10; 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*** .

TABLE 2C-21
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2004-2014

Area/Gender	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Male	788.6	815.2	749.3	714.7	693.2	697.6	690.0	703.5	724.9	726.0	728.1	-7.7
Female	461.1	490.0	447.6	410.8	431.1	426.5	423.0	427.8	434.7	441.0	448.0	-2.8
TOTAL	620.7	647.8	595.0	559.7	559.5	559.4	552.4	561.5	575.8	579.8	584.2	-5.9
RURAL												
Male	972.3	1010.8	879.7	891.7	953.6	896.8	924.9	918.6	968.7	1018.5	953.9	-1.9
Female	575.1	567.2	536.9	497.7	518.4	543.0	504.0	526.1	486.1	568.8	561.6	-2.3
TOTAL	768.9	781.4	702.9	687.3	727.8	713.2	708.3	716.6	720.2	786.8	751.4	-2.3
TOTAL												
Male	823.9	852.1	772.8	746.4	741.9	738.1	744.1	752.2	778.8	784.8	775.3	-5.9
Female	482.7	504.6	464.1	426.7	448.4	448.6	439.6	447.1	445.8	465.2	468.9	-2.9
TOTAL	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	607.6	620.7	617.7	-4.8

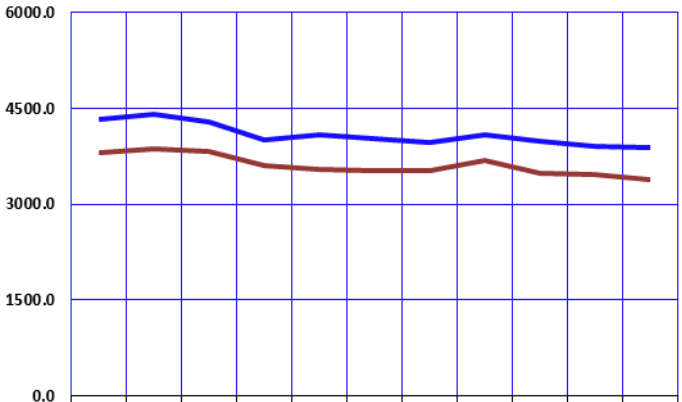
Notes: [a] Rates are presented per 100,000 persons 45-64 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information.

TABLE 2C-22
LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2014

Cause of death	Total	Gender		Area[a]			Race/ethnicity				
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Malignant neoplasms	2,562	1,352	1,210	2,068	488	6	1,937	389	110	77	49
Malignant neoplasm of trachea, bronchus and lung	534	287	247	427	106	*	454	43	22	6	9
Malignant neoplasm of breast	250†	*	247	198	53	0	175	48	17	6	*
Malignant neoplasm of colon, rectum, and anus	240†	130	106	194	42	0	174	39	12	*	6
Malignant neoplasm of pancreas	160†	97	66	137	26	0	124	26	6	6	*
Diseases of heart	1,580	1,129	451	1,204	371	*	1,189	223	101	48	19
Accidents (unintentional injury)	860†	579	281	636	204	20	612	116	35	95	*
Accidental poisoning	440†	264	174	339	91	8	348	41	24	24	*
Motor vehicle accidents	205	153	52	143	57	*	112	44	7	42	0
Falls	100†	65	30	71	20	*	66	19	0	9	*
Chronic liver disease and cirrhosis	550†	340	206	424	116	6	310	126	14	92	*
Diabetes	510†	324	190	430	82	*	300	127	28	56	*
Chronic lower respiratory diseases	410†	205	207	315	95	*	360	23	17	8	*
Intentional self-harm (suicide)	400†	297	99	306	89	*	335	42	8	*	7
By discharge of firearms	220†	186	37	171	52	0	198	21	*	*	*
By other means	170†	111	62	135	37	*	137	21	6	*	6
Cerebrovascular diseases	220†	131	88	165	51	*	136	44	22	12	*
Viral hepatitis	200†	141	55	164	29	*	128	43	12	11	*
Essential (primary) hypertension and hypertensive renal disease	130†	72	57	112	17	0	83	20	15	8	*
Influenza and pneumonia	110†	63	45	82	24	*	68	27	*	10	0
Septicemia	70†	31	34	47	18	0	35	16	*	9	0
Assault (homicide)	60†	46	18	55	6	*	37	12	10	*	0
By discharge of firearms	30†	25	9	29	*	*	20	*	8	*	0
By other means	30†	21	9	26	*	*	17	7	*	*	0
Human immunodeficiency virus (HIV) disease	60†	52	6	53	*	*	35	12	9	*	0
Nephritis, nephrotic syndrome and nephrosis	60†	35	22	28	29	0	34	12	*	9	*
Total, all causes	10,025	6,111	3,914	7,855	2,091	79	7,202	1,574	497	637	114

Note: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas.

Figure 2C-21
Mortality Rates[a] by Gender and Year among Elderly 65 Years and Older, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	3796.9	3856.6	3828.7	3597.1	3544.8	3515.6	3521.7	3681.4	3489.9	3468.6	3378.3
Male	4338.0	4401.4	4282.4	4002.8	4095.0	4025.9	3974.9	4083.3	3987.4	3904.2	3883.3

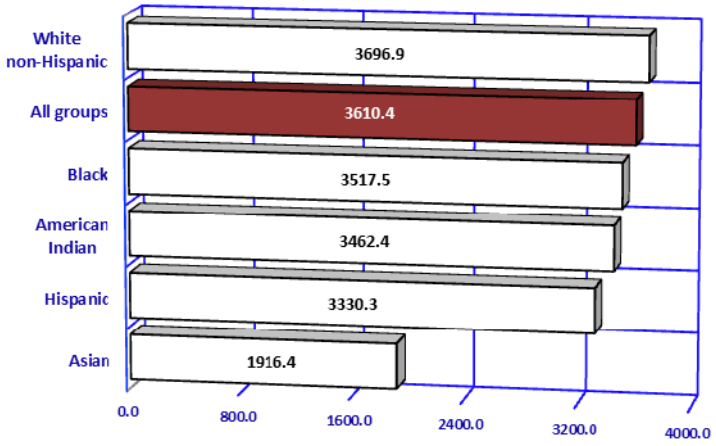
Note: [a] Number of deaths per 100,000 persons, 65+ years old in specified group.

In 2014, an estimated 1,025,105 residents age 65 years and older resided in the State (**Table 10A-1**). No other age group has as great a disproportionate gender distribution as the elderly. As a result of the higher total mortality rates for males at earlier ages, 15.0 percent more elderly women than men were alive in 2014.

The 2014 elderly mortality rate of 3,610.4 per 100,000 was 10.6 percent lower than the 2004 rate of 4,038.0 and was the lowest mortality rate among the elderly since 1980, and likely the lowest mortality rate amongst this age group in Arizona's record (**Table 2C-23**).

The 2014 total mortality rate among elderly females was 11.0 percent lower than their rate in 2004. The mortality rate among elderly males decreased 10.5 percent during the same period (**Figure 2C-21, Table 2C-23**).

Figure 2C-22
Mortality Rates[a] by Race/Ethnicity among Elderly 65 Years and Older, Arizona, 2014



Note: [a] Number of deaths per 100,000 persons, 65+ years old in specified group.

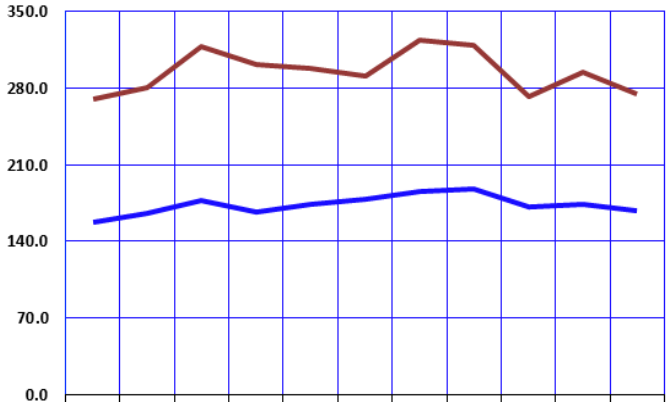
In 2014 the mortality rate for Arizona's White non-Hispanic elderly residents was about 2 times that of the Asian elderly population. The mortality rate of 1,916.4 /100,000 among elderly Asians was the lowest rate among the racial/ethnic groups (**Figure 2C-22**). Hispanic or Latino elderly had the second lowest mortality rate in 2014 at 3,330.3/100,000.

Tables 2C-23 and 2C-24 provide mortality rates for the five causes with the greatest number of deaths over the 2004 – 2014 period.

In 2014, Alzheimer's disease (2,311deaths; **Table 2C-26**) accounted for 6.2 percent of elderly mortality. From 2013 to 2014, gender-specific death rates for Alzheimer's disease decreased for both elderly males and elderly females (**Figure 2C-23**).

There were 1,519 deaths from Alzheimer's disease among elderly females in 2014, almost twice the number of deaths from this cause among males (792; **Table 2C-26**). White non-Hispanic elderly accounted for 85.1 percent of the 2014 deaths from Alzheimer's disease (based on data in **Table 2C-26**).

Figure 2C-23
Trends in Mortality Rates for Alzheimer's Disease[a] by Gender and Year among Elderly 65 Years and Older, Arizona, 2004-2014



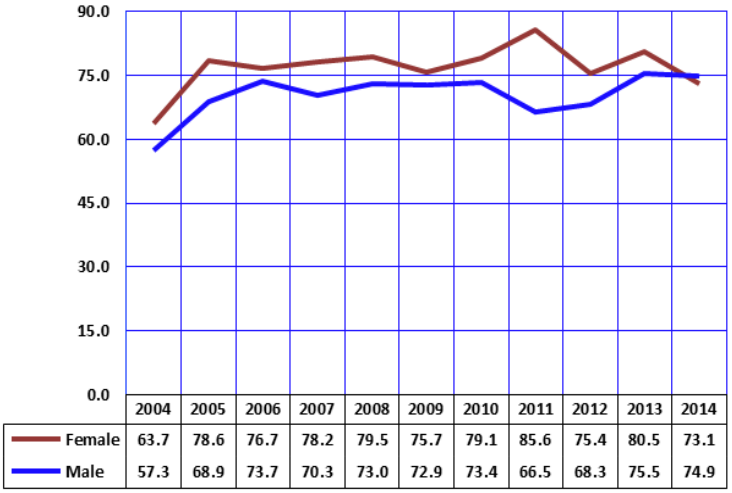
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	269.8	280.4	317.9	301.8	297.9	291.2	323.5	319.4	272.5	294.8	274.2
Male	157.0	166.2	176.9	167.3	174.4	178.6	186.2	188.6	171.4	174.3	168.1

Note: [a] Number of deaths due to Alzheimer's disease per 100,000 persons, 65+ years old in specified group.

Among unintentional injury deaths unrelated to motor vehicles, Arizona's elderly experienced a modest decline in mortality from *fall-related injuries* (**Figure 2C-24**). In 2014, 758 elderly Arizonans 65 years or older died from *fall-related injuries*, compared to 767 in 2013, a 1.2 percent decrease (**Table 2C-26**).

In 2014, those 85 years old or older experienced the largest number of *fall-related deaths* (n = 434), followed by Arizonans 75-84 years old (n = 227), and the youngest elderly 65-74 years old (n = 97).

Figure 2C-24
Trends in Mortality Rates for Falls and Fall-related Injuries[a] by Gender and Year among Elderly 65 Years and Older, Arizona, 2004-2014



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Female	63.7	78.6	76.7	78.2	79.5	75.7	79.1	85.6	75.4	80.5	73.1
Male	57.3	68.9	73.7	70.3	73.0	72.9	73.4	66.5	68.3	75.5	74.9

Note: [a] Number of deaths due to falls and fall-related injuries per 100,000 persons, 65+ years old in specified group.

TABLE 2C-23
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER, ARIZONA, 2004-2014

Gender/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
MALE												
Diseases of heart	1241.4	1238.7	1138.7	1079.2	1114.1	1073.3	992.8	1065.5	1022.2	1007.0	908.6	-26.8
Malignant neoplasms	1085.8	1068.2	1058.2	1020.4	1006.6	1017.3	1007.7	1007.4	992.6	958.6	899.1	-17.2
Chronic lower respiratory diseases	296.0	317.3	326.7	300.9	316.8	303.6	310.9	318.4	319.9	302.7	290.2	-2.0
Alzheimer's disease	157.0	166.2	176.9	167.3	174.4	178.6	186.2	188.6	171.4	174.3	168.1	7.1
Cerebrovascular diseases	242.2	224.9	195.2	168.6	188.9	182.8	169.3	164.4	165.5	151.8	144.4	-40.4
ALL CAUSES	4338.0	4401.4	4282.4	4002.8	4095.0	4025.9	3974.9	4083.3	3987.4	3904.2	3883.3	-10.5
(Number of all deaths)	(14614)	(15385)	(15273)	(14981)	(15589)	(15462)	(15967)	(16517)	(17101)	(17489)	(18292)	25.2
FEMALE												
Diseases of heart	1028.8	1013.9	968.0	891.9	860.8	855.9	804.8	847.2	794.5	763.7	694.9	-32.5
Malignant neoplasms	731.8	721.8	713.1	696.4	691.1	701.6	702.5	710.9	678.6	697.9	628.1	-14.2
Alzheimer's disease	269.8	280.4	317.9	301.8	297.9	291.2	323.5	319.4	272.5	294.8	274.2	1.6
Chronic lower respiratory diseases	264.0	297.4	286.3	255.0	279.3	273.5	272.6	301.4	268.6	283.6	248.3	-5.9
Cerebrovascular diseases	311.8	286.9	258.7	246.8	229.2	218.5	229.9	231.0	208.0	198.1	191.1	-38.7
ALL CAUSES	3796.9	3856.6	3828.7	3597.1	3544.8	3515.6	3521.7	3681.4	3489.9	3468.6	3378.3	-11.0
(Number of all deaths)	(15918)	(16778)	(16919)	(16601)	(16625)	(16636)	(16909)	(17798)	(17855)	(18494)	(18718)	17.6
TOTAL												
Diseases of heart	1123.5	1114.1	1044.8	975.7	974.3	953.3	890.4	946.8	898.3	874.8	793.1	-29.4
Malignant neoplasms	889.5	876.1	867.2	841.5	832.4	843.0	841.5	846.1	821.8	816.9	752.6	-15.4
Chronic lower respiratory diseases	278.3	306.3	304.3	275.6	296.1	287.0	290.1	309.1	292.0	292.3	267.6	-3.9
Alzheimer's disease	220.1	229.5	258.2	241.6	242.6	240.8	260.9	259.8	226.4	239.8	225.4	2.4
Cerebrovascular diseases	280.8	259.2	230.3	211.8	211.1	202.5	202.3	200.7	188.6	176.9	169.6	-39.6
ALL CAUSES	4038.0	4099.3	4031.3	3778.8	3791.3	3744.2	3728.2	3864.8	3716.9	3667.5	3610.4	-10.6
(Number of all deaths)	(30532)	(32163)	(32192)	(31852)	(32214)	(32098)	(32876)	(34318)	[c](34958)	(35983)	(37010)	21.2

Notes: [a] Rates are presented per 100,000 elderly persons 65 years and older; [b] The five causes with the greatest number of deaths over the 2004-2014 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2004-2014 are classified by ICD-10, replacing the Ninth Revision (ICD-9).

TABLE 2C-24
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) IN URBAN AND RURAL AREAS[c], ARIZONA, 2004-2014

Area/Cause	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Diseases of heart	1130.1	1110.7	1055.0	983.1	971.9	952.2	888.5	932.0	891.8	862.3	781.0	-30.9
Malignant neoplasms	869.3	863.6	854.5	834.1	817.9	835.0	834.0	846.2	825.5	807.6	748.7	-13.9
Chronic lower respiratory diseases	278.9	309.3	303.2	271.8	289.2	282.2	288.7	311.3	288.9	286.3	267.8	-4.0
Alzheimer's disease	232.9	244.6	270.7	262.4	261.3	263.2	284.9	288.9	251.5	272.0	252.6	8.5
Cerebrovascular diseases	287.8	257.3	234.6	211.3	206.4	206.1	201.5	202.0	192.8	180.1	172.6	-40.0
ALL CAUSES	4021.7	4083.4	4053.0	3792.4	3765.0	3765.4	3738.3	3886.0	3740.3	3663.4	3615.6	-10.1
(Number of all deaths)	(24384)	(25740)	(25585)	(25143)	(25374)	(25596)	(26043)	(27302)	(27824)	(28442)	(29416)	20.6
RURAL												
Diseases of heart	1094.8	1127.8	1006.1	946.3	979.3	950.4	889.9	990.4	912.5	919.1	834.0	-23.8
Malignant neoplasms	966.6	927.4	915.2	868.7	883.7	865.3	864.6	840.5	802.6	847.8	764.5	-20.9
Chronic lower respiratory diseases	275.7	293.8	308.5	290.0	322.1	302.5	291.6	298.9	299.6	314.0	264.3	-4.1
Cerebrovascular diseases	251.7	267.2	214.0	213.6	228.2	187.0	204.1	193.1	171.9	164.1	157.9	-37.3
Alzheimer's disease	195.6	168.0	195.5	161.5	166.7	152.1	169.6	145.1	130.2	117.2	118.7	-39.3
ALL CAUSES	4093.4	4164.3	3949.5	3723.8	3863.1	3628.5	3657.5	3741.1	3590.0	3665.4	3558.1	-13.1
(Number of all deaths)	(6132)	(6421)	(6607)	(6434)	(6789)	(6441)	(6773)	(6935)	(7058)	(7505)	(7526)	22.7
TOTAL												
Diseases of heart	1123.5	1114.1	1044.8	975.7	974.3	953.3	890.4	946.8	898.3	874.8	793.1	-29.4
Malignant neoplasms	889.5	876.1	867.2	841.5	832.4	843.0	841.5	846.1	821.8	816.9	752.6	-15.4
Chronic lower respiratory diseases	278.3	306.3	304.3	275.6	296.1	287.0	290.1	309.1	292.0	292.3	267.6	-3.9
Alzheimer's disease	220.1	229.5	258.2	241.6	242.6	240.8	260.9	259.8	226.4	239.8	225.4	2.4
Cerebrovascular diseases	280.8	259.2	230.3	211.8	211.1	202.5	202.3	200.7	188.6	176.9	169.6	-39.6
ALL CAUSES	4038.0	4099.3	4031.3	3778.8	3791.3	3744.2	3728.2	3864.8	3716.9	3667.5	3610.4	-10.6
(Number of all deaths)	(30532)	(32163)	(32192)	(31852)	(32214)	(32098)	(32876)	(34318)	(34958)	(35983)	(37010)	21.2

Notes: [a] Rates are presented per 100,000 elderly persons 65 years and older; [b] The five causes with the greatest number of deaths over the 2004-2014 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; 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 2004-2014 are classified by ICD-10, replacing the Ninth Revision (ICD-9); 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***.

TABLE 2C-25
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2004-2014

Area/Gender	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change from 2004
URBAN												
Male	4323.1	4359.2	4283.2	3986.1	4053.2	4013.8	3976.9	4107.6	3980.1	3898.2	3888.6	-10.1
Female	3786.0	3866.8	3871.5	3638.1	3534.9	3567.5	3543.8	3705.0	3543.8	3470.8	3388.5	-10.5
TOTAL	4021.7	4083.4	4053.0	3792.4	3765.0	3765.4	3738.3	3886.0	3740.3	3663.4	3615.6	-10.1
RURAL												
Male	4379.8	4561.0	4279.7	4058.9	4216.1	4021.7	3917.1	3948.9	3952.6	3895.3	3826.7	-12.6
Female	3836.1	3811.3	3658.6	3432.7	3555.8	3286.5	3418.2	3547.4	3256.0	3454.5	3309.8	-13.7
TOTAL	4093.4	4164.3	3949.5	3723.8	3863.1	3628.5	3657.5	3741.1	3590.0	3665.4	3558.1	-13.1
TOTAL												
Male	4338.0	4401.4	4282.4	4002.8	4095.0	4025.9	3974.9	4083.3	3987.4	3904.2	3883.3	-10.5
Female	3796.9	3856.6	3828.7	3597.1	3544.8	3515.6	3521.7	3681.4	3489.9	3468.6	3378.3	-11.0
TOTAL	4038.0	4099.3	4031.3	3778.8	3791.3	3744.2	3728.2	3864.8	3716.9	3667.5	3610.4	-10.6

Notes: [a] Rates are presented per 100,000 persons 65 years and older; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information.

TABLE 2C-26
LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2014

Cause of death	Total	Gender		Area[a]			Race/ethnicity				
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Diseases of heart	8,130	4,280	3,850	6,354	1,764	12	6,997	742	163	159	69
Malignant neoplasms	7,715	4,235	3,480	6,091	1,617	7	6,546	765	182	134	88
Malignant neoplasm of trachea, bronchus and lung	1,990	1,088	902	1,559	428	*	1,749	149	43	19	30
Malignant neoplasm of lymphoid, hematopoietic and related tissue	839	498	341	665	174	0	714	88	22	9	6
Malignant neoplasm of colon, rectum, and anus	683	358	325	535	148	0	587	62	19	9	6
Malignant neoplasm of pancreas	600†	302	299	499	101	*	515	63	11	*	7
Malignant neoplasm of prostate	520†	523	0	410	112	*	439	51	13	16	*
Malignant neoplasm of breast	440†	*	434	345	90	0	370	43	14	6	*
Chronic lower respiratory diseases	2,743	1,367	1,376	2,179	559	*	2,510	151	43	19	20
Alzheimer's disease	2,311	792	1,519	2,055	251	*	1,966	247	49	36	13
Cerebrovascular diseases	1,739	680	1,059	1,404	334	*	1,438	181	50	37	33
Diabetes	1,188	655	533	1,002	185	*	787	245	50	82	24
Accidents (unintentional injury)	1,145	570	575	928	212	*	968	113	22	27	15
Falls	758	353	405	636	121	*	663	63	12	6	14
Motor vehicle accidents	140†	78	60	107	29	*	110	14	*	10	0
Essential (primary) hypertension and hypertensive disease	614	283	331	533	80	*	489	69	29	18	9
Parkinson's disease	560†	336	222	461	97	0	475	55	6	17	*
Influenza and pneumonia	510†	252	260	369	141	*	412	54	*	33	8
Nephritis, nephrotic syndrome and nephrosis	290†	135	153	197	91	0	221	44	8	11	*
Septicemia	250†	131	122	187	66	0	199	36	*	10	*
Total, all causes	37,010	18,292	18,718	29,416	7,526	68	31,142	3,741	813	914	400

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas.

Comparative Cause-Specific Mortality By Age Group

TABLE 2C-27
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Total, all causes	51,074	535	227	211	3,062	10,025	37,010	4
Salmonella infections	0†	*	0	0	0	0	0	0
Shigellosis and amebiasis	0†	0	*	0	0	0	*	0
Certain other intestinal infections	210†	10	0	0	*	23	172	0
Enterocolitis due to Clostridium difficile	150†	0	0	0	*	16	135	0
Tuberculosis	10†	0	0	0	*	*	6	0
Respiratory tuberculosis	10†	0	0	0	*	0	*	0
Other tuberculosis	0†	0	0	0	0	*	*	0
Whooping cough	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0
Meningococcal infection	0†	0	*	0	*	0	0	0
Septicemia	340†	*	*	0	11	65	253	0
Syphilis	0†	0	0	0	0	0	*	0
Acute poliomyelitis	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0
Viral hepatitis	259	0	0	0	12	196	51	0
Human immunodeficiency virus (HIV) disease	104	0	0	0	35	58	11	0
Malaria	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	166	7	6	0	10	36	107	0
Malignant neoplasms	10,600†	*	29	15	278	2,562	7,715	0
Malignant neoplasm of lip, oral cavity and pharynx	140†	0	0	0	*	59	77	0
Malignant neoplasm of esophagus	290†	0	0	0	*	93	192	0
Malignant neoplasm of stomach	186	0	0	0	11	58	117	0
Malignant neoplasm of colon, rectum, and anus	953	0	0	0	34	236	683	0
Malignant neoplasm of liver and intrahepatic bile ducts	510†	0	0	0	*	197	307	0
Malignant neoplasm of pancreas	770†	0	0	0	*	163	601	0
Malignant neoplasm of larynx	55	0	0	0	0	21	34	0
Malignant neoplasm of trachea, bronchus and lung	2,540†	0	0	*	17	534	1,990	0
Malignant melanoma of skin	215	0	0	0	10	70	135	0
Malignant neoplasm of breast	729	0	0	0	43	251	435	0
Malignant neoplasm of cervix uteri	75	0	0	0	13	30	32	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	176	0	0	0	6	51	119	0
Malignant neoplasm of ovary	280†	0	0	*	12	76	192	0
Malignant neoplasm of prostate	572	0	0	0	0	49	523	0
Malignant neoplasm of kidney and renal pelvis	250†	0	0	0	*	67	185	0
Malignant neoplasm of bladder	305	0	0	0	0	34	271	0

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Malignant neoplasm of meninges, brain and other parts of CNS	340†	*	11	*	32	102	189	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,070†	0	10	*	38	176	839	0
Hodgkin's disease	10†	0	0	0	*	*	8	0
Non-Hodgkin's lymphoma	371	0	0	0	12	57	302	0
Leukemia	460†	0	10	*	21	80	344	0
Multiple myeloma and immunoproliferative neoplasms	220†	0	0	0	*	36	183	0
Other and unspecified malignant neoplasms of lymphoid tissue	0†	0	0	0	0	0	*	0
All other and unspecified malignant neoplasm	1,150†	0	8	*	49	295	794	0
In situ neoplasms	250†	0	*	*	6	27	208	0
Anemias	50†	0	*	0	*	9	32	0
Diabetes	1,780†	0	*	*	72	514	1,188	0
Nutritional deficiencies	80†	0	0	0	*	8	70	0
Malnutrition	70†	0	0	0	*	8	64	0
Other nutritional deficiencies	6	0	0	0	0	0	6	0
Obesity	160†	0	0	*	31	66	64	0
Meningitis	10†	0	0	0	*	6	*	0
Parkinson's disease	569	0	0	0	0	11	558	0
Alzheimer's disease	2,345	0	0	0	0	34	2,311	0
Major cardiovascular diseases	13,140†	9	7	*	289	1,997	10,832	0
Diseases of heart	9,950†	6	*	*	229	1,580	8,130	0
Acute rheumatic fever and chronic rheumatic heart disease	70†	0	0	0	*	9	60	0
Hypertensive heart disease	991	0	0	0	35	160	796	0
Hypertensive heart and renal disease	70†	0	0	0	*	6	58	0
Ischemic heart disease	6,650†	*	0	*	100	1,122	5,425	0
Acute myocardial infarction	1,530†	*	0	*	15	257	1,253	0
Other acute ischemic heart disease	26	0	0	0	0	6	20	0
Other forms of chronic ischemic heart disease	5,100†	0	0	*	85	859	4,152	0
Atherosclerotic cardiovascular disease	1,470†	0	0	*	51	454	959	0
All other forms of chronic ischemic heart disease	3,632	0	0	0	34	405	3,193	0
Other heart diseases	2,170†	*	*	*	88	283	1,791	0
Acute and subacute endocarditis	20†	0	0	0	*	*	9	0
Diseases of pericardium and acute myocarditis	10†	0	0	0	*	8	*	0
Heart failure	420†	0	0	0	*	24	394	0
All other forms of heart disease	1,720†	*	*	*	80	247	1,386	0
Essential (primary) hypertension and hypertensive renal disease	758	0	0	0	15	129	614	0
Cerebrovascular diseases	2,000†	*	*	0	31	219	1,739	0
Atherosclerosis	90†	0	0	0	*	8	84	0

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Other diseases of circulatory system	340†	*	0	0	12	61	264	0
Aortic aneurysm and dissection	164	0	0	0	8	34	122	0
Other disease of arteries, arterioles and capillaries	170†	*	0	0	*	27	142	0
Other disorders of circulatory system	78	0	0	0	7	29	42	0
Influenza and pneumonia	670†	*	*	*	42	108	512	0
Influenza	60†	0	*	*	8	23	28	0
Pneumonia	610†	*	*	*	34	85	484	0
Other acute lower respiratory infections	0†	0	0	0	*	0	*	0
Acute bronchiolitis	0†	0	0	0	*	0	*	0
Unspecified acute lower respiratory infection	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	3,190†	*	*	*	23	412	2,743	0
Bronchitis, chronic and unspecified	10†	0	0	0	0	*	*	0
Emphysema	150†	*	0	0	*	23	122	0
Asthma	80†	0	*	*	15	26	35	0
Other chronic lower respiratory diseases	2,951	0	0	0	7	362	2,582	0
Pneumoconioses and chemical effects	10†	0	0	0	0	*	13	0
Pneumonitis due to solids and liquids	220†	0	0	0	*	22	189	0
Other disease of respiratory system	520†	6	*	0	11	79	417	0
Peptic ulcer	90†	0	0	0	*	20	63	0
Diseases of appendix	10†	0	0	0	*	*	7	0
Hernia	47	0	0	0	0	9	38	0
Chronic liver disease and cirrhosis	984	0	0	0	114	546	324	0
Alcoholic liver disease	713	0	0	0	108	441	164	0
Other chronic liver disease and cirrhosis	271	0	0	0	6	105	160	0
Cholelithiasis and other disorders of gallbladder	60†	0	0	0	*	15	48	0
Nephritis, nephrotic syndrome and nephrosis	350†	*	0	0	7	57	288	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	0	0	0	0	*	*	0
Chronic glomerulonephritis	94	0	0	0	0	8	86	0
Renal failure	260†	*	0	0	7	48	199	0
Others disorders of kidney	0†	0	0	0	0	0	*	0
Infections of kidney	10†	0	0	0	0	*	12	0
Hyperplasia of prostate	10†	0	0	0	0	*	8	0
Inflammatory diseases of female pelvic organs	0†	0	0	0	0	*	*	0
Pregnancy, childbirth and the puerperium	10†	0	0	*	7	*	0	0
Pregnancy with abortive outcome	0†	0	0	0	*	0	0	0
Other complications of pregnancy, childbirth and the puerperium	10†	0	0	*	6	*	0	0

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Perinatal conditions	230†	225	*	0	0	*	0	0
Congenital anomalies, deformations and chromosomal abnormalities	230†	121	14	*	35	28	27	0
Symptoms, signs, abnormal findings	1,299	57	15	7	128	208	881	*
Total accidents	3,011	27	65	69	844	860	1,145	*
Transport accidents	750†	*	32	48	288	230	150	*
Motor vehicle accidents	700†	*	32	46	279	205	138	*
Other land transport accidents	20†	0	0	*	*	11	*	0
Water, air, space	30†	0	0	0	*	14	8	0
Nontransport accidents	2,261	26	33	21	556	630	995	0
Falls	880†	0	*	*	24	95	758	0
Accidental discharge of firearms	10†	0	*	*	*	0	*	0
Accidental drowning and submersion	80†	*	17	*	22	18	15	0
Accidental exposure to smoke, fire and flames	30†	*	*	*	*	8	15	0
Accidental poisoning	980†	0	*	12	462	438	66	0
Other and unspecified nontransport accidents	290†	23	11	*	41	71	140	0
Intentional self-harm (suicide)	1,124	0	11	49	422	396	246	0
By discharge of firearms	631	0	6	20	211	223	171	0
By other means	490†	0	*	29	211	173	75	0
Assault (homicide)	294	6	14	16	181	64	13	0
By discharge of firearms	200†	*	*	15	136	34	7	0
By other means	100†	*	11	*	45	30	6	0
Legal intervention	10†	0	0	0	10	*	0	0
Events of undetermined intent	170†	0	*	*	62	67	29	0
Discharge of firearms	10†	0	0	*	*	0	*	0
Other and unspecified events of undetermined intent	160†	0	*	*	57	67	27	0
Operations of war	0	0	0	0	0	0	0	0
Complications of medical and surgical care	40†	*	0	0	*	8	29	0
Injury by firearms	850†	*	10	39	363	259	181	0
Drug-induced deaths	1,210†	0	*	15	524	550	123	0
Alcohol-induced deaths	1,070†	0	0	*	197	647	221	0

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; the causes of death in this table are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

TABLE 2C-28
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Total, all causes	766.0	634.3	17.9	46.5	138.6	617.7	3610.4
Salmonella infections	0.0	**	0.0	0.0	0.0	0.0	0.0
Shigellosis and amebiasis	0.0	0.0	**	0.0	0.0	0.0	**
Certain other intestinal infections	3.1	11.9	0.0	0.0	**	1.4	16.8
Enterocolitis due to Clostridium difficile	2.3	0.0	0.0	0.0	**	1.0	13.2
Tuberculosis	0.1	0.0	0.0	0.0	**	**	0.6
Respiratory tuberculosis	0.1	0.0	0.0	0.0	**	0.0	**
Other tuberculosis	0.0	0.0	0.0	0.0	0.0	**	**
Whooping cough	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scarlet fever and erysipelas	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal infection	0.0	0.0	**	0.0	**	0.0	0.0
Septicemia	5.0	**	**	0.0	0.5	4.0	24.7
Syphilis	0.0	0.0	0.0	0.0	0.0	0.0	**
Acute poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arthropod-borne encephalitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral hepatitis	3.9	0.0	0.0	0.0	0.5	12.1	5.0
Human immunodeficiency virus (HIV) disease	1.6	0.0	0.0	0.0	1.6	3.6	1.1
Malaria	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other and unspecified infectious and parasitic diseases	2.5	8.3	0.5	0.0	0.5	2.2	10.4
Malignant neoplasms	159.0	**	2.3	3.3	12.6	157.9	752.6
Malignant neoplasm of lip, oral cavity and pharynx	2.1	0.0	0.0	0.0	**	3.6	7.5
Malignant neoplasm of esophagus	4.3	0.0	0.0	0.0	**	5.7	18.7
Malignant neoplasm of stomach	2.8	0.0	0.0	0.0	0.5	3.6	11.4
Malignant neoplasm of colon, rectum, and anus	14.3	0.0	0.0	0.0	1.5	14.5	66.6
Malignant neoplasm of liver and intrahepatic bile ducts	7.6	0.0	0.0	0.0	**	12.1	29.9
Malignant neoplasm of pancreas	11.5	0.0	0.0	0.0	**	10.0	58.6
Malignant neoplasm of larynx	0.8	0.0	0.0	0.0	0.0	1.3	3.3
Malignant neoplasm of trachea, bronchus and lung	38.1	0.0	0.0	**	0.8	32.9	194.1
Malignant melanoma of skin	3.2	0.0	0.0	0.0	0.5	4.3	13.2
Malignant neoplasm of breast	10.9	0.0	0.0	0.0	1.9	15.5	42.4
Malignant neoplasm of cervix uteri	1.1	0.0	0.0	0.0	0.6	1.8	3.1
Malignant neoplasm of corpus uteri and uterus, part unspecified	2.6	0.0	0.0	0.0	0.3	3.1	11.6
Malignant neoplasm of ovary	4.2	0.0	0.0	**	0.5	4.7	18.7
Malignant neoplasm of prostate	8.6	0.0	0.0	0.0	0.0	3.0	51.0
Malignant neoplasm of kidney and renal pelvis	3.8	0.0	0.0	0.0	**	4.1	18.0
Malignant neoplasm of bladder	4.6	0.0	0.0	0.0	0.0	2.1	26.4

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Malignant neoplasm of meninges, brain and other parts of CNS	5.1	**	0.9	**	1.4	6.3	18.4
Malignant neoplasm of lymphoid, hematopoietic and related tissue	16.0	0.0	0.8	**	1.7	10.8	81.8
Hodgkin's disease	0.2	0.0	0.0	0.0	**	**	0.8
Non-Hodgkin's lymphoma	5.6	0.0	0.0	0.0	0.5	3.5	29.5
Leukemia	6.9	0.0	0.8	**	1.0	4.9	33.6
Multiple myeloma and immunoproliferative neoplasms	3.3	0.0	0.0	0.0	**	2.2	17.9
Other and unspecified malignant neoplasms of lymphoid tissue	0.0	0.0	0.0	0.0	0.0	0.0	**
All other and unspecified malignant neoplasm	17.3	0.0	0.6	**	2.2	18.2	77.5
In situ neoplasms	3.7	0.0	**	**	0.3	1.7	20.3
Anemias	0.7	0.0	**	0.0	**	0.6	3.1
Diabetes	26.6	0.0	**	**	3.3	31.7	115.9
Nutritional deficiencies	1.2	0.0	0.0	0.0	**	0.5	6.8
Malnutrition	1.1	0.0	0.0	0.0	**	0.5	6.2
Other nutritional deficiencies	0.1	0.0	0.0	0.0	0.0	0.0	0.6
Obesity	2.4	0.0	0.0	**	1.4	4.1	6.2
Meningitis	0.1	0.0	0.0	0.0	**	0.4	**
Parkinson's disease	8.5	0.0	0.0	0.0	0.0	0.7	54.4
Alzheimer's disease	35.2	0.0	0.0	0.0	0.0	2.1	225.4
Major cardiovascular diseases	197.1	10.7	0.6	**	13.1	123.0	1056.7
Diseases of heart	149.3	7.1	**	**	10.4	97.4	793.1
Acute rheumatic fever and chronic rheumatic heart disease	1.1	0.0	0.0	0.0	**	0.6	5.9
Hypertensive heart disease	14.9	0.0	0.0	0.0	1.6	9.9	77.7
Hypertensive heart and renal disease	1.0	0.0	0.0	0.0	**	0.4	5.7
Ischemic heart disease	99.7	**	0.0	**	4.5	69.1	529.2
Acute myocardial infarction	22.9	**	0.0	**	0.7	15.8	122.2
Other acute ischemic heart disease	0.4	0.0	0.0	0.0	0.0	0.4	2.0
Other forms of chronic ischemic heart disease	76.4	0.0	0.0	**	3.8	52.9	405.0
Atherosclerotic cardiovascular disease	22.0	0.0	0.0	**	2.3	28.0	93.6
All other forms of chronic ischemic heart disease	54.5	0.0	0.0	0.0	1.5	25.0	311.5
Other heart diseases	32.6	**	**	**	4.0	17.4	174.7
Acute and subacute endocarditis	0.2	0.0	0.0	0.0	**	**	0.9
Diseases of pericardium and acute myocarditis	0.2	0.0	0.0	0.0	**	0.5	**
Heart failure	6.3	0.0	0.0	0.0	**	1.5	38.4
All other forms of heart disease	25.9	**	**	**	3.6	15.2	135.2
Essential (primary) hypertension and hypertensive renal disease	11.4	0.0	0.0	0.0	0.7	7.9	59.9
Cerebrovascular diseases	29.9	**	**	0.0	1.4	13.5	169.6
Atherosclerosis	1.4	0.0	0.0	0.0	**	0.5	8.2

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Other diseases of circulatory system	5.1	**	0.0	0.0	0.5	3.8	25.8
Aortic aneurysm and dissection	2.5	0.0	0.0	0.0	0.4	2.1	11.9
Other disease of arteries, arterioles and capillaries	2.6	**	0.0	0.0	**	1.7	13.9
Other disorders of circulatory system	1.2	0.0	0.0	0.0	0.3	1.8	4.1
Influenza and pneumonia	10.0	**	**	**	1.9	6.7	49.9
Influenza	0.9	0.0	**	**	0.4	1.4	2.7
Pneumonia	9.1	**	**	**	1.5	5.2	47.2
Other acute lower respiratory infections	0.0	0.0	0.0	0.0	**	0.0	**
Acute bronchiolitis	0.0	0.0	0.0	0.0	**	0.0	**
Unspecified acute lower respiratory infection	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chronic lower respiratory diseases	47.8	**	**	**	1.0	25.4	267.6
Bronchitis, chronic and unspecified	0.1	0.0	0.0	0.0	0.0	**	**
Emphysema	2.2	**	0.0	0.0	**	1.4	11.9
Asthma	1.2	0.0	**	**	0.7	1.6	3.4
Other chronic lower respiratory diseases	44.3	0.0	0.0	0.0	0.3	22.3	251.9
Pneumoconioses and chemical effects	0.2	0.0	0.0	0.0	0.0	**	1.3
Pneumonitis due to solids and liquids	3.2	0.0	0.0	0.0	**	1.4	18.4
Other disease of respiratory system	7.7	7.1	**	0.0	0.5	4.9	40.7
Peptic ulcer	1.3	0.0	0.0	0.0	**	1.2	6.1
Diseases of appendix	0.2	0.0	0.0	0.0	**	**	0.7
Hernia	0.7	0.0	0.0	0.0	0.0	0.6	3.7
Chronic liver disease and cirrhosis	14.8	0.0	0.0	0.0	5.2	33.6	31.6
Alcoholic liver disease	10.7	0.0	0.0	0.0	4.9	27.2	16.0
Other chronic liver disease and cirrhosis	4.1	0.0	0.0	0.0	0.3	6.5	15.6
Cholelithiasis and other disorders of gallbladder	1.0	0.0	0.0	0.0	**	0.9	4.7
Nephritis, nephrotic syndrome and nephrosis	5.3	**	0.0	0.0	0.3	3.5	28.1
Acute and rapidly progressive nephritic and nephrotic syndrome	0.0	0.0	0.0	0.0	0.0	**	**
Chronic glomerulonephritis	1.4	0.0	0.0	0.0	0.0	0.5	8.4
Renal failure	3.8	**	0.0	0.0	0.3	3.0	19.4
Others disorders of kidney	0.0	0.0	0.0	0.0	0.0	0.0	**
Infections of kidney	0.2	0.0	0.0	0.0	0.0	**	1.2
Hyperplasia of prostate	0.1	0.0	0.0	0.0	0.0	**	0.8
Inflammatory diseases of female pelvic organs	0.0	0.0	0.0	0.0	0.0	**	**
Pregnancy, childbirth and the puerperium	0.1	0.0	0.0	**	0.3	**	0.0
Pregnancy with abortive outcome	0.0	0.0	0.0	0.0	**	0.0	0.0
Other complications of pregnancy, childbirth and the puerperium	0.1	0.0	0.0	**	0.3	**	0.0

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2014

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Perinatal conditions	3.5	266.8	**	0.0	0.0	**	0.0
Congenital anomalies, deformations and chromosomal abnormalities	3.4	143.5	1.1	**	1.6	1.7	2.6
Symptoms, signs, abnormal findings	19.5	67.6	1.2	1.5	5.8	12.8	85.9
Total accidents	45.2	32.0	5.1	15.2	38.2	53.0	111.7
Transport accidents	11.2	**	2.5	10.6	13.0	14.2	14.6
Motor vehicle accidents	10.5	**	2.5	10.1	12.6	12.6	13.5
Other land transport accidents	0.3	0.0	0.0	**	**	0.7	**
Water, air, space	0.4	0.0	0.0	0.0	**	0.9	0.8
Nontransport accidents	33.9	30.8	2.6	4.6	25.2	38.8	97.1
Falls	13.2	0.0	**	**	1.1	5.9	73.9
Accidental discharge of firearms	0.1	0.0	**	**	**	0.0	**
Accidental drowning and submersion	1.2	**	1.3	**	1.0	1.1	1.5
Accidental exposure to smoke, fire and flames	0.4	**	**	**	**	0.5	1.5
Accidental poisoning	14.7	0.0	**	2.6	20.9	27.0	6.4
Other and unspecified nontransport accidents	4.3	27.3	0.9	**	1.9	4.4	13.7
Intentional self-harm (suicide)	16.9	0.0	0.9	10.8	19.1	24.4	24.0
By discharge of firearms	9.5	0.0	0.5	4.4	9.5	13.7	16.7
By other means	7.4	0.0	**	6.4	9.5	10.7	7.3
Assault (homicide)	4.4	7.1	1.1	3.5	8.2	3.9	1.3
By discharge of firearms	2.9	**	**	3.3	6.2	2.1	0.7
By other means	1.5	**	0.9	**	2.0	1.8	0.6
Legal intervention	0.2	0.0	0.0	0.0	0.5	**	0.0
Events of undetermined intent	2.5	0.0	**	**	2.8	4.1	2.8
Discharge of firearms	0.1	0.0	0.0	**	**	0.0	**
Other and unspecified events of undetermined intent	2.4	0.0	**	**	2.6	4.1	2.6
Operations of war	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Complications of medical and surgical care	0.6	**	0.0	0.0	**	0.5	2.8
Injury by firearms[b]	12.8	**	0.8	8.6	16.4	16.0	17.7
Drug-induced deaths[b]	18.2	0.0	**	3.3	23.7	33.9	12.0
Alcohol-induced deaths[b]	16.0	0.0	0.0	**	8.9	39.9	21.6

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] The rates for infants <1 year of age are per 100,000 births; all other rates are per 100,000 population in specified group; the rates for malignant neoplasm of cervix uteri, corpus uteri, ovary, inflammatory disease of female pelvic organs and complications of pregnancy are per 100,000 females; the rates for prostate cancer and hyperplasia of prostate are per 100,000 males; [b] Included in selected categories above.

2D.

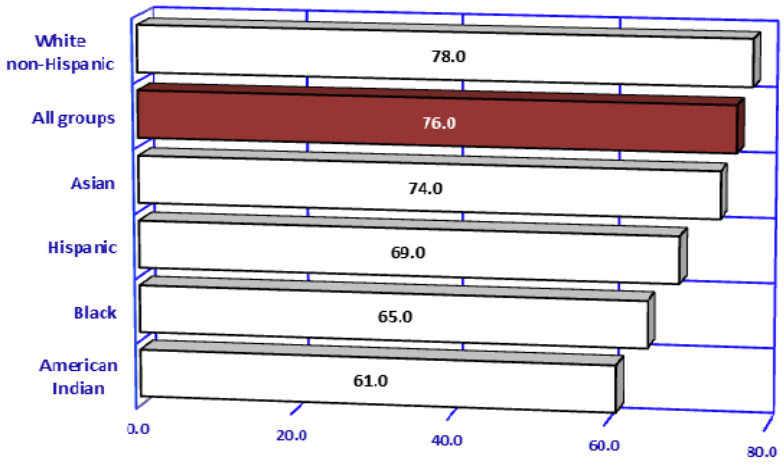
PATTERNS OF PREMATURE MORTALITY

Compared with White non-Hispanics, the racial/ethnic minority groups in Arizona had greater percentages of people younger than 25 years in 2014 (46.0 vs. 26.14 percent). In contrast, people aged 65 years and older accounted for 21.9 percent of White non-Hispanics, but only 6.5 percent of all ethnic minority groups combined (percentages based on race-and-age-specific population denominators in **Table 10C-1**).

Arizona's population distribution by age and race/ethnicity is related to patterns of mortality among these subgroups. In 2014, of all deaths among the elderly (65 years and older), 84.1 percent were White non-Hispanics, 10.1 percent were Hispanic or Latino, with the three remaining racial/ethnic groups comprising only 5.7 percent of all deaths in this age group (**Table 2C-26**). Looking at younger ages, Native American children comprised only 7.7 percent of Arizona's population age 1 – 14, but accounted for 12.3 percent of all childhood deaths. Native American adolescents represented only 7.3 percent of all adolescents but accounted for 11.3 percent of all adolescent deaths. Finally, Native American young adults (ages 20 – 44) represented 6.4 percent of all young adults but comprised 13.9 percent of all young adult deaths. In summary, Arizona's racial/ethnic minority groups tend to experience mortality earlier in life than Arizona's White non-Hispanics.

Beginning with the 2005 edition of the report, information about the arithmetic mean age at death was supplemented with information about the median age, or the age in the center of the distribution when sorted by age (see **Table 2D-1**). The median age is higher than the arithmetic mean age in negatively skewed distributions.

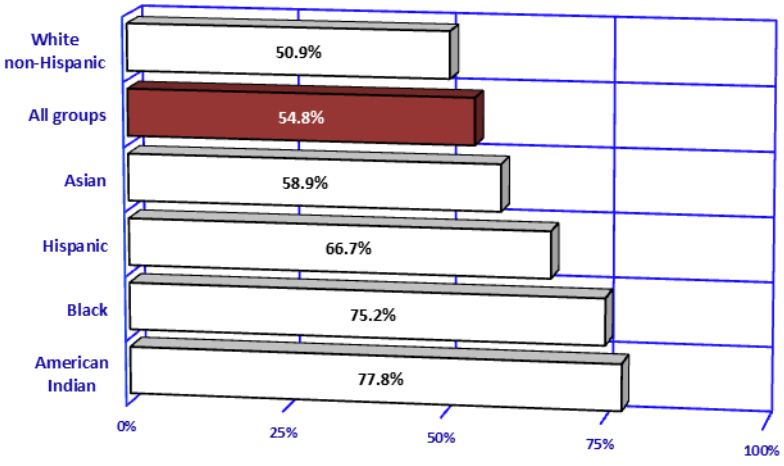
Figure 2D-1
Median Age at Death by Race/Ethnicity, Arizona, 2014



The median age at death decreased from 77 years in 2013 to 76 years in 2014 (**Table 2D-1**). In other words, one of every two Arizonans who died in 2014 was older than 76 years of age. Among Arizona females, fifty percent were 80 years older when they died in 2014. Among males, the median age at death was 73 years in 2014. **Table 2D-1** shows both the median age at death by race/ethnicity and gender in 2004-2014.

In 2014, compared to White non-Hispanics, on average Asians were 4 years younger at time of death, Hispanics were 9 years younger, Blacks were 13 years younger, and American Indian residents of Arizona were 17 years younger (based on the median age at death).

Figure 2D-2
Percent of Deaths before Expected[a] Years of Life Reached by Race/Ethnicity, Arizona, 2014



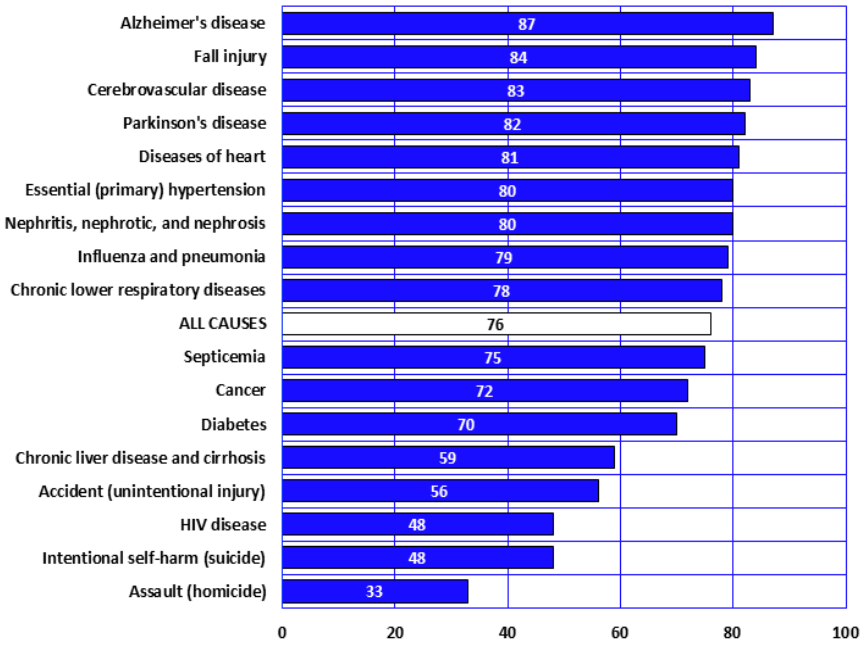
The percent of deaths before expected years of life reached (a premature death ratio) slightly decreased for all Arizonans from 54.6 in 2013 to 54.8 in 2014 (**Figure 2D-2**).

As expected, based on the findings for average and median age at death, White non-Hispanics were the only group with about 50 percent of all deaths (50.9 percent) occurring before the expected years of life were reached (**Figure 2D-2**). On average, 69.7 percent of the deaths among racial/ethnic minority groups occurred prematurely.

Among American Indians, nearly eight out of ten deaths (77.8 percent) were premature (**Table 2D-2**).

Note: [a] Expected years of life at birth for all U.S. residents (78.8 years).

Figure 2D-3
Median Age at Death for Selected Leading Causes of Death, Arizona, 2014

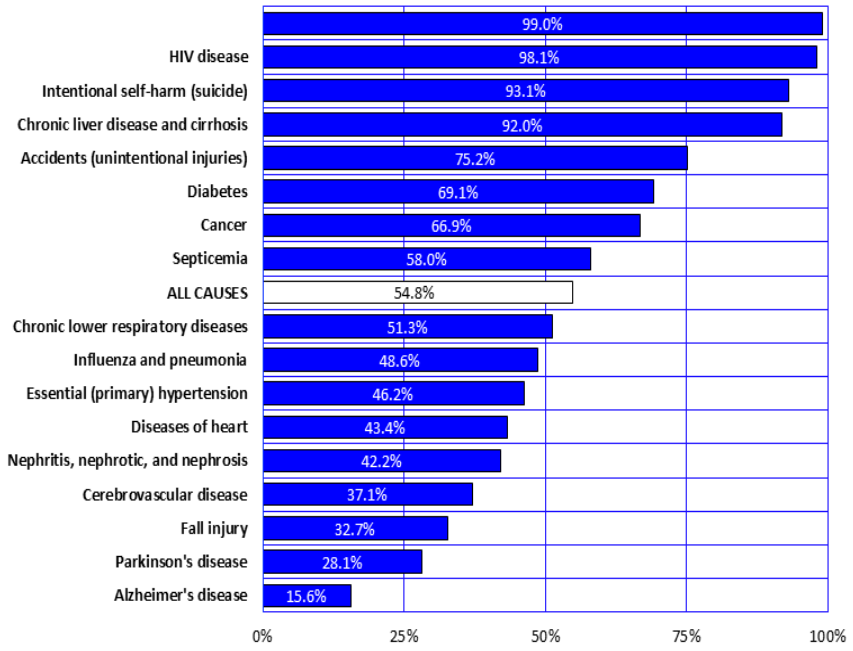


In 2014, *Alzheimer's disease* had the highest median age of death at 87 years (**Figure 2D-3**), exceeding by 11 years the median age at death for all causes (**Figure 2D-3**, **Table 2D-3**).

Among the leading causes of death, *homicide* had the lowest median age at death of 33 years.

From 2010-2014, *cancer* has replaced *diseases of the heart* as the leading cause of death (based on the number of deaths). This epidemiologic transition in mortality risks is likely to have long lasting implications for the life expectancy of Arizonans, because the median age at death from *cancer* (72 years) is substantially lower than the median age at death from *diseases of the heart* (81 years).

Figure 2D-4
Percent of Deaths before Expected Years of Life[a] Reached for Selected Leading Causes of Death, Arizona, 2014



Note: [a] Expected years of life at birth for all U.S. residents (78.8 years).

Only 15.6 percent of deaths from *Alzheimer's disease* occurred before the age of 78.8 years, i.e., before the expected years of life were reached. In contrast, all deaths from *HIV disease* were premature (**Figure 2D-4**, **Table 2D-4**) and the median age at death from *HIV disease* decreased from the previous year at 48 years (**Figure 2D-3**, **Table 2D-3**).

A minority of deaths from *diseases of heart* were premature (43.4 percent). In contrast 66.9 percent of deaths from *cancer* occurred before the expected years of life were reached.

TABLE 2D-1
AVERAGE AND MEDIAN AGE AT DEATH FROM ALL CAUSES BY GENDER AND RACE/ETHNICITY, ARIZONA, 2004-2014

Year	Gender	All ethnic groups		Race/ethnicity									
		Mean	Median	White non-Hispanic		Hispanic or Latino		Black or African American		American Indian or Alaska Native		Asian or Pacific Islander	
				Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median
2004	**Total**	71.0	76.0	73.8	78.0	58.5	65.0	60.4	64.0	55.9	58.0	65.3	69.0
	Male	67.7	73.0	70.9	75.0	54.6	60.0	55.4	59.0	52.4	53.0	63.5	68.0
	Female	74.6	80.0	76.9	81.0	63.8	72.0	66.5	70.0	60.4	64.0	67.0	70.0
2005	**Total**	71.5	77.0	74.4	79.0	59.0	65.0	60.7	64.0	56.8	59.0	65.5	72.0
	Male	68.1	73.0	71.4	76.0	55.5	61.0	55.7	58.0	53.4	54.0	64.3	71.0
	Female	75.2	80.0	77.6	81.0	63.8	71.0	66.3	71.0	61.2	66.0	66.8	73.0
2006	**Total**	71.2	76.0	74.0	78.0	58.7	65.0	60.2	63.0	55.4	57.0	68.7	73.0
	Male	67.9	73.0	71.1	75.0	55.1	59.0	57.3	59.0	51.5	52.0	64.5	71.5
	Female	74.8	80.0	76.9	81.0	64.0	73.0	64.4	70.0	60.9	65.0	72.7	73.0
2007	**Total**	71.2	76.0	74.2	78.0	58.4	64.0	60.1	62.0	57.2	59.0	64.9	70.0
	Male	67.8	73.0	71.3	75.0	54.6	59.0	54.8	57.0	53.7	54.0	60.2	64.0
	Female	74.9	80.0	77.4	81.0	63.4	71.0	66.5	70.0	61.9	67.0	69.0	73.0
2008	**Total**	71.5	77.0	74.3	78.0	61.2	68.0	58.5	62.0	57.3	59.0	63.5	70.0
	Male	68.4	73.0	71.6	76.0	57.1	62.0	55.3	59.0	53.7	54.0	61.5	67.5
	Female	75.0	80.0	77.2	81.0	66.4	74.0	62.5	67.0	62.0	67.0	65.6	73.0
2009	**Total**	71.9	76.0	74.3	78.0	61.8	67.0	60.0	64.0	57.6	59.0	66.7	74.0
	Male	69.3	73.0	71.6	75.0	58.6	63.0	56.9	60.0	54.2	54.0	63.6	69.0
	Female	74.8	80.0	77.2	81.0	65.7	72.0	63.4	68.0	61.8	66.0	70.1	77.0
2010	**Total**	72.1	77.0	74.8	79.0	62.4	68.0	62.6	65.0	57.0	58.0	65.7	71.0
	Male	69.1	73.0	72.1	75.0	58.3	63.0	60.5	63.0	52.7	53.0	64.2	70.0
	Female	75.4	80.0	77.7	82.0	67.4	74.0	65.3	69.0	62.6	65.0	67.4	74.0
2011	**Total**	72.8	77.0	75.3	79.0	63.6	68.0	63.6	66.0	58.4	60.0	68.2	72.0
	Male	69.7	73.0	72.5	76.0	59.8	63.0	61.0	64.0	54.4	54.0	65.6	69.0
	Female	76.2	81.0	78.3	82.0	68.5	75.0	66.6	69.0	63.2	67.0	70.8	75.0
2012	**Total**	72.7	77.0	75.2	78.8	63.8	68.8	62.6	65.9	57.8	59.8	68.6	73.1
	Male	69.9	73.7	72.6	75.9	60.7	64.3	59.6	63.2	54.3	55.5	64.2	68.7
	Female	75.9	80.6	78.1	82.1	67.8	74.7	66.0	69.6	62.0	65.0	72.3	78.5
2013	**Total**	72.5	77.0	75.2	79.0	64.3	69.0	63.1	66.0	58.3	60.0	70.9	76.0
	Male	69.6	74.0	72.6	76.0	60.6	64.0	59.5	63.0	54.7	55.0	68.4	73.0
	Female	75.8	81.0	78.0	82.0	68.6	75.0	67.7	73.0	63.1	67.0	73.3	78.0
2014	**Total**	72.7	76.0	75.1	78.0	64.7	69.0	62.7	65.0	59.3	61.0	70.3	74.0
	Male	70.0	73.0	72.6	75.0	61.7	65.0	60.5	63.0	55.7	57.0	66.2	71.0
	Female	75.8	80.0	77.9	81.0	68.4	74.0	65.3	67.0	63.8	66.0	74.1	79.0

Notes: Average age at death = the arithmetic mean of the ages of Arizonans who died in a given year; Median age at death = the middle of the age distribution: half died at age greater than the median and half at age below the median; The mean is lower than the median in negatively skewed distributions.

TABLE 2D-2
PERCENT OF DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED
BY GENDER AND RACE/ETHNICITY, ARIZONA, 2004-2014

Year/gender	All racial/ethnic groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2004 Total	53.0	48.3	71,5	74.3	80.3	64.3
Male	61.0	56.4	78.3	81.9	85.9	69.0
Female	44.1	39.9	62.4	65.2	73.3	60.0
2005 Total	52.7	47.9	71.3	75.1	78.4	65.1
Male	60.8	56.2	76.9	83.3	83.3	64.5
Female	43.7	39.2	63.3	65.8	72.2	65.7
2006 Total	52.7	48.2	70.8	73.9	77.4	61.0
Male	61.0	56.2	78.4	80.9	82.9	61.0
Female	43.7	40.1	60.0	63.7	69.8	61.0
2007 Total	52.6	47.7	71.6	73.3	75.8	64.9
Male	61.5	56.4	79.2	82.6	82.0	73.8
Female	42.9	38.5	61.3	62.1	67.5	57.4
2008 Total	52.4	48.0	67.6	74.7	76.5	66.4
Male	60.0	55.4	75.4	81.6	82.6	68.7
Female	43.9	40.0	57.6	66.4	68.6	63.9
2009 Total	52.5	48.0	68.0	73.0	76.4	60.6
Male	59.9	55.4	74.4	79.3	81.1	66.8
Female	44.5	40.1	60.1	66.1	70.6	53.9
2010 Total	54.5	49.9	68.7	73.4	79.6	65.1
Male	62.4	57.8	76.2	78.4	85.3	69.0
Female	45.8	41.5	59.5	67.4	71.9	60.7
2011 Total	53.8	49.6	67.4	74.4	77.7	66.3
Male	61.8	57.5	75.4	80.7	84.3	71.3
Female	45.1	41.2	57.3	67.1	70.0	61.5
2012 Total	55.0	50.9	68.4	74.4	78.7	62.3
Male	62.3	58.1	75.7	81.6	83.9	74.2
Female	46.7	43.0	59.1	66.1	72.2	51.9
2013 Total	54.6	50.1	67.1	72.8	76.7	58.9
Male	62.0	57.5	75.0	80.8	82.7	65.0
Female	46.2	42.1	57.7	62.4	68.9	53.2
2014[a] Total	54.8	50.9	66.7	75.2	77.8	58.9
Male	62.0	58.0	74.1	79.7	84.1	68.9
Female	46.7	43.1	57.7	69.8	69.8	49.7

Note: [a] Based on updated expected years of life at birth for all U.S. residents (78.8 years in 2013).

TABLE 2D-3
MEDIAN AGE AT DEATH FOR LEADING CAUSES OF MORTALITY BY GENDER, RACE/ETHNICITY, AND URBAN/RURAL AREAS[a], ARIZONA, 2014

	ARIZONA			Area/gender						Race/ethnicity				
	Total	Male	Female	Total Urban	Urban Male	Urban Female	Total Rural	Rural Male	Rural Female	White Non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Total, all causes	76.0	73.0	80.0	77.0	73.0	80.0	75.0	73.0	78.0	78.0	69.0	65.0	61.0	74.0
Major cardiovascular diseases	81.0	77.0	85.0	82.0	78.0	85.0	79.0	76.0	84.0	82.0	77.0	69.0	71.0	78.0
Diseases of heart	81.0	77.0	85.0	82.0	77.0	85.0	79.0	75.0	84.0	82.0	77.0	68.5	71.0	77.0
Coronary heart disease	80.0	76.0	85.0	81.0	77.0	85.0	78.0	74.0	83.0	82.0	77.0	70.0	70.0	77.0
Malignant neoplasms	72.0	72.0	72.0	72.0	72.0	72.0	72.0	73.0	72.0	73.0	68.0	67.0	68.0	67.5
Lung cancer	73.0	72.0	73.0	73.0	73.0	73.0	72.0	72.0	73.0	73.0	73.0	67.5	68.0	76.0
Prostate cancer	80.0	80.0	NA	80.0	80.0	NA	80.0	80.0	NA	81.0	73.5	78.0	75.0	70.5
Breast cancer	67.0	61.0	68.0	68.0	52.0	68.0	67.0	62.0	67.0	70.0	60.0	60.0	66.0	53.0
Colorectal cancer	73.0	72.0	74.0	73.0	72.0	74.0	72.0	71.0	72.0	74.0	69.0	65.5	66.0	64.5
Malignant melanoma of skin	69.0	70.0	67.0	69.0	70.0	66.0	71.0	68.0	71.0	69.0	57.5	84.0	0.0	85.0
Cerebrovascular diseases	83.0	79.0	85.0	83.0	80.0	85.0	81.0	78.0	84.0	84.0	77.0	72.0	75.0	77.5
Chronic lower respiratory diseases	78.0	77.0	78.0	78.0	78.0	79.0	76.0	76.0	77.0	78.0	79.0	73.0	72.0	83.0
Accidents (unintentional injuries)	56.0	52.0	65.0	57.0	52.0	67.0	54.0	52.0	59.0	63.0	42.0	47.0	41.0	62.0
Motor vehicle accidents	44.0	42.0	47.5	43.5	42.0	48.0	45.0	42.0	46.0	53.5	33.0	37.0	32.0	22.0
Falls	84.0	82.0	86.0	85.0	82.0	86.0	83.0	80.0	85.0	85.0	74.5	85.0	53.0	86.0
Accidental poisoning	45.0	43.0	49.0	45.0	42.5	49.0	46.0	47.0	46.0	49.0	37.0	48.0	40.0	32.0
Accidental drowning	39.0	39.5	36.5	38.0	38.5	37.0	39.5	47.0	19.0	49.0	24.0	12.5	39.0	68.0
Influenza and pneumonia	79.0	77.0	82.0	79.0	77.0	81.0	78.5	77.0	82.0	81.0	70.0	75.5	75.5	84.0
Alzheimer's disease	87.0	86.0	88.0	87.0	86.0	88.0	86.0	84.0	87.0	88.0	85.0	87.0	86.0	84.0
Diabetes	70.0	69.0	72.0	70.0	69.0	73.0	71.0	71.0	70.0	72.0	69.0	68.5	67.0	76.0
Intentional self-harm (suicide)	48.0	48.0	48.0	48.0	48.0	46.5	52.0	51.0	53.5	52.0	38.5	33.0	30.0	36.0
Chronic liver disease and cirrhosis	59.0	58.0	61.0	59.0	58.0	61.0	59.5	60.0	58.5	61.0	60.0	57.0	52.0	64.0
Nephritis, nephrotic syndrome and nephrosis	80.0	80.0	82.0	81.0	80.0	83.0	79.0	78.5	79.0	82.0	79.0	75.0	70.0	82.0
Septicemia	75.0	77.0	74.0	76.0	78.0	75.0	74.0	74.0	74.0	78.0	70.0	63.0	62.0	74.0
Assault (homicide)	33.0	33.0	28.0	32.0	33.0	28.0	32.5	31.5	38.5	41.0	28.0	33.0	29.0	43.0
Parkinson's disease	82.0	82.0	84.0	83.0	82.0	84.0	81.0	80.0	84.0	82.0	82.0	77.0	83.0	83.0
Essential (primary) hypertension and hypertensive renal disease	80.0	76.0	82.0	80.0	76.5	82.0	78.0	74.0	82.0	82.0	74.0	66.5	67.0	85.5
Human immunodeficiency virus (HIV) disease	48.0	48.5	47.5	48.5	49.0	47.5	47.0	47.0	60.0	50.0	46.0	50.0	47.0	37.0
INJURY BY FIREARMS	46.0	46.0	44.0	43.0	43.0	40.0	54.0	54.0	54.0	53.0	30.0	33.0	29.0	35.0
DRUG-INDUCED DEATHS	47.0	45.0	49.0	46.0	44.0	49.0	48.0	49.0	47.0	49.0	37.0	47.0	40.0	40.0
ALCOHOL-INDUCED DEATHS	56.0	56.0	56.0	56.0	57.0	56.0	54.0	54.0	54.5	58.0	56.0	51.5	48.0	59.5

Notes: [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; median age at death = the middle of the age distribution: half died at age greater than the median and half at age below the

TABLE 2D-4
PERCENT DEATHS BEFORE EXPECTED[a] YEARS OF LIFE REACHED FOR THE LEADING CAUSES OF MORTALITY BY GENDER, RACE/ETHNICITY, AND URBAN/RURAL AREAS[b], ARIZONA, 2014

	ARIZONA			Area/gender						Race/ethnicity				
	Total	Male	Female	Total Urban	Urban Male	Urban Female	Total Rural	Rural Male	Rural Female	White Non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Total, all causes	54.8%	62.0%	46.7%	53.8%	61.2%	45.8%	58.2%	64.4%	50.6%	50.9%	66.7%	75.2%	77.8%	58.9%
Major cardiovascular diseases	42.8%	52.8%	31.3%	41.6%	51.6%	30.4%	47.0%	56.6%	34.6%	39.6%	53.4%	69.3%	66.3%	51.7%
Diseases of heart	43.4%	53.4%	30.7%	42.1%	52.1%	29.8%	47.9%	57.2%	34.3%	40.5%	52.9%	70.8%	68.2%	53.8%
Coronary heart disease	44.8%	54.6%	31.2%	43.0%	52.8%	29.9%	51.5%	60.3%	36.6%	42.1%	53.3%	69.9%	70.5%	54.5%
Malignant neoplasms	66.9%	67.2%	66.6%	66.4%	67.1%	65.7%	68.7%	67.4%	70.3%	64.8%	75.1%	81.9%	75.0%	76.4%
Lung cancer	69.8%	71.3%	68.0%	68.5%	70.0%	66.6%	74.8%	76.0%	73.4%	69.2%	67.5%	92.4%	96.0%	58.5%
Prostate cancer	44.2%	44.2%	0.0%	44.3%	44.3%	0.0%	43.5%	43.5%	0.0%	39.7%	69.0%	56.3%	61.1%	83.3%
Breast cancer	74.6%	100.0%	74.4%	73.5%	100.0%	73.4%	79.1%	100.0%	78.6%	72.3%	81.2%	89.2%	66.7%	100.0%
Colorectal cancer	63.0%	67.3%	58.0%	61.8%	65.8%	57.4%	67.3%	72.7%	60.5%	61.2%	70.4%	75.0%	76.5%	58.3%
Malignant melanoma of skin	73.5%	72.8%	75.0%	73.1%	71.9%	76.0%	75.0%	76.9%	72.2%	73.9%	78.6%	0.0%	0.0%	0.0%
Cerebrovascular diseases	37.1%	47.1%	29.9%	35.9%	46.0%	28.6%	41.6%	51.0%	35.5%	32.7%	52.1%	60.5%	56.9%	52.4%
Chronic lower respiratory diseases	51.3%	53.3%	49.4%	50.0%	52.1%	47.9%	56.2%	56.9%	55.5%	51.0%	48.9%	67.7%	75.0%	37.5%
Accidents (unintentional injuries)	75.2%	82.2%	63.7%	73.8%	81.2%	62.0%	79.2%	84.4%	70.1%	68.2%	89.1%	90.5%	96.5%	62.5%
Motor vehicle accidents	92.6%	95.3%	86.2%	91.9%	95.6%	83.2%	94.7%	94.9%	94.4%	87.2%	98.9%	100.0%	96.9%	100.0%
Falls	32.7%	40.7%	24.7%	31.5%	39.1%	24.1%	36.1%	43.4%	28.2%	28.3%	58.3%	25.0%	85.0%	20.0%
Accidental poisoning	99.3%	99.7%	98.6%	99.1%	99.6%	98.2%	100.0%	100.0%	100.0%	99.1%	100.0%	97.8%	100.0%	100.0%
Accidental drowning	93.6%	93.5%	93.8%	92.1%	92.0%	92.3%	100.0%	100.0%	100.0%	89.4%	100.0%	100.0%	100.0%	100.0%
Influenza and pneumonia	48.6%	53.2%	43.7%	47.9%	52.0%	43.5%	49.4%	55.1%	43.4%	44.9%	64.9%	62.5%	56.3%	33.3%
Alzheimer's disease	15.6%	20.8%	12.8%	15.7%	20.2%	13.5%	14.1%	25.5%	7.0%	14.7%	20.6%	18.4%	24.3%	15.4%
Diabetes	69.1%	74.0%	62.4%	68.6%	74.5%	60.6%	71.5%	70.9%	72.3%	65.0%	74.4%	78.0%	82.4%	59.3%
Intentional self-harm (suicide)	93.1%	92.5%	95.1%	93.7%	93.1%	95.6%	91.4%	90.7%	93.5%	91.6%	97.8%	100.0%	100.0%	100.0%
Chronic liver disease and cirrhosis	92.0%	94.1%	88.8%	91.6%	93.8%	88.2%	93.4%	94.6%	91.7%	91.3%	90.3%	90.9%	96.9%	87.5%
Nephritis, nephrotic syndrome and nephrosis	42.2%	44.8%	39.7%	40.4%	42.9%	37.9%	45.6%	48.4%	42.9%	37.7%	47.5%	55.6%	80.0%	40.0%
Septicemia	58.0%	54.4%	61.7%	56.9%	52.5%	61.3%	61.1%	59.6%	62.8%	49.6%	77.6%	88.9%	86.4%	60.0%
Assault (homicide)	99.0%	99.1%	98.5%	99.2%	99.5%	98.3%	97.1%	96.2%	100.0%	98.2%	99.1%	100.0%	100.0%	100.0%
Parkinson's disease	28.1%	32.6%	21.3%	27.2%	30.8%	21.9%	32.7%	40.0%	18.2%	28.7%	20.0%	50.0%	27.8%	40.0%
Essential (primary) hypertension and hypertensive renal disease	46.2%	54.0%	39.0%	45.7%	53.2%	38.9%	48.5%	58.7%	39.6%	41.0%	58.1%	73.9%	71.0%	33.3%
Human immunodeficiency virus (HIV) disease	98.1%	100.0%	87.5%	98.9%	100.0%	92.9%	88.9%	100.0%	50.0%	100.0%	95.8%	100.0%	80.0%	100.0%
INJURY BY FIREARMS	93.0%	92.5%	95.2%	94.2%	93.8%	95.8%	88.4%	87.7%	92.3%	90.5%	99.3%	100.0%	100.0%	100.0%
DRUG-INDUCED DEATHS	98.4%	98.6%	98.0%	98.2%	98.6%	97.4%	99.1%	98.3%	100.0%	98.1%	98.9%	100.0%	100.0%	100.0%
ALCOHOL-INDUCED DEATHS	97.1%	97.0%	97.3%	96.3%	96.3%	96.4%	99.6%	99.4%	100.0%	96.4%	96.7%	91.7%	100.0%	100.0%

Notes: [a] Expected years of life at birth for all U.S. residents (78.8 years in 2013); [b] Urban = Maricopa, Pima, Pinal, and Yuma counties.