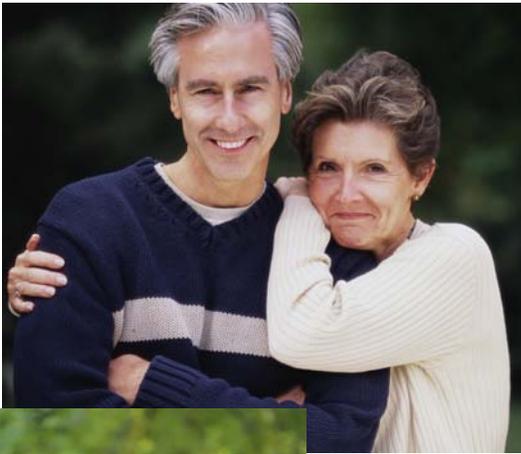


Maricopa County Health Status Report 2006



Reference Tables



Prepared by the Maricopa County Department of Public Health
Office of Epidemiology

April 2008

Maricopa County

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For additional copies of this report, please call the Maricopa County Department of Public Health, Office of Epidemiology at 602.372.2604. This report may also be found at http://www.maricopa.gov/public_health/epi/ under “Health Statistics and Reports.”

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Introduction

This report provides health status information for the year 2006 for residents of Maricopa County, Arizona. It includes data for mortality (death), communicable diseases, and natality (birth), as well as information on the size and demographic distribution of the population.

For each disease or health indicator, the following information is provided:

- Number of cases in the county
 - Communicable Disease Example: 75 residents of Maricopa County were diagnosed with a confirmed case of West Nile Virus in 2006.
 - Natality (Birth) Example: There were 790 infants born with a very low birthweight (less than 1500 grams) in 2006.
- Rate or percentage of cases in the county
 - Communicable Disease Example: For every 100,000 residents of Maricopa County, 2.0 were diagnosed with West Nile Virus in 2006.
 - Natality (Birth) Example: Among all live births in 2006, 1.2% were born with a very low birthweight.

All data in this report are for calendar year 2006.

Information on data sources and methodology are in Section V – Technical Notes.

I. Maricopa County 2006 Population Statistics

Maricopa County 2006 Population Statistics

Table 1.01 Population Estimates by Age, Sex, and Race/Ethnicity, 2006

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	159,221	8.4%	152,462	8.1%	311,683	8.3%
5-9	145,272	7.7%	138,217	7.4%	283,489	7.5%
10-14	139,821	7.4%	133,441	7.1%	273,262	7.3%
15-19	130,843	6.9%	122,198	6.5%	253,041	6.7%
20-24	132,919	7.0%	117,892	6.3%	250,811	6.7%
25-34	310,398	16.4%	278,352	14.9%	588,750	15.6%
35-44	286,596	15.1%	269,162	14.4%	555,758	14.8%
45-54	237,176	12.5%	239,106	12.8%	476,282	12.6%
55-64	172,158	9.1%	185,203	9.9%	357,361	9.5%
65-74	98,661	5.2%	113,399	6.1%	212,060	5.6%
75-84	62,497	3.3%	84,808	4.5%	147,305	3.9%
85+	20,904	1.1%	37,417	2.0%	58,321	1.6%
Total	1,896,466		1,871,657		3,768,123	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,120,051	59.1%	1,155,038	61.7%
Hispanic	587,041	31.0%	523,919	28.0%
African American	75,483	4.0%	73,063	3.9%
Amer. Ind., Non-Hisp.	27,436	1.4%	30,099	1.6%
Amer. Ind., Hisp.	9,549	0.5%	9,047	0.5%
Asian	52,214	2.8%	55,932	3.0%
Other/2+ Races	24,692	1.3%	24,559	1.3%
Total	1,896,466		1,871,657	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian Non-Hispanic		Hispanic		Asian		Other/2+ Races		Total No.
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	132,163	5.8%	143,549	12.9%	12,123	8.2%	5,965	10.4%	1,648	8.9%	8,532	7.9%	7,703	15.6%	311,683
5-9	129,201	5.7%	120,886	10.9%	11,835	8.0%	4,995	8.7%	2,082	11.2%	7,205	6.7%	7,285	14.8%	283,489
10-14	133,120	5.9%	107,246	9.7%	12,817	8.6%	4,923	8.6%	2,179	11.7%	6,719	6.2%	6,258	12.7%	273,262
15-19	133,866	5.9%	88,536	8.0%	12,658	8.5%	5,202	9.0%	1,988	10.7%	5,931	5.5%	4,860	9.9%	253,041
20-24	132,133	5.8%	90,020	8.1%	11,601	7.85%	4,828	8.4%	1,665	9.0%	6,544	6.1%	4,020	8.2%	250,811
25-34	292,875	12.9%	228,850	20.6%	23,685	15.9%	11,193	19.5%	3,240	17.4%	22,506	20.8%	6,401	13.0%	588,750
35-44	336,979	14.8%	158,048	14.2%	23,970	16.1%	8,829	15.4%	2,752	14.8%	20,351	18.8%	4,829	9.8%	555,758
45-54	340,410	15.0%	91,625	8.2%	19,050	12.8%	5,827	10.1%	1,766	9.5%	13,938	12.9%	3,666	7.4%	476,282
55-64	284,215	12.5%	47,170	4.2%	11,045	7.4%	3,269	5.7%	770	4.1%	8,576	7.9%	2,316	4.7%	357,361
65-74	176,730	7.8%	21,425	1.9%	5,896	4.0%	1,534	2.7%	369	2.0%	4,917	4.6%	1,189	2.4%	212,060
75-84	130,486	5.7%	10,272	0.9%	2,897	2.0%	714	1.2%	128	0.7%	2,266	2.1%	542	1.1%	147,305
85+	52,911	2.3%	3,333	0.3%	969	0.7%	256	0.4%	9	0.1%	661	0.6%	182	0.4%	58,321
Total	2,275,089		1,110,960		148,546		57,535		18,596		108,146		49,251		3,768,123

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2006.

Maricopa County 2006 Population Statistics

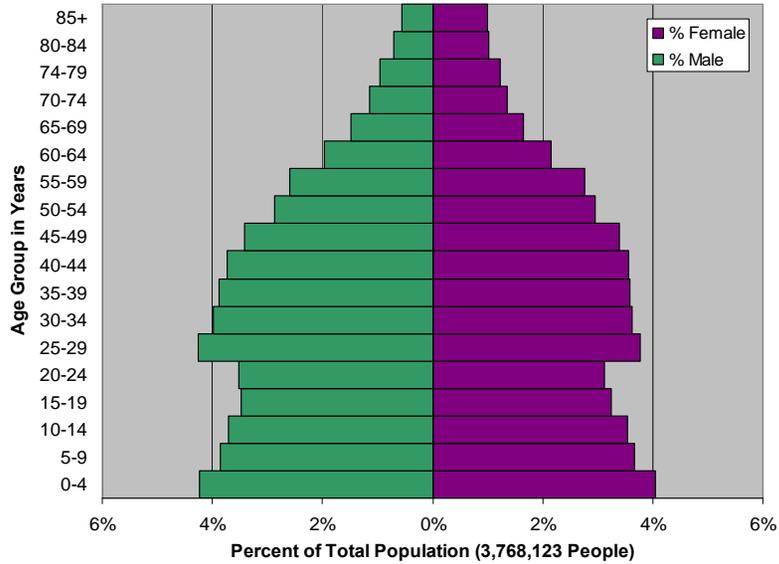
Table 1.02 Population by Race/Ethnicity, Age, and Sex, 2006

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total		
	No.	%	No.	%	No.	%	Non-Hispanic		Hispanic		No.	%		No.	%
							No.	%	No.	%					
0-4	64,765	5.6%	70,091	13.4%	6,018	8.2%	3,025	10.1%	828	9.2%	4,187	7.5%	3,548	14.4%	152,462
5-9	62,839	5.4%	58,950	11.3%	5,794	7.9%	2,480	8.2%	1,067	11.8%	3,643	6.5%	3,444	14.0%	138,217
10-14	64,816	5.6%	52,406	10.0%	6,346	8.7%	2,453	8.1%	1,047	11.6%	3,302	5.9%	3,071	12.5%	133,441
15-19	64,972	5.6%	42,424	8.1%	6,007	8.2%	2,609	8.7%	1,024	11.3%	2,806	5.0%	2,356	9.6%	122,198
20-24	64,025	5.5%	40,136	7.7%	5,408	7.4%	2,507	8.3%	842	9.3%	2,972	5.3%	2,002	8.2%	117,892
25-29	73,233	6.3%	51,810	9.9%	5,686	7.8%	3,227	10.7%	782	8.6%	5,198	9.3%	1,894	7.7%	141,830
30-34	70,892	6.1%	48,879	9.3%	5,688	7.8%	2,679	8.9%	685	7.6%	6,249	11.2%	1,450	5.9%	136,522
35-39	79,637	6.9%	39,696	7.6%	5,800	7.9%	2,307	7.7%	687	7.6%	5,761	10.3%	1,297	5.3%	135,185
40-44	86,843	7.5%	32,354	6.2%	5,845	8.0%	2,256	7.5%	592	6.5%	4,845	8.7%	1,242	5.1%	133,977
45-49	90,145	7.8%	25,353	4.8%	5,207	7.1%	1,811	6.0%	506	5.6%	4,057	7.3%	1,030	4.2%	128,109
50-54	82,119	7.1%	18,660	3.6%	4,023	5.5%	1,453	4.8%	340	3.8%	3,518	6.3%	884	3.6%	110,997
55-59	82,226	7.1%	13,929	2.7%	3,312	4.5%	1,124	3.7%	205	2.3%	2,888	5.2%	694	2.8%	104,378
60-64	65,517	5.7%	9,534	1.8%	2,376	3.3%	671	2.2%	153	1.7%	2,008	3.6%	566	2.3%	80,825
65-69	51,378	4.4%	6,658	1.3%	1,804	2.5%	543	1.8%	115	1.3%	1,575	2.8%	387	1.6%	62,460
70-74	42,831	3.7%	4,908	0.9%	1,346	1.8%	360	1.2%	86	1.0%	1,153	2.1%	255	1.0%	50,939
75+	108,800	9.4%	8,131	1.6%	2,403	3.3%	594	2.0%	88	1.0%	1,770	3.2%	439	1.8%	122,225
Total	1,155,038		523,919		73,063		30,099		9,047		55,932		24,559		1,871,657
Males															
0-4	67,398	6.0%	73,458	12.5%	6,105	8.1%	2,940	10.7%	820	8.6%	4,345	8.3%	4,155	16.8%	159,221
5-9	66,362	5.9%	61,936	10.6%	6,041	8.0%	2,515	9.2%	1,015	10.6%	3,562	6.8%	3,841	15.6%	145,272
10-14	68,304	6.1%	54,840	9.3%	6,471	8.6%	2,470	9.0%	1,132	11.9%	3,417	6.5%	3,187	12.9%	139,821
15-19	68,894	6.2%	46,112	7.9%	6,651	8.8%	2,593	9.5%	964	10.1%	3,125	6.0%	2,504	10.1%	130,843
20-24	68,108	6.1%	49,884	8.5%	6,193	8.2%	2,321	8.5%	823	8.6%	3,572	6.8%	2,018	8.2%	132,919
25-29	75,407	6.7%	68,109	11.6%	6,291	8.3%	2,840	10.4%	941	9.9%	4,844	9.3%	1,718	7.0%	160,150
30-34	73,343	6.5%	60,052	10.2%	6,020	8.0%	2,447	8.9%	832	8.7%	6,215	11.9%	1,339	5.4%	150,248
35-39	82,560	7.4%	48,144	8.2%	6,069	8.0%	2,248	8.2%	743	7.8%	5,429	10.4%	1,207	4.9%	146,400
40-44	87,939	7.9%	37,854	6.4%	6,256	8.3%	2,018	7.4%	730	7.6%	4,316	8.3%	1,083	4.4%	140,196
45-49	88,825	7.9%	28,107	4.8%	5,537	7.3%	1,493	5.4%	519	5.4%	3,575	6.8%	981	4.0%	129,037
50-54	79,321	7.1%	19,505	3.3%	4,283	5.7%	1,070	3.9%	401	4.2%	2,788	5.3%	771	3.1%	108,139
55-59	76,223	6.8%	14,377	2.4%	3,206	4.2%	934	3.4%	242	2.5%	2,148	4.1%	627	2.5%	97,757
60-64	60,249	5.4%	9,330	1.6%	2,151	2.8%	540	2.0%	170	1.8%	1,532	2.9%	429	1.7%	74,401
65-69	45,867	4.1%	5,964	1.0%	1,627	2.2%	396	1.4%	89	0.9%	1,320	2.5%	320	1.3%	55,583
70-74	36,654	3.3%	3,895	0.7%	1,119	1.5%	235	0.9%	79	0.8%	869	1.7%	227	0.9%	43,078
75+	74,597	6.7%	5,474	0.9%	1,463	1.9%	376	1.4%	49	0.5%	1,157	2.2%	285	1.2%	83,401
Total	1,120,051		587,041		75,483		27,436		9,549		52,214		24,692		1,896,466

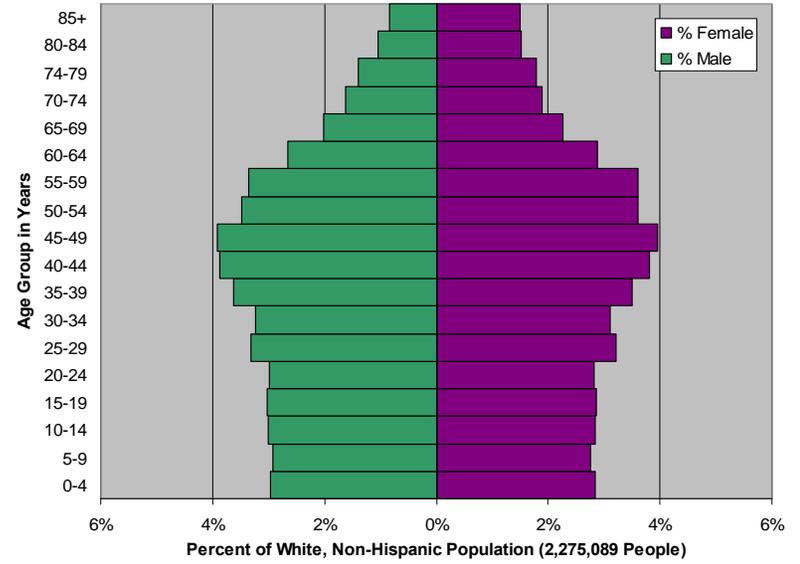
Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2006.

Maricopa County 2006 Population Statistics

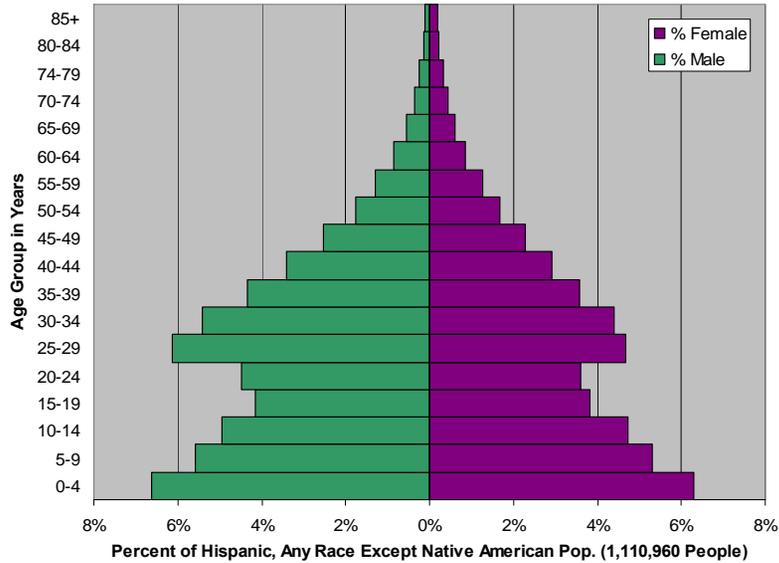
Population Pyramid for Maricopa County by Age and Sex, 2006
All Race/Ethnicities



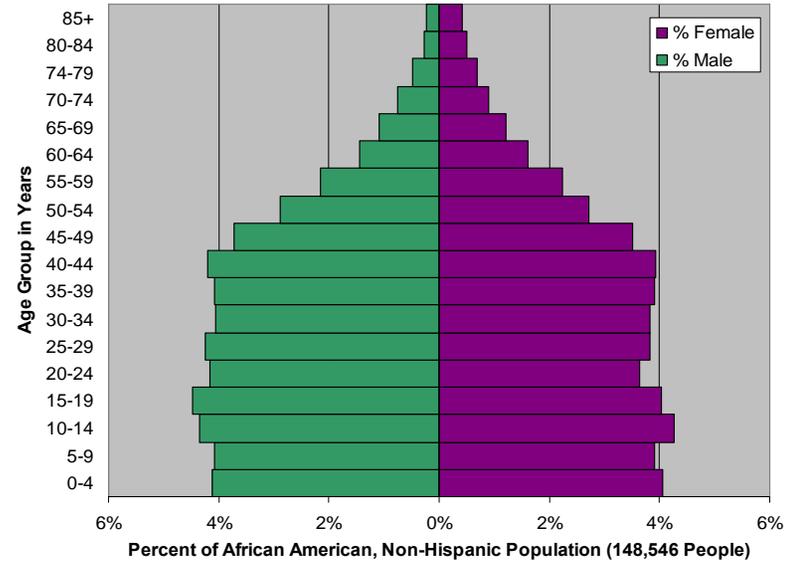
Population Pyramid for Maricopa County by Age and Sex, 2006
White, Non-Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2006
Hispanic, Any Race Except Native American

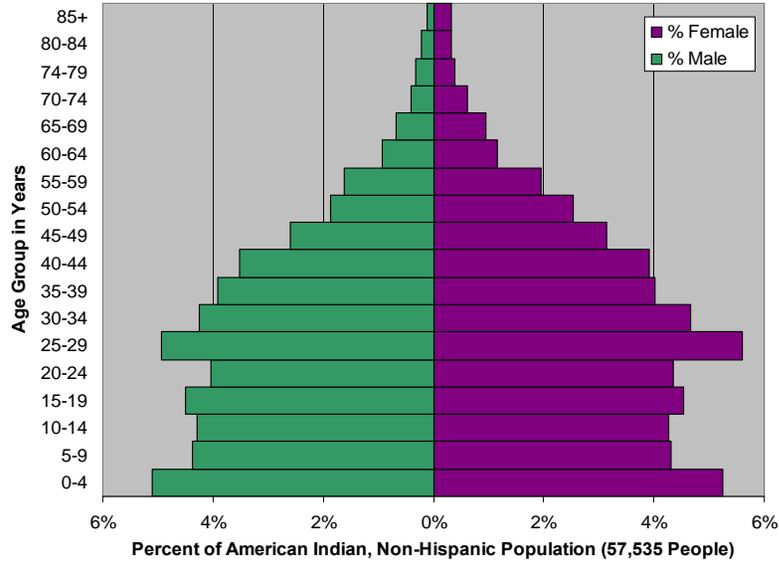


Population Pyramid for Maricopa County by Age and Sex, 2006
African-American, Non-Hispanic

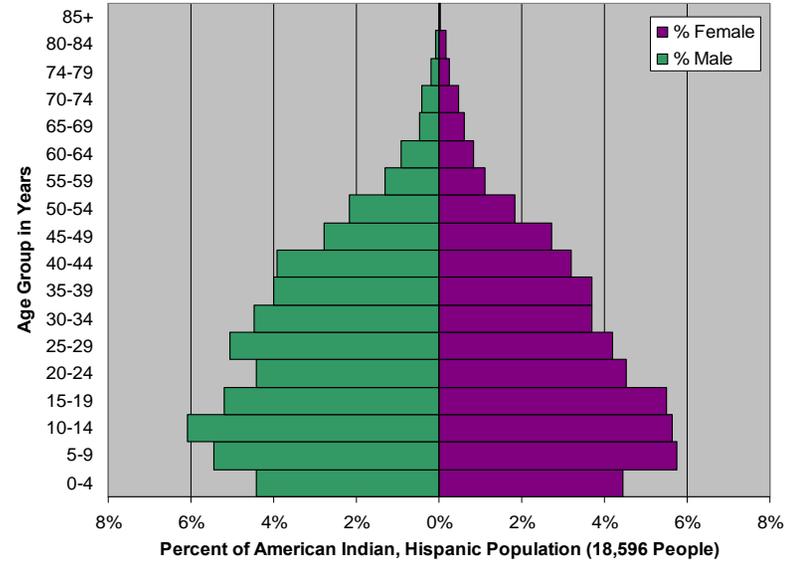


Maricopa County 2006 Population Statistics

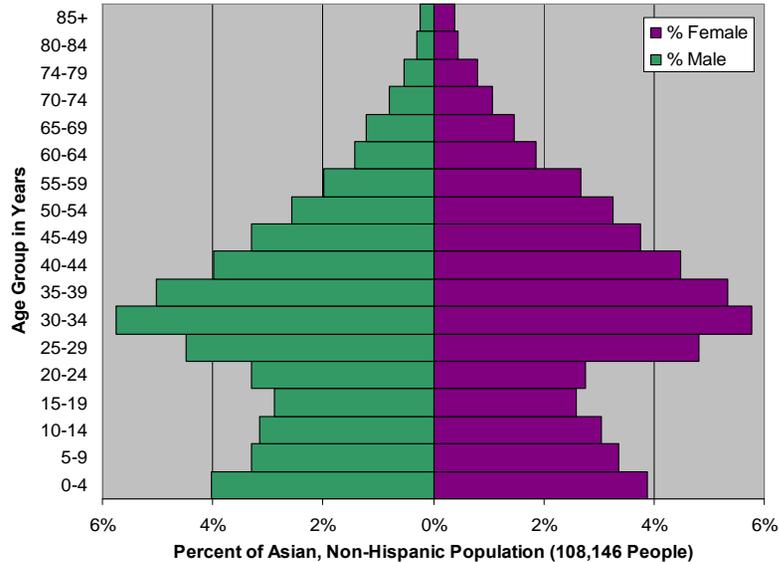
Population Pyramid for Maricopa County by Age and Sex, 2006
American Indian, Non-Hispanic



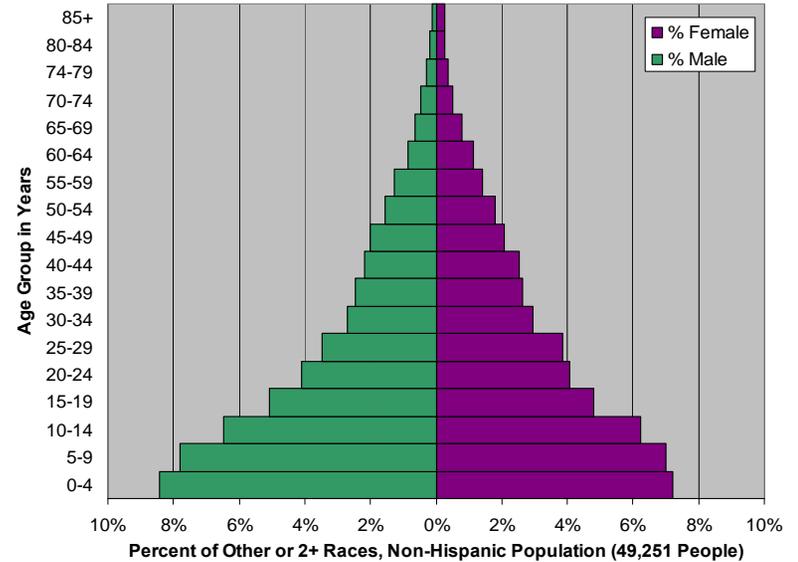
Population Pyramid for Maricopa County by Age and Sex, 2006
American Indian, Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2006
Asian, Non-Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2006
Other or 2+ Races, Non-Hispanic



II. Maricopa County 2006 Mortality (Death) Statistics

Maricopa County 2006 Mortality (Death) Statistics

Table 2.01a Number of Deaths by Age Group and Race/Ethnicity

Age Group	Race/Ethnicity							Total
	White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/Unknown	
<1	142	203	43	12	2	4	0	406
1-4	29	44	6	7	2	2	0	90
5-9	12	13	1	2	1	2	0	31
10-14	21	19	2	0	2	1	0	45
15-19	95	106	18	9	2	3	0	233
20-24	153	131	17	10	3	2	0	316
25-34	286	201	49	27	5	11	0	579
35-44	592	248	56	38	7	27	0	968
45-54	1,365	293	128	51	5	15	1	1,858
55-64	2,260	326	161	53	3	28	4	2,835
65-74	3,189	413	144	49	3	39	0	3,837
75-84	6,186	463	146	38	3	62	1	6,899
85+	6,544	307	134	26	5	50	1	7,067
Unknown	6	2	1	0	0	1	2	12
Total	20,880	2,769	906	322	43	247	9	25,176

**Table 2.01b Death Rates by Age Group and Race/Ethnicity
Crude Death Rate per 100,000 Residents**

Age Group	Race/Ethnicity							Total
	White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/Unknown	
0-4	129.4	172.1	404.2	318.5	242.7	70.3	-	159.1
5-9	9.3	10.8	8.4	40.0	48.0	27.8	-	10.9
10-14	15.8	17.7	15.6	0	91.8	14.9	-	16.5
15-19	71.0	119.7	142.2	173.0	100.6	50.6	-	92.1
20-24	115.8	145.5	146.5	207.1	180.2	30.6	-	126.0
25-34	97.7	87.8	206.9	241.2	154.3	48.9	-	98.3
35-44	175.7	156.9	233.6	430.4	254.4	132.7	-	174.2
45-54	401.0	319.8	671.9	875.2	283.1	107.6	-	390.1
55-64	795.2	691.1	1,457.7	1,621.3	389.6	326.5	-	793.3
65-74	1,804.4	1,927.7	2,442.3	3,194.3	813.0	793.2	-	1,809.4
75-84	4,740.7	4,507.4	5,039.7	5,322.1	2,343.8	2,736.1	-	4,683.5
85+	12,367.9	9,210.9	13,828.7	10,156.3	55,555.6	7,564.3	-	12,117.4
Unknown	-	-	-	-	-	-	-	-
Total	917.8	249.2	609.9	559.7	231.2	228.4	-	668.1

Maricopa County 2006 Mortality (Death) Statistics

Table 2.02a Number of Deaths by Age Group and Sex

Age Group	Sex		Total
	Male	Female	
<1	224	182	406
1-4	48	42	90
5-9	16	15	31
10-14	23	22	45
15-19	175	58	233
20-24	243	73	316
25-34	430	149	579
35-44	648	320	968
45-54	1,198	660	1,858
55-64	1,710	1,125	2,835
65-74	2,166	1,671	3,837
75-84	3,344	3,555	6,899
85+	2,598	4,469	7,067
Unknown	9	3	12
Total	12,832	12,344	25,176

**Table 2.02b Death Rates by Age Group and Sex
Crude Death Rate per 100,000 Residents**

Age Group	Sex		Total
	Male	Female	
0-4	170.8	146.9	159.1
5-9	11.0	10.9	10.9
10-14	16.4	16.5	16.5
15-19	133.7	47.5	92.1
20-24	182.8	61.9	126.0
25-34	138.5	53.5	98.3
35-44	226.1	118.9	174.2
45-54	505.1	276.0	390.1
55-64	993.3	607.4	793.3
65-74	2,195.4	1,473.6	1,809.4
75-84	5,350.7	4,191.8	4,683.5
85+	12,428.2	11,943.8	12,117.4
Unknown	-	-	-
Total	676.6	659.5	668.1

Maricopa County 2006 Mortality (Death) Statistics

Table 2.03a Selected Underlying Causes of Death by Race/Ethnicity Number of Cases

Cause		Race/Ethnicity							Total	
		White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/Unknown		
Infectious Diseases	Tuberculosis	6	3	0	1	0	0	0	10	
	Syphilis	0	0	0	0	0	0	0	0	
	HIV	55	20	11	2	0	1	0	89	
Cancer	Stomach	63	18	8	1	0	2	0	92	
	Colon	418	45	12	0	1	4	0	480	
	Pancreas	263	15	6	5	0	6	0	295	
	Lung	1,304	69	45	1	0	13	0	1,432	
	Breast	377	30	17	0	0	3	0	427	
	Uterine & Ovarian	190	20	4	2	0	4	0	220	
	Prostate	224	30	11	1	0	4	0	270	
	Urinary	247	22	5	2	0	2	0	278	
	Lymphoma	181	19	9	2	0	1	0	212	
	Leukemia	201	19	7	0	0	3	0	230	
	Other	1,098	136	33	14	1	19	1	1,302	
	All Cancer	4,566	423	157	28	2	61	1	5,238	
Diabetes and Alzheimer's	Diabetes	425	130	41	19	2	6	1	624	
	Alzheimer's	1,338	75	22	4	1	5	0	1,445	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	300	32	23	8	1	4	0	368
		Ischemic Heart Disease	3,931	343	154	47	2	45	1	4,523
		Other Heart Disease	723	65	29	9	0	2	0	828
		All Heart Disease	4,954	440	206	64	3	51	1	5,719
	Other Cardiovascular	Primary Hypertension	227	29	15	3	0	9	0	283
		Cerebrovascular	1,031	116	54	6	3	7	0	1,217
		Atherosclerosis	69	4	2	1	0	0	0	76
		Other Circulatory	156	7	7	0	0	5	0	175
		All Other Cardiovascular	1,483	156	78	10	3	21	0	1,751
		Other Respiratory Diseases	Influenza & Pneumonia	526	59	21	6	1	10	0
Chronic Lower Respiratory	1,394	52	24	9	1	4	0	1,484		
GI & Urinary	Peptic Ulcer	36	4	1	1	0	0	1	43	
	Liver Disease	253	66	8	27	2	1	0	357	
	Nephritis	168	29	10	5	1	4	0	217	
Pregnancy & Early Life	Pregnancy	3	2	0	0	0	0	0	5	
	Perinatal Conditions	81	95	21	6	2	1	0	206	
	Congenital Malformations	65	67	11	4	2	4	0	153	
	SIDS	9	9	2	1	0	0	0	21	
Other Diseases	Symptoms, Signs	506	48	18	4	1	6	1	584	
	Other Diseases	3,201	418	142	54	9	40	0	3,864	
External Causes	Motor Vehicle Collisions	358	219	29	30	0	7	0	643	
	All Other Accidents	902	173	50	17	7	10	3	1,162	
	Suicide	392	75	12	5	3	11	0	498	
	Homicide	95	193	40	21	1	4	1	355	
	Other External Causes	63	13	2	4	2	0	0	84	
	All External Causes	1,810	673	133	77	13	32	4	2,742	
Unknown		1	0	0	0	0	0	0	1	
Total		20,880	2,769	906	322	43	247	9	25,176	

Maricopa County 2006 Mortality (Death) Statistics

Table 2.03b Selected Underlying Causes of Death by Race/Ethnicity Crude Death Rate per 100,000 Residents

Cause		Race/Ethnicity							Total	
		White	Hispanic	African American	American Indian, Non-Hispanic	American Indian, Hispanic	Asian	Other/Unknown		
Infectious Diseases	Tuberculosis	0.3	0.3	0	1.7	0	0	-	0.3	
	Syphilis	0	0	0	0	0	0	-	0	
	HIV	2.4	1.8	7.4	3.5	0	0.9	-	2.4	
Cancer	Stomach	2.8	1.6	5.4	1.7	0	1.8	-	2.4	
	Colon	18.4	4.1	8.1	0	5.4	3.7	-	12.7	
	Pancreas	11.6	1.4	4.0	8.7	0	5.5	-	7.8	
	Lung	57.3	6.2	30.3	1.7	0	12.0	-	38.0	
	Breast	16.6	2.7	11.4	0	0	2.8	-	11.3	
	Uterine & Ovarian ¹	16.4	3.8	5.5	6.6	0	7.2	-	11.8	
	Prostate ¹	20.0	5.1	14.6	3.6	0	7.7	-	14.2	
	Urinary	10.9	2.0	3.4	3.5	0	1.8	-	7.4	
	Lymphoma	8.0	1.7	6.1	3.5	0	0.9	-	5.6	
	Leukemia	8.8	1.7	4.7	0	0	2.8	-	6.1	
	Other	48.3	12.2	22.2	24.3	5.4	17.6	-	34.6	
	All Cancer	200.7	38.1	105.7	48.7	10.8	56.4	-	139.0	
	Diabetes and Alzheimer's	Diabetes	18.7	11.7	27.6	33.0	10.8	5.5	-	16.6
Alzheimer's		58.8	6.8	14.8	7.0	5.4	4.6	-	38.3	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	13.2	2.9	15.5	13.9	5.4	3.7	-	9.8
		Ischemic Heart Disease	172.8	30.9	103.7	81.7	10.8	41.6	-	120.0
		Other Heart Disease	31.8	5.9	19.5	15.6	0	1.8	-	22.0
		All Heart Disease	217.7	39.6	138.7	111.2	16.1	47.2	-	151.8
	Other Cardiovascular	Primary Hypertension	10.0	2.6	10.1	5.2	0	8.3	-	7.5
		Cerebrovascular	45.3	10.4	36.4	10.4	16.1	6.5	-	32.3
		Atherosclerosis	3.0	0.4	1.3	1.7	0	0	-	2.0
		Other Circulatory	6.9	0.6	4.7	0	0	4.6	-	4.6
		All Other Cardiovascular	65.2	14.0	52.5	17.4	16.1	19.4	-	46.5
		Other Respiratory Diseases	Influenza & Pneumonia	23.1	5.3	14.1	10.4	5.4	9.2	-
	Chronic Lower Respiratory	61.3	4.7	16.2	15.6	5.4	3.7	-	39.4	
GI & Urinary	Peptic Ulcer	1.6	0.4	0.7	1.7	0	0	-	1.1	
	Liver Disease	11.1	5.9	5.4	46.9	10.8	0.9	-	9.5	
	Nephritis	7.4	2.6	6.7	8.7	5.4	3.7	-	5.8	
Pregnancy & Early Life	Pregnancy ¹	0.3	0.4	0	0	0	0	-	0.3	
	Perinatal Conditions	3.6	8.6	14.1	10.4	10.8	0.9	-	5.5	
	Congenital Malformations	2.9	6.0	7.4	7.0	10.8	3.7	-	4.1	
	SIDS ²	0.3	0.3	0.7	0.5	0	0	-	0.3	
Other Diseases	Symptoms, Signs	22.2	4.3	12.1	7.0	5.4	5.5	-	15.5	
	Other Diseases	140.7	37.6	95.6	93.9	48.4	37.0	-	102.5	
External Causes	Motor Vehicle Collisions	15.7	19.7	19.5	52.1	0	6.5	-	17.1	
	All Other Accidents	39.6	15.6	33.7	29.5	37.6	9.2	-	30.8	
	Suicide	17.2	6.8	8.1	8.7	16.1	10.2	-	13.2	
	Homicide	4.2	17.4	26.9	36.5	5.4	3.7	-	9.4	
	Other External Causes	2.8	1.2	1.3	7.0	10.8	0	-	2.2	
	All External Causes	79.6	60.6	89.5	133.8	69.9	29.6	-	72.8	
Unknown		0.0	0	0	0	0	0	-	0.0	
Total		917.8	249.2	609.9	559.7	231.2	228.4	-	668.1	

¹ Uterine & ovarian cancer and pregnancy rates are per 100,000 females; prostate cancer rates are per 100,000 males.

² Sudden Infant Death Syndrome (SIDS) rates are per 1,000 live births.

Maricopa County 2006 Mortality (Death) Statistics

**Table 2.04a Selected Underlying Causes of Death by Age Group
Number of Cases**

Cause		Age Group													Total		
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unk.	
Infectious Diseases	Tuberculosis	0	0	0	0	0	0	0	1	0	0	4	3	2	0	10	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	HIV	0	0	0	0	0	1	9	30	36	13	0	0	0	0	89	
Cancer	Stomach	0	0	0	0	0	0	2	4	10	11	22	27	16	0	92	
	Colon	0	0	0	0	0	0	5	12	44	69	99	147	104	0	480	
	Pancreas	0	0	0	0	0	0	1	6	20	59	81	84	44	0	295	
	Lung	0	0	0	0	1	0	0	9	102	277	459	443	141	0	1,432	
	Breast	0	0	0	0	0	0	2	24	52	97	72	104	75	1	427	
	Uterine & Ovarian	0	0	0	0	0	0	4	13	23	45	55	51	29	0	220	
	Prostate	0	0	0	0	0	0	0	0	2	28	50	103	87	0	270	
	Urinary	0	0	0	0	0	0	1	2	17	43	64	90	61	0	278	
	Lymphoma	0	0	1	0	0	1	2	8	17	27	44	72	40	0	212	
	Leukemia	1	3	1	3	2	3	7	5	16	28	53	68	40	0	230	
	Other	1	2	1	2	4	3	14	45	141	260	302	363	164	0	1,302	
	All Cancer	2	5	3	5	7	7	38	128	444	944	1,301	1,552	801	1	5,238	
Diabetes and Alzheimer's	Diabetes	0	0	0	0	0	1	8	19	57	117	146	174	102	0	624	
	Alzheimer's	0	0	0	0	0	0	0	1	2	6	66	452	918	0	1,445	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0	1	0	3	12	44	53	48	78	129	0	368
		Ischemic Heart Disease	0	0	1	0	0	1	12	52	217	491	663	1,381	1,704	1	4,523
		Other Heart Disease	4	3	2	1	4	2	15	25	57	75	103	233	304	0	828
		All Heart Disease	4	3	3	1	5	3	30	89	318	619	814	1,692	2,137	1	5,719
	Other Cardiovascular	Primary Hypertension	0	0	0	0	1	0	2	3	6	24	42	95	110	0	283
		Cerebrovascular	1	0	1	0	1	3	8	26	47	94	153	385	498	0	1,217
		Atherosclerosis	0	0	0	0	0	0	0	0	4	2	12	18	40	0	76
		Other Circulatory	0	0	0	0	0	1	3	1	14	15	40	48	53	0	175
All Other Cardiovascular	1	0	1	0	2	4	13	30	71	135	247	546	701	0	1,751		

(Continued)

Maricopa County 2006 Mortality (Death) Statistics

Cause		Age Group													Total	
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unk.
Other Respiratory Diseases	Influenza & Pneumonia	11	3	1	0	2	3	7	16	27	61	88	166	238	0	623
	Chronic Lower Respiratory	0	0	0	3	0	0	3	4	37	141	336	620	340	0	1,484
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	1	1	6	6	4	11	14	0	43
	Liver Disease	0	0	0	0	0	2	6	38	100	81	67	43	20	0	357
	Nephritis	4	0	0	0	0	0	1	6	10	25	37	73	61	0	217
Pregnancy & Early Life	Pregnancy	0	0	0	0	0	2	1	2	0	0	0	0	0	0	5
	Perinatal Conditions	203	2	0	0	0	0	0	0	0	0	0	0	0	1	206
	Congenital Malformations	89	13	3	7	3	6	4	3	2	8	5	8	2	0	153
	SIDS	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Other Diseases	Symptoms, Signs	19	7	0	0	3	4	13	12	20	22	26	130	326	2	584
	Other Diseases	35	21	8	5	17	24	54	157	323	399	547	1,138	1,135	1	3,864
External Causes	Motor Vehicle Collisions	2	16	7	8	83	78	110	87	99	59	31	46	16	1	643
	All Other Accidents	10	14	3	5	20	52	93	177	163	114	74	205	229	3	1,162
	Suicide	0	0	1	4	29	50	75	93	88	66	36	33	22	1	498
	Homicide	4	5	0	6	56	71	100	54	39	12	4	2	1	1	355
	Other External Causes	1	1	1	1	6	8	13	20	16	7	4	5	1	0	84
	All External Causes	17	36	12	24	194	259	391	431	405	258	149	291	269	6	2,742
Unknown		0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Total		406	90	31	45	233	316	579	968	1,858	2,835	3,837	6,899	7,067	12	25,176

Maricopa County 2006 Mortality (Death) Statistics

**Table 2.04b Selected Underlying Causes of Death by Age Group
Crude Death Rate per 100,000 Residents**

Cause		Age Group													Total	
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.		
Infectious Diseases	Tuberculosis	0	0	0	0	0	0	0.2	0	0	1.9	2.0	3.4	-	0.3	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	-	0	
	HIV	0	0	0	0	0.4	1.5	5.4	7.6	3.6	0	0	0	-	2.4	
Cancer	Stomach	0	0	0	0	0	0.3	0.7	2.1	3.1	10.4	18.3	27.4	-	2.4	
	Colon	0	0	0	0	0	0.8	2.2	9.2	19.3	46.7	99.8	178.3	-	12.7	
	Pancreas	0	0	0	0	0	0.2	1.1	4.2	16.5	38.2	57.0	75.4	-	7.8	
	Lung	0	0	0	0.4	0	0	1.6	21.4	77.5	216.4	300.7	241.8	-	38.0	
	Breast	0	0	0	0	0	0.3	4.3	10.9	27.1	34.0	70.6	128.6	-	11.3	
	Uterine & Ovarian ¹	0	0	0	0	0	1.4	4.8	9.6	24.3	48.5	60.1	77.5	-	11.8	
	Prostate ¹	0	0	0	0	0	0	0	0.8	16.3	50.7	164.8	416.2	-	14.2	
	Urinary	0	0	0	0	0	0.2	0.4	3.6	12.0	30.2	61.1	104.6	-	7.4	
	Lymphoma	0	0.4	0	0	0.4	0.3	1.4	3.6	7.6	20.7	48.9	68.6	-	5.6	
	Leukemia	1.3	0.4	1.1	0.8	1.2	1.2	0.9	3.4	7.8	25.0	46.2	68.6	-	6.1	
	Other	1.0	0.4	0.7	1.6	1.2	2.4	8.1	29.6	72.8	142.4	246.4	281.2	-	34.6	
	All Cancer	2.2	1.1	1.8	2.8	2.8	6.5	23.0	93.2	264.2	613.5	1,053.6	1,373.4	-	139.0	
Diabetes and Alzheimer's	Diabetes	0	0	0	0	0.4	1.4	3.4	12.0	32.7	68.8	118.1	174.9	-	16.6	
	Alzheimer's	0	0	0	0	0	0	0.2	0.4	1.7	31.1	306.8	1,574.0	-	38.3	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0.4	0	0.5	2.2	9.2	14.8	22.6	53.0	221.2	-	9.8
		Ischemic Heart Disease	0	0.4	0	0	0.4	2.0	9.4	45.6	137.4	312.6	937.5	2,921.8	-	120.0
		Other Heart Disease	2.2	0.7	0.4	1.6	0.8	2.5	4.5	12.0	21.0	48.6	158.2	521.3	-	22.0
		All Heart Disease	2.2	1.1	0.4	2.0	1.2	5.1	16.0	66.8	173.2	383.9	1,148.6	3,664.2	-	151.8
	Other Cardiovascular	Primary Hypertension	0	0	0	0.4	0	0.3	0.5	1.3	6.7	19.8	64.5	188.6	-	7.5
		Cerebrovascular	0.3	0.4	0	0.4	1.2	1.4	4.7	9.9	26.3	72.1	261.4	853.9	-	32.3
		Atherosclerosis	0	0	0	0	0	0	0	0.8	0.6	5.7	12.2	68.6	-	2.0
		Other Circulatory	0	0	0	0	0.4	0.5	0.2	2.9	4.2	18.9	32.6	90.9	-	4.6
All Other Cardiovascular	0.3	0.4	0.0	0.8	1.6	2.2	5.4	14.9	37.8	116.5	370.7	1,202.0	-	46.5		

(Continued)

Maricopa County 2006 Mortality (Death) Statistics

Cause		Age Group												Total	
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unk.
Other Respiratory Diseases	Influenza & Pneumonia	4.5	0.4	0	0.8	1.2	1.2	2.9	5.7	17.1	41.5	112.7	408.1	-	16.5
	Chronic Lower Respiratory	0	0	1.1	0	0	0.5	0.7	7.8	39.5	158.4	420.9	583.0	-	39.4
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0.2	0.2	1.3	1.7	1.9	7.5	24.0	-	1.1
	Liver Disease	0	0	0	0	0.8	1.0	6.8	21.0	22.7	31.6	29.2	34.3	-	9.5
	Nephritis	1.3	0	0	0	0	0.2	1.1	2.1	7.0	17.4	49.6	104.6	-	5.8
Pregnancy & Early Life	Pregnancy ¹	0	0	0	0	1.7	0.4	0.7	0	0	0	0	0	-	0.3
	Perinatal Conditions	65.8	0	0	0	0	0	0	0	0	0	0	0	-	5.5
	Congenital Malformations	32.7	1.1	2.6	1.2	2.4	0.7	0.5	0.4	2.2	2.4	5.4	3.4	-	4.1
	SIDS ²	0.3	0	0	0	0	0	0	0	0	0	0	0	-	0.3
Other Diseases	Symptoms, Signs	8.3	0	0	1.2	1.6	2.2	2.2	4.2	6.2	12.3	88.3	559.0	-	15.5
	Other Diseases	18.0	2.8	1.8	6.7	9.6	9.2	28.2	67.8	111.7	257.9	772.5	1,946.1	-	102.5
External Causes	Motor Vehicle Collisions	5.8	2.5	2.9	32.8	31.1	18.7	15.7	20.8	16.5	14.6	31.2	27.4	-	17.1
	All Other Accidents	7.7	1.1	1.8	7.9	20.7	15.8	31.8	34.2	31.9	34.9	139.2	392.7	-	30.8
	Suicide	0	0.4	1.5	11.5	19.9	12.7	16.7	18.5	18.5	17.0	22.4	37.7	-	13.2
	Homicide	2.9	0	2.2	22.1	28.3	17.0	9.7	8.2	3.4	1.9	1.4	1.7	-	9.4
	Other External Causes	0.6	0.4	0.4	2.4	3.2	2.2	3.6	3.4	2.0	1.9	3.4	1.7	-	2.2
	All External Causes	17.0	4.2	8.8	76.7	103.3	66.4	77.6	85.0	72.2	70.3	197.5	461.2	-	72.8
Unknown		0	0	0	0	0	0	0	0	0	0	0	1.7	-	0.0
Total		159.1	10.9	16.5	92.1	126.0	98.3	174.2	390.1	793.3	1,809.4	4,683.5	12,117.4	-	668.1

¹ Uterine & ovarian cancer and pregnancy rates are per 100,000 females; prostate cancer rates are per 100,000 males.

² Sudden Infant Death Syndrome (SIDS) rates are per 1,000 live births.

Maricopa County 2006 Mortality (Death) Statistics

**Table 2.05a Selected Underlying Causes of Death by Sex
Number of Cases**

Cause		Sex		Total	
		Male	Female		
Infectious Diseases	Tuberculosis	4	6	10	
	Syphilis	0	0	0	
	HIV	74	15	89	
Cancer	Stomach	56	36	92	
	Colon	251	229	480	
	Pancreas	151	144	295	
	Lung	783	649	1,432	
	Breast	5	422	427	
	Uterine & Ovarian	-	220	220	
	Prostate	270	-	270	
	Urinary	187	91	278	
	Lymphoma	122	90	212	
	Leukemia	143	87	230	
	Other	786	516	1,302	
	All Cancer	2,754	2,484	5,238	
	Diabetes and Alzheimer's	Diabetes	327	297	624
		Alzheimer's	444	1,001	1,445
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	180	188	368
		Ischemic Heart Disease	2,413	2,110	4,523
		Other Heart Disease	383	445	828
		All Heart Disease	2,976	2,743	5,719
	Other Cardiovascular	Primary Hypertension	111	172	283
		Cerebrovascular	471	746	1,217
		Atherosclerosis	45	31	76
		Other Circulatory	101	74	175
		All Other Cardiovascular	728	1,023	1,751
Other Respiratory Diseases	Influenza & Pneumonia	308	315	623	
	Chronic Lower Respiratory	681	803	1,484	
GI & Urinary	Peptic Ulcer	27	16	43	
	Liver Disease	225	132	357	
	Nephritis	112	105	217	
Pregnancy & Early Life	Pregnancy	-	5	5	
	Perinatal Conditions	104	102	206	
	Congenital Malformations	87	66	153	
	SIDS	12	9	21	
Other Diseases	Symptoms, Signs	239	345	584	
	Other Diseases	1,862	2,002	3,864	
External Causes	Motor Vehicle Collisions	446	197	643	
	All Other Accidents	698	464	1,162	
	Suicide	379	119	498	
	Homicide	295	60	355	
	Other External Causes	49	35	84	
	All External Causes	1,867	875	2,742	
Unknown		1	0	1	
Total		12,832	12,344	25,176	

Maricopa County 2006 Mortality (Death) Statistics

**Table 2.05b Selected Underlying Causes of Death by Sex
Crude Death Rate per 100,000 Residents**

Cause		Sex		Total	
		Male	Female		
Infectious Diseases	Tuberculosis	0.2	0.3	0.3	
	Syphilis	0	0	0	
	HIV	3.9	0.8	2.4	
Cancer	Stomach	3.0	1.9	2.4	
	Colon	13.2	12.2	12.7	
	Pancreas	8.0	7.7	7.8	
	Lung	41.3	34.7	38.0	
	Breast	0.3	22.5	11.3	
	Uterine & Ovarian ¹	-	11.8	11.8	
	Prostate ¹	14.2	-	14.2	
	Urinary	9.9	4.9	7.4	
	Lymphoma	6.4	4.8	5.6	
	Leukemia	7.5	4.6	6.1	
	Other	41.4	27.6	34.6	
	All Cancer	145.2	132.7	139.0	
	Diabetes and Alzheimer's	Diabetes	17.2	15.9	16.6
		Alzheimer's	23.4	53.5	38.3
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	9.5	10.0	9.8
		Ischemic Heart Disease	127.2	112.7	120.0
		Other Heart Disease	20.2	23.8	22.0
		All Heart Disease	156.9	146.6	151.8
	Other Cardiovascular	Primary Hypertension	5.9	9.2	7.5
		Cerebrovascular	24.8	39.9	32.3
		Atherosclerosis	2.4	1.7	2.0
		Other Circulatory	5.3	4.0	4.6
		All Other Cardiovascular	38.4	54.7	46.5
		Other Respiratory Diseases	Influenza & Pneumonia	16.2	16.8
	Chronic Lower Respiratory	35.9	42.9	39.4	
GI & Urinary	Peptic Ulcer	1.4	0.9	1.1	
	Liver Disease	11.9	7.1	9.5	
	Nephritis	5.9	5.6	5.8	
Pregnancy & Early Life	Pregnancy ¹	-	0.3	0.3	
	Perinatal Conditions	5.5	5.4	5.5	
	Congenital Malformations	4.6	3.5	4.1	
	SIDS ²	0.4	0.3	0.3	
Other Diseases	Symptoms, Signs	12.6	18.4	15.5	
	Other Diseases	98.2	107.0	102.5	
External Causes	Motor Vehicle Collisions	23.5	10.5	17.1	
	All Other Accidents	36.8	24.8	30.8	
	Suicide	20.0	6.4	13.2	
	Homicide	15.6	3.2	9.4	
	Other External Causes	2.6	1.9	2.2	
	All External Causes	98.4	46.8	72.8	
Unknown		0.1	0	0.0	
Total		676.6	659.5	668.1	

¹ Uterine & ovarian cancer and pregnancy rates are per 100,000 females; prostate cancer rates are per 100,000 males.

² Sudden Infant Death Syndrome (SIDS) rates are per 1,000 live births.

Maricopa County 2006 Mortality (Death) Statistics

**Table 2.06a Firearm, Drug, and Alcohol Induced and Related Deaths by Age Group
Number of Cases**

Age Group	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
0-9	1	2	2	2	0	0
10-14	10	1	2	2	0	0
15-19	70	12	13	13	0	1
20-24	107	29	33	33	3	12
25-34	127	78	85	85	11	23
35-44	91	173	193	194	47	84
45-54	65	160	184	207	115	179
55-64	50	72	81	119	79	130
65-74	25	20	18	65	58	84
75-84	24	12	12	72	20	28
85+	12	9	5	32	5	8
Unknown	1	1	1	1	0	1
Total	583	569	629	825	338	550

**Table 2.06b Firearm, Drug, and Alcohol Induced and Related Deaths by Age Group
Crude Death Rate per 100,000 Residents**

Age Group	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
0-9	0.2	0.3	0.3	0.3	0	0
10-14	3.7	0.4	0.7	0.7	0	0
15-19	27.7	4.7	5.1	5.1	0	0.4
20-24	42.7	11.6	13.2	13.2	1.2	4.8
25-34	21.6	13.2	14.4	14.4	1.9	3.9
35-44	16.4	31.1	34.7	34.9	8.5	15.1
45-54	13.6	33.6	38.6	43.5	24.1	37.6
55-64	14.0	20.1	22.7	33.3	22.1	36.4
65-74	11.8	9.4	8.5	30.7	27.4	39.6
75-84	16.3	8.1	8.1	48.9	13.6	19.0
85+	20.6	15.4	8.6	54.9	8.6	13.7
Unknown	-	-	-	-	-	-
Total	15.5	15.1	16.7	21.9	9.0	14.6

Note: Firearm, drug, and alcohol induced and related deaths are also included in other categories, e.g., suicide, homicide or unintentional injuries. Refer to the Technical Notes for a complete explanation of induced versus related deaths involving firearms, drugs, or alcohol.

Maricopa County 2006 Mortality (Death) Statistics

**Table 2.07a Firearm, Drug, and Alcohol Induced and Related Deaths by Race/Ethnicity
Number of Cases**

Race/Ethnicity	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
White	301	438	471	650	230	384
Hispanic	213	77	87	95	66	101
African American	42	32	45	50	6	10
American Indian, Non-Hispanic	16	10	14	16	32	50
American Indian, Hispanic	5	6	6	7	3	4
Asian	5	5	5	6	1	1
Other/Unknown	1	1	1	1	0	0
Total	583	569	629	825	338	550

**Table 2.07b Firearm, Drug, and Alcohol Induced and Related Deaths by Race/Ethnicity
Crude Death Rate per 100,000 Residents**

Race/Ethnicity	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
White	13.2	19.3	20.7	28.6	10.1	16.9
Hispanic	19.2	6.9	7.8	8.6	5.9	9.1
African American	28.3	21.5	30.3	33.7	4.0	6.7
American Indian, Non-Hispanic	27.8	17.4	24.3	27.8	55.6	86.9
American Indian, Hispanic	26.9	32.3	32.3	37.6	16.1	21.5
Asian	4.6	4.6	4.6	5.5	0.9	0.9
Other/Unknown	-	-	-	-	-	-
Total	15.5	15.1	16.7	21.9	9.0	14.6

**Table 2.08a Firearm, Drug, and Alcohol Induced and Related Deaths by Sex
Number of Cases**

Sex	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
Male	495	357	399	504	247	412
Female	88	212	230	321	91	138
Total	583	569	629	825	338	550

**Table 2.08b Firearm, Drug, and Alcohol Induced and Related Deaths by Sex
Crude Death Rate per 100,000 Residents**

Sex	Firearm Induced	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco	Alcohol Induced	Alcohol Related
Male	26.1	18.8	21.0	26.6	13.0	21.7
Female	4.7	11.3	12.3	17.2	4.9	7.4
Total	15.5	15.1	16.7	21.9	9.0	14.6

Note: Firearm, drug, and alcohol induced and related deaths are also included in other categories, e.g., suicide, homicide or unintentional injuries. Refer to the Technical Notes for a complete explanation of induced versus related deaths involving firearms, drugs, or alcohol.

Maricopa County 2006 Mortality (Death) Statistics

Table 2.09 Heat Induced Deaths by Age, Race/Ethnicity, and Sex

2006 Deaths to Maricopa County Residents		
	Number Of Cases	Rate per 100,000 Residents
Race/Ethnicity		
White	29	1.3
Hispanic	7	0.6
African-American	3	2.0
American Indian, Non-Hispanic	1	1.7
American Indian, Hispanic	0	0
Asian	0	0
Other/Unknown	0	-
Total	40	1.1
Age at Death		
0-4	0	0
5-9	0	0
10-14	0	0
15-19	0	0
20-24	0	0
25-34	1	0.2
35-44	6	1.1
45-54	13	2.7
55-64	8	2.2
65-74	4	1.9
75-84	4	2.7
85 and Older	4	6.9
Total	40	1.1
Sex		
Male	28	1.5
Female	12	0.6
Total	40	1.1

This table includes all known 2006 deaths with exposure to excessive natural heat as the underlying cause of death.

Maricopa County 2006 Mortality (Death) Statistics

Table 2.10 Number and Percent of Deaths by Race/Ethnicity and Marital Status

Marital Status	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Never Married	1,712	8.2	860	31.1	236	26.0	111	34.5	24	55.8	34	13.8	0	0	2,977	11.8
Married	8,265	39.6	1,017	36.7	231	25.5	80	24.8	9	20.9	125	50.6	1	11.1	9,728	38.6
Widowed	7,623	36.5	530	19.1	224	24.7	62	19.3	4	9.3	66	26.7	0	0	8,509	33.8
Divorced	3,137	15.0	338	12.2	199	22.0	68	21.1	6	14.0	20	8.1	1	11.1	3,769	15.0
Unknown	143	0.7	24	0.9	16	1.8	1	0.3	0	0	2	0.8	7	77.8	193	0.8
Total	20,880		2,769		906		322		43		247		9		25,176	

Table 2.11 Number and Percent of Deaths by Race/Ethnicity and Education Level

Educational Level	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	184	0.9	303	10.9	43	4.7	18	5.6	4	9.3	9	3.6	0	0	561	2.2
Grade 1-6	356	1.7	633	22.9	58	6.4	26	8.1	4	9.3	20	8.1	0	0	1,097	4.4
Some High School	2,717	13.0	722	26.1	182	20.1	78	24.2	17	39.5	39	15.8	0	0	3,755	14.9
HS Graduate	8,787	42.1	621	22.4	306	33.8	105	32.6	9	20.9	78	31.6	1	11.1	9,907	39.4
Some College	4,330	20.7	268	9.7	178	19.6	63	19.6	4	9.3	40	16.2	0	0	4,883	19.4
College Graduate	2,463	11.8	63	2.3	62	6.8	12	3.7	0	0	27	10.9	0	0	2,627	10.4
Graduate School	1,683	8.1	55	2.0	46	5.1	9	2.8	2	4.7	27	10.9	1	11.1	1,823	7.2
Unknown	360	1.7	104	3.8	31	3.4	11	3.4	3	7.0	7	2.8	7	77.8	523	2.1
Total	20,880		2,769		906		322		43		247		9		25,176	

Table 2.12 Number and Percent of Deaths by Race/Ethnicity and Sex

Sex	Race/Ethnicity														Total	
	White		Hispanic		African American		American Indian, Non-Hispanic		American Indian, Hispanic		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Male	10,263	49.2	1,699	61.4	532	58.7	176	54.7	29	67.4	126	51.0	8	88.9	12,833	51.0
Female	10,617	50.8	1,070	38.6	374	41.3	146	45.3	14	32.6	121	49.0	1	11.1	12,343	49.0
Total	20,880		2,769		906		322		43		247		9		25,176	

Maricopa County 2006 Mortality (Death) Statistics

Table 2.13 Crude and Age Adjusted Rates for Selected Underlying Causes of Death by Race/Ethnicity

Crude Death Rates							
	White	Hispanic	African American	Amer. Ind. Non-Hisp.	Amer. Ind. Hispanic	Asian	Total
All Causes - Total	917.8	249.2	609.9	559.7	231.2	228.4	668.1
Heart Disease	217.7	39.6	138.7	111.2	16.1	47.2	151.8
All Cancer	200.7	38.1	105.7	48.7	10.8	56.4	139.0
Cerebrovascular	45.3	10.4	36.4	10.4	16.1	6.5	32.3
Unintentional Injuries ¹	54.1	34.9	52.5	80.0	37.6	15.7	47.0
Pneumonia & Influenza	23.1	5.3	14.1	10.4	5.4	9.2	16.5
Diabetes (single cause)	18.7	11.7	27.6	33.0	10.8	5.5	16.6
Suicide	17.2	6.8	8.1	8.7	16.1	10.2	13.2
Homicide	4.2	17.4	26.9	36.5	5.4	3.7	9.4
AIDS and HIV	2.4	1.8	7.4	3.5	0	0.9	2.4
Asthma	1.3	0.3	2.0	0	5.4	0	1.0
Drug Induced	19.3	6.9	21.5	17.4	32.3	0.9	15.1
Firearm Related	13.2	19.2	28.3	27.8	26.9	4.6	15.5
Alcohol Induced	10.1	5.9	4.0	55.6	16.1	0.9	9.0
Age Adjusted Death Rates							
	White	Hispanic	African American	Amer. Ind. Non-Hisp.	Amer. Ind. Hispanic	Asian	Total
All Causes	712.4	645.4	935.2	1,020.4	1,201.0	377.2	708.9
Heart Disease	162.8	140.2	234.2	274.8	45.1	90.1	161.6
Cancer	157.0	116.7	160.9	107.1	46.4	85.3	150.0
Cerebrovascular	33.6	35.0	65.3	29.5	350.5	12.1	34.5
Unintentional Injuries ¹	47.8	49.1	59.4	95.5	36.7	21.9	48.4
Pneumonia & Influenza	17.4	17.7	19.5	20.4	172.3	19.5	17.5
Diabetes (single cause)	14.6	38.6	47.4	70.4	22.1	10.8	17.8
Suicide	16.0	8.0	7.6	6.2	11.8	10.0	13.5
Homicide	4.2	15.3	24.3	30.1	3.6	3.8	9.3
AIDS and HIV	2.3	2.4	7.5	4.2	0	0.8	2.4
Asthma	1.1	0.5	2.0	0	3.4	0	1.0
Drug Induced	18.5	9.5	23.6	19.0	29.2	4.5	15.6
Firearm Related	12.6	17.4	25.3	21.3	18.8	4.4	15.6
Alcohol Induced	8.7	10.9	5.5	78.9	33.4	1.0	9.4

Note: The methods used for age adjusting may be found in the Technical Notes.

¹ Unintentional injuries listed in this table include 1,770 deaths from unintentional injuries, but do not include the 35 deaths from complications of medical or surgical care. The figure in this table is comparable to the HP 2010 goal for deaths due to unintentional injury. See Technical Notes for details

Maricopa County 2006 Mortality (Death) Statistics

Table 2.14 Death Rate Comparisons to Arizona, U.S. and Healthy People 2010 Goals for Selected Underlying Causes of Death

Causes of Death	2006 Maricopa County		Age Adjusted Rate (Deaths per 100,000 Residents)			
	No. of Individuals	Crude Rate (Deaths per 100,000 Residents)	Maricopa County 2006	Arizona 2006	U.S. 2004/ 2005 ⁴	Healthy People 2010 Goal
All Causes	25,176	668.1	708.9	727.3	798.8	
Heart Disease	5,719	151.8	161.6	166.1	210.3	-
Coronary Heart Disease	4,875	129.4	137.8	130.2	-	166.0
All Other Heart Disease	844	22.4	-	-	-	-
All Cancers	5,238	139.0	150.0	154.7	183.8	159.9
Lung, Trachea, Bronchus Cancer	1,432	38.0	41.5	42.7	52.6	44.9
Female Breast Cancer ¹	422	22.5	21.6	21.6	24.4	22.3
Prostate Cancer ¹	270	14.2	18.7	20.1	25.4	28.8
All Other Cancers	3,113	82.6	-	-	-	-
Cerebrovascular Disease (Stroke)	1,217	32.3	34.5	34.8	46.6	48.0
Unintentional Injuries (Accidents) ²	1,770	47.0	48.4	51.2	38.1	17.5
Motor Vehicle	643	17.1	17.3	19.6	15.1	-
Falls	441	11.7	12.4	11.3	6.3	-
Accidental Poisoning	384	10.2	10.4	10.8	7.2	-
Drowning	56	1.5	1.5	1.5	1.2	-
All Other Unintentional Injuries	246	6.5	-	-	-	-
Pneumonia & Influenza	623	16.5	17.5	18.4	20.3	-
Diabetes	624	16.6	17.8	18.9	24.5	45.0
Suicide	498	13.2	13.5	15.4	10.6	5.0
Homicide	355	9.4	9.3	8.5	5.9	3.0
AIDS & HIV	89	2.4	2.4	2.3	4.2	0.7 ³
Asthma	37	1.0	1.0	-	1.3	-
Drug Induced	569	15.1	15.6	15.1	10.2	1.0
Firearm Related	583	15.5	15.6	15.4	10.1	4.1
Alcohol Induced	338	9.0	9.4	10.3	6.9	-

1. The Maricopa County, Arizona, United States and HP 2010 Goal rates for female breast cancer are calculated as a rate per 100,000 women. The rates for prostate cancer are calculated as rates per 100,000 men.
2. Unintentional injuries listed in this table include 1,770 deaths from unintentional injuries, but do not include the 35 deaths from complications of medical or surgical care. The figure in this table is comparable to the HP 2010 goal. See Technical Notes for details.
3. When compared directly to the Healthy People 2010 Goals, Maricopa County data for HIV/AIDS and drug induced deaths are inflated by approximately 15-20% because a different method of classifying deaths was used to determine the Healthy People Goals.
4. Figures for female breast cancer and prostate cancer are final 2004 U.S. data. All other figures are preliminary 2005 U.S. data.

III. Maricopa County 2006 Communicable Disease Statistics

Maricopa County 2006 Communicable Disease Statistics

Table 3.01a Number of Cases of Selected Reportable Diseases by Race/Ethnicity

Disease	Race/Ethnicity							Total	
	White	Hisp.	Black	Amer Ind. Non-Hisp.	Amer Ind. Hisp.	Asian	Unk.		
Vaccine Preventable	<i>H. influenzae</i>	20	11	2	3	0	0	18	54
	Measles	0	0	0	0	0	0	0	0
	Mumps	1	1	0	0	0	0	1	3
	Pertussis	12	4	0	3	0	0	2	21
Central Nervous System	Enceph Viral Other	11	2	0	0	0	0	2	15
	Meningitis Viral/Aseptic	379	169	24	6	0	8	38	624
	Meningococcal Meningitis	2	2	1	0	0	0	1	6
Enterics	Amebiasis	3	2	0	0	0	0	5	10
	Botulism	3	0	1	0	0	0	0	4
	Campylobacteriosis	138	114	4	22	1	4	149	432
	Cholera	0	0	0	0	0	0	0	0
	Cryptosporidiosis	13	4	1	0	0	0	1	19
	<i>E. Coli</i> O157.H7	25	9	1	1	0	1	5	42
	Giardiasis	33	11	3	1	0	1	17	66
	Listeriosis	7	0	0	0	0	0	0	7
	Salmonella Paratyphi	2	2	0	0	0	0	2	6
	Salmonellosis	176	97	12	22	0	2	123	432
	Shigellosis	62	210	17	9	4	0	79	381
Typhoid	0	1	3	0	0	3	0	7	
Mycosis	Coccidioidomycosis	899	203	119	39	0	38	2,911	4,209
Zoonoses/ Vectorborne	Brucellosis	1	1	0	0	0	0	1	3
	Dengue	5	0	1	0	0	1	1	8
	Hantavirus Pulm. Syn.	1	1	1	0	0	0	0	3
	Lyme Disease	2	0	0	0	0	0	4	6
	Malaria	4	1	9	0	0	1	3	18
	West Nile Virus	63	5	2	0	0	0	5	75
Hepatitides	Hepatitis A	44	30	0	0	0	2	15	91
	Hepatitis B ¹ (Acute)	33	6	0	2	0	8	216	265
	Hepatitis C	909	277	115	73	1	7	203	1,585
	Hepatitis D	0	0	0	0	0	0	0	0
Other	Legionellosis	20	2	1	0	0	0	2	25
	MRSA	89	16	12	11	1	3	865	997
	Strep Group A	93	27	5	6	0	3	82	216
	Strep Group B	13	13	0	0	0	0	13	39
	Strep Pneumo Invasive	228	85	33	21	1	6	195	569
	Toxic Shock Syndrome	0	0	0	0	0	0	0	0
	Vibrio spp.	6	4	0	0	0	0	0	10
	VRE	824	127	47	42	0	10	755	1,805
	Yersiniosis	6	0	1	0	0	0	4	11
	Hansen's Disease	0	1	0	0	0	0	1	2
Tuberculosis		33	96	19	1	0	22	0	171
Sexually Transmitted Disease	Genital Herpes ²	530	271	81	38	-	5	288	1,213
	Gonorrhea ²	1,219	987	803	159	-	15	817	4,000
	Syphilis – Primary and Secondary ²	75	58	24	5	-	1	0	163
	Syphilis – All Others ²	175	268	59	34	-	6	0	542
	Chlamydia ²	3,672	4,724	1,242	641	-	123	4,194	14,596
	HIV	193	108	68	9	2	5	4	389
AIDS	163	114	45	5	0	2	3	332	
All Others		19	10	3	1	0	0	7	40
Total		10,176	8,068	2,759	1,153	10	271	10,820	33,257

¹

Figures for Hepatitis B (Acute) include confirmed and probable cases.

²

Data collection methods for race/ethnicity data for genital herpes, gonorrhea, syphilis, and chlamydia do not allow the data to utilize an 'American Indian, Hispanic' category.

Maricopa County 2006 Communicable Disease Statistics

Table 3.01b Case Rates per 100,000 Residents for Selected Reportable Diseases by Race/Ethnicity

Disease	Race/Ethnicity							Total	
	White	Hisp.	Black	Amer Ind. Non-Hisp.	Amer Ind. Hisp.	Asian	Unk.		
Vaccine Preventable	<i>H. influenzae</i>	0.9	1.0	1.3	5.2	0	0	-	1.4
	Measles	0	0	0	0	0	0	-	0
	Mumps	0.0	0.1	0	0	0	0	-	0.1
	Pertussis	0.5	0.4	0	5.2	0	0	-	0.6
Central Nervous System	Enceph Viral Other	0.5	0.2	0	0	0	0	-	0.4
	Meningitis Viral/Aseptic	16.7	15.2	16.2	10.4	0.0	7.4	-	16.6
	Meningococcal Meningitis	0.1	0.2	0.7	0	0	0	-	0.2
Enterics	Amebiasis	0.1	0.2	0	0	0	0	-	0.3
	Botulism	0.1	0	0.7	0	0	0	-	0.1
	Campylobacteriosis	6.1	10.3	2.7	38.2	5.4	3.7	-	11.5
	Cholera	0	0	0	0	0	0	-	0
	Cryptosporidiosis	0.6	0.4	0.7	0	0	0	-	0.5
	<i>E. Coli</i> O157.H7	1.1	0.8	0.7	1.7	0	0.9	-	1.1
	Giardiasis	1.5	1.0	2.0	1.7	0	0.9	-	1.8
	Listeriosis	0.3	0	0	0	0	0	-	0.2
	Salmonella Paratyphi	0.1	0.2	0	0	0	0	-	0.2
	Salmonellosis	7.7	8.7	8.1	38.2	0	1.8	-	11.5
	Shigellosis	2.7	18.9	11.4	15.6	21.5	0	-	10.1
	Typhoid	0.0	0.1	2.0	0.0	0	2.8	-	0.2
Mycosis	Coccidioidomycosis	39.5	18.3	80.1	67.8	0	35.1	-	111.7
Zoonoses/ Vectorborne	Brucellosis	0.0	0.1	0	0	0	0	-	0.1
	Dengue	0.2	0	0.7	0	0	0.9	-	0.2
	Hantavirus Pulm. Syn.	0.0	0.1	0.7	0.0	0	0.0	-	0.1
	Lyme Disease	0.1	0.0	0.0	0.0	0	0.0	-	0.2
	Malaria	0.2	0.1	6.1	0.0	0	0.9	-	0.5
	West Nile Virus	2.8	0.5	1.3	0.0	0	0.0	-	2.0
Hepatitides	Hepatitis A	1.9	2.7	0.0	0.0	0	1.8	-	2.4
	Hepatitis B (Acute)	0.1	0.0	0.0	1.7	0	1.8	-	7.0
	Hepatitis C	40.0	24.9	77.4	126.9	5.4	6.5	-	42.1
	Hepatitis D	0	0	0	0	0	0	-	0
Other	Legionellosis	0.9	0.2	0.7	0	0	0	-	0.7
	MRSA	3.9	1.4	8.1	19.1	5.4	2.8	-	26.5
	Strep Group A	4.1	2.4	3.4	10.4	0	2.8	-	5.7
	Strep Group B ¹	0.5	0.4	0	0	0	0	-	0.6
	Strep Pneumo Invasive	10.0	7.7	22.2	36.5	5.4	5.5	-	15.1
	Toxic Shock Syndrome	0	0	0	0	0	0	-	0
	Vibrio spp.	0.3	0.4	0	0	0	0	-	0.3
	VRE	36.2	11.4	31.6	73.0	0.0	9.2	-	47.9
	Yersiniosis	0.3	0	0.7	0	0	0	-	0.3
	Hansen's Disease	0	0.1	0	0	0	0	-	0.1
Tuberculosis		1.5	8.6	12.8	1.7	0	20.3	-	4.5
Sexually Transmitted Disease	Genital Herpes ²	23.3	24.4	54.5	66.0	-	4.6	-	32.2
	Gonorrhea ²	53.6	88.8	540.6	276.4	-	13.9	-	106.2
	Syphilis – Primary and Secondary ²	3.3	5.2	16.2	8.7	-	0.9	-	4.3
	Syphilis – All Others ²	7.7	24.1	39.7	59.1	-	5.5	-	14.4
	Chlamydia ²	161.4	425.2	836.1	1,114.1	-	113.7	-	387.4
	HIV	8.5	9.7	45.8	15.6	10.8	4.6	-	10.3
AIDS	7.2	10.3	30.3	8.7	0	1.8	-	8.8	
All Others		0.8	0.9	2.0	1.7	0	0	-	1.1
Total		447.3	726.2	1,857.3	2,004.0	53.8	250.6	-	882.6

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births by race of the mother.

² Data collection methods for race/ethnicity data for genital herpes, gonorrhea, syphilis, and chlamydia do not allow the data to utilize an 'American Indian, Hispanic' category.

Maricopa County 2006 Communicable Disease Statistics

Table 3.02a Number of Cases of Selected Reportable Diseases by Age Group

Disease		Age Group													Total
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	11	6	4	0	1	2	0	2	6	6	12	4	0	54
	Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mumps	0	0	0	0	0	1	0	0	1	1	0	0	0	3
	Pertussis	7	2	2	3	2	0	2	0	2	1	0	0	0	21
Central Nervous System	Enceph Viral Other	0	1	1	0	0	0	2	1	0	4	5	1	0	15
	Meningitis Viral/Aseptic	128	17	23	20	38	67	101	80	61	34	46	7	2	624
	Meningococcal Meningitis	0	2	0	0	1	1	0	1	0	0	1	0	0	6
Enterics	Amebiasis	0	2	1	2	0	0	0	2	2	1	0	0	0	10
	Botulism	4	0	0	0	0	0	0	0	0	0	0	0	0	4
	Campylobacteriosis	27	64	26	21	25	29	48	52	36	53	44	2	5	432
	Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cryptosporidiosis	0	1	1	1	1	0	3	4	3	0	5	0	0	19
	<i>E. Coli</i> O157.H7	0	11	10	3	2	4	2	2	0	4	4	0	0	42
	Giardiasis	1	17	3	3	2	1	10	7	7	3	11	0	1	66
	Listeriosis	0	0	0	0	0	0	0	0	0	1	3	3	0	7
	Salmonella Paratyphi	0	4	0	0	0	0	0	1	1	0	0	0	0	6
	Salmonellosis	50	66	45	26	17	37	39	37	39	30	36	3	7	432
	Shigellosis	6	139	83	25	16	16	22	27	22	6	13	1	5	381
Typhoid	0	2	2	0	0	1	1	1	0	0	0	0	0	7	
Mycosis	Coccidioidomycosis	10	19	37	85	138	160	485	700	650	721	1,059	125	20	4,209
Zoonoses/ Vectorborne	Brucellosis	0	0	0	0	0	0	0	2	0	1	0	0	0	3
	Dengue	0	0	0	0	0	0	3	0	2	0	3	0	0	8
	Hantavirus Pulm. Syn.	0	0	0	0	0	1	0	1	0	1	0	0	0	3
	Lyme Disease	0	0	1	0	0	1	0	0	1	3	0	0	0	6
	Malaria	0	0	0	0	2	1	3	1	6	4	1	0	0	18
	West Nile Virus	0	0	0	0	2	2	6	4	24	12	25	0	0	75
	Hepatitides	Hepatitis A	1	0	6	8	8	10	16	15	11	12	2	2	0
Hepatitis B ¹ (Acute)	0	1	0	1	2	16	43	71	74	39	13	1	4	265	
Hepatitis C	2	0	0	0	12	30	164	321	610	293	130	14	9	1,585	
Hepatitis D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	Legionellosis	0	0	1	0	1	0	1	5	2	3	11	1	0	25
	MRSA	10	6	4	3	7	22	52	98	163	183	353	82	14	997
	Strep Group A	11	6	3	5	2	5	18	27	39	37	55	7	1	216
	Strep Group B ²	39	-	-	-	-	-	-	-	-	-	-	-	-	39
	Strep Pneumo Invasive	28	57	9	8	13	14	27	65	83	88	141	31	5	569
	Toxic Shock Syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vibrio spp.	0	0	0	1	1	0	3	2	2	1	0	0	0	10
	VRE	11	8	3	7	17	23	67	117	212	307	794	220	19	1,805
	Yersiniosis	0	0	1	0	0	0	1	1	2	0	4	2	0	11
	Hansen's Disease	0	0	0	0	0	1	1	0	0	0	0	0	0	2
	Tuberculosis		0	13	2	7	4	14	37	25	18	22	27	2	0
Sexually Transmitted Diseases	Genital Herpes	7	5	1	4	121	270	401	217	127	41	19	0	0	1,213
	Gonorrhea	1	0	4	31	837	1,167	1,243	491	181	40	5	0	0	4,000
	Syphilis – Primary and Secondary	0	0	0	0	2	16	54	53	35	1	2	0	0	163
	Syphilis – All Others	10	0	0	0	10	79	177	157	71	28	10	0	0	542
	Chlamydia	12	3	7	143	4,431	5,312	3,761	739	146	38	4	0	0	14,596
	HIV	0	0	0	0	15	48	122	143	53	6	2	0	0	389
	AIDS	0	0	0	0	2	8	81	135	70	34	2	0	0	332
All Others		7	13	7	1	1	0	1	1	1	1	7	0	0	40
Total		383	464	287	407	5,731	7,343	6,957	3,540	2,692	2,022	2,836	507	88	33,257

¹

Figures for Hepatitis B (Acute) include confirmed and probable cases.

²

Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

Maricopa County 2006 Communicable Disease Statistics

Table 3.02b Case Rates per 100,000 Residents for Selected Reportable Diseases by Age Group

Disease		Age Group											Total	
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+		Unk.
Vaccine Preventable	<i>H. influenzae</i>	5.5	1.4	0	0.4	0.8	0	0.4	1.3	1.7	3.3	6.9	-	1.4
	Measles	0	0	0	0	0	0	0	0	0	0	0	-	0
	Mumps	0	0	0	0	0.4	0	0	0.2	0.3	0	0	-	0.1
	Pertussis	2.9	0.7	1.1	0.8	0	0.3	0	0.4	0.3	0	0	-	0.6
Central Nervous System	Enceph Viral Other	0.3	0.4	0	0	0	0.3	0.2	0	1.1	1.4	1.7	-	0.4
	Meningitis Viral/Aseptic	46.5	8.1	7.3	15.0	26.7	17.2	14.4	12.8	9.5	12.8	12.0	-	16.6
	Meningococcal Meningitis	0.6	0	0	0.4	0.4	0	0.2	0	0	0.3	0	-	0.2
Enterics	Amebiasis	0.6	0.4	0.7	0	0	0	0.4	0.4	0.3	0	0	-	0.3
	Botulism	1.3	0	0	0	0	0	0	0	0	0	0	-	0.1
	Campylobacteriosis	29.2	9.2	7.7	9.9	11.6	8.2	9.4	7.6	14.8	12.2	3.4	-	11.5
	Cholera	0	0	0	0	0	0	0	0	0	0	0	-	0
	Cryptosporidiosis	0.3	0.4	0.4	0.4	0.0	0.5	0.7	0.6	0	1.4	0	-	0.5
	<i>E. Coli</i> O157.H7	3.5	3.5	1.1	0.8	1.6	0.3	0.4	0	1.1	1.1	0	-	1.1
	Giardiasis	5.8	1.1	1.1	0.8	0.4	1.7	1.3	1.5	0.8	3.1	0	-	1.8
	Listeriosis	0	0	0	0	0	0	0	0	0.3	0.8	5.1	-	0.2
	Salmonella Paratyphi	1.3	0	0	0	0	0	0.2	0.2	0	0	0	-	0.2
	Salmonellosis	37.2	15.9	9.5	6.7	14.8	6.6	6.7	8.2	8.4	10.0	5.1	-	11.5
	Shigellosis	46.5	29.3	9.1	6.3	6.4	3.7	4.9	4.6	1.7	3.6	1.7	-	10.1
Typhoid	0.6	0.7	0	0	0.4	0.2	0.2	0	0	0	0	-	0.2	
Mycosis	Coccidioidomycosis	9.3	13.1	31.1	54.5	63.8	82.4	126.0	136.5	201.8	294.7	214.3	-	111.7
Zoonoses/ Vectorborne	Brucellosis	0	0	0	0	0	0	0.4	0	0.3	0	0	-	0.1
	Dengue	0	0	0	0	0	0.5	0	0.4	0	0.8	0	-	0.2
	Hantavirus Pulm. Syn.	0	0	0	0	0.4	0	0.2	0	0.3	0	0	-	0.1
	Lyme Disease	0	0.4	0	0	0.4	0	0	0.2	0.8	0	0	-	0.2
	Malaria	0	0	0	0.8	0.4	0.5	0.2	1.3	1.1	0.3	0	-	0.5
	West Nile Virus	0	0	0	0.8	0.8	1.0	0.7	5.0	3.4	7.0	0	-	2.0
Hepatitides	Hepatitis A	0.3	2.1	2.9	3.2	4.0	2.7	2.7	2.3	3.4	0.6	3.4	-	2.4
	Hepatitis B (Acute)	0.3	0	0.4	0.8	6.4	7.3	12.8	15.5	10.9	3.6	1.7	-	7.0
	Hepatitis C	0.6	0	0	4.7	12.0	27.9	57.8	128.1	82.0	36.2	24.0	-	42.1
	Hepatitis D	0	0	0	0	0	0	0	0	0	0	0	-	0
Other	Legionellosis	0	0.4	0	0.4	0	0.2	0.9	0.4	0.8	3.1	1.7	-	0.7
	MRSA	5.1	1.4	1.1	2.8	8.8	8.8	17.6	34.2	51.2	98.2	140.6	-	26.5
	Strep Group A	5.5	1.1	1.8	0.8	2.0	3.1	4.9	8.2	10.4	15.3	12.0	-	5.7
	Strep Group B ¹	0.6	-	-	-	-	-	-	-	-	-	-	-	0.6
	Strep Pneumo Invasive	27.3	3.2	2.9	5.1	5.6	4.6	11.7	17.4	24.6	39.2	53.2	-	15.1
	Toxic Shock Syndrome	0	0	0	0	0	0	0	0	0	0	0	-	0
	Vibrio spp.	0	0	0.4	0.4	0	0.5	0.4	0.4	0.3	0	0	-	0.3
	VRE	6.1	1.1	2.6	6.7	9.2	11.4	21.1	44.5	85.9	220.9	377.2	-	47.9
	Yersiniosis	0	0.4	0	0	0	0.2	0.2	0.4	0	1.1	3.4	-	0.3
	Hansen's Disease	0	0	0	0	0.4	0.2	0	0	0	0	0	-	0.1
Tuberculosis		4.2	0.7	2.6	1.6	5.6	6.3	4.5	3.8	6.2	7.5	3.4	-	4.5
Sexually Transmitted Diseases	Genital Herpes	3.9	0.4	1.5	47.8	107.7	68.1	39.0	26.7	11.5	5.3	0	-	32.2
	Gonorrhea	0.3	1.4	11.3	330.8	465.3	211.1	88.3	38.0	11.2	1.4	0	-	106.2
	Syphilis – Primary and Secondary	0	0	0	0.8	6.4	9.2	9.5	7.3	0.3	0.6	0	-	4.3
	Syphilis – All Others	3.2	0	0	4.0	31.5	30.1	28.2	14.9	7.8	2.8	0	-	14.4
	Chlamydia	4.8	2.5	52.3	1,751.1	2,117.9	638.8	133.0	30.7	10.6	1.1	0	-	387.4
	HIV	0	0	0	5.9	19.1	20.7	25.7	11.1	1.7	0.6	0	-	10.3
	AIDS	0	0	0	0.8	3.2	13.8	24.3	14.7	9.5	0.6	0	-	8.8
All Others		6.4	2.5	0.4	0.4	0	0.2	0.2	0.2	0.3	1.9	0	-	1.1
Total		271.8	101.2	148.9	2,264.9	2,927.7	1,181.7	637.0	565.2	565.8	789.2	869.3	-	882.6

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births.

Maricopa County 2006 Communicable Disease Statistics

Table 3.03a Number of Cases of Selected Reportable Diseases by Sex

Disease	Sex			Total	
	Male	Female	Unk.		
Vaccine Preventable	<i>H. influenzae</i>	25	28	1	54
	Measles	0	0	0	0
	Mumps	2	1	0	3
	Pertussis	7	14	0	21
Central Nervous System	Enceph Viral Other	9	6	0	15
	Meningitis Viral/Aseptic	301	322	1	624
	Meningococcal	2	4	0	6
Enterics	Amebiasis	5	5	0	10
	Botulism	1	3	0	4
	Campylobacteriosis	232	198	2	432
	Cholera	0	0	0	0
	Cryptosporidiosis	12	7	0	19
	<i>E. Coli</i> O157.H7	25	17	0	42
	Giardiasis	42	24	0	66
	Listeriosis	1	6	0	7
	Salmonella Paratyphi	4	2	0	6
	Salmonellosis	204	225	3	432
	Shigellosis	176	204	1	381
	Typhoid	2	5	0	7
	Mycosis	Coccidioidomycosis	2,361	1,815	33
Zoonoses/ Vectorborne	Brucellosis	1	2	0	3
	Dengue	2	5	1	8
	Hantavirus Pulm. Syn.	3	0	0	3
	Lyme Disease	5	1	0	6
	Malaria	13	5	0	18
	West Nile Virus	48	27	0	75
Hepatitides	Hepatitis A	37	54	0	91
	Hepatitis B ¹ (Acute)	139	125	1	265
	Hepatitis C	1,102	470	13	1,585
	Hepatitis D	0	0	0	0
Other	Legionellosis	13	12	0	25
	MRSA	569	410	18	997
	Strep Group A	117	95	4	216
	Strep Group B	17	22	0	39
	Strep Pneumo Invasive	317	248	4	569
	Toxic Shock Syndrome	0	0	0	0
	Vibrio spp.	5	5	0	10
	VRE	770	1,018	17	1,805
	Yersiniosis	7	4	0	11
	Hansen's Disease	2	0	0	2
	Tuberculosis		111	60	0
Sexually Transmitted Diseases	Genital Herpes	401	812	0	1,213
	Gonorrhea	2,140	1,860	0	4,000
	Syphilis – Primary and Secondary	142	21	0	163
	Syphilis – All Others	372	170	0	542
	Chlamydia	3,261	11,335	0	14,596
	HIV	329	60	0	389
	AIDS	300	32	0	332
All Others		25	15	0	40
Total		13,524	19,635	98	33,257

1

Figures for Hepatitis B (Acute) include confirmed and probable cases.

Maricopa County 2006 Communicable Disease Statistics

Table 3.03b Case Rates per 100,000 Residents for Selected Reportable Diseases by Sex

Disease		Sex			Total
		Male	Female	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	1.3	1.5	-	1.4
	Measles	0	0	-	0
	Mumps	0.1	0.1	-	0.1
	Pertussis	0.4	0.7	-	0.6
Central Nervous System	Enceph Viral Other	0.5	0.3	-	0.4
	Meningitis Viral/Aseptic	15.9	17.2	-	16.6
	Meningococcal Meningitis	0.1	0.2	-	0.2
Enterics	Amebiasis	0.3	0.3	-	0.3
	Botulism	0.1	0.2	-	0.1
	Campylobacteriosis	12.2	10.6	-	11.5
	Cholera	0	0	-	0
	Cryptosporidiosis	0.6	0.4	-	0.5
	<i>E. Coli</i> O157.H7	1.3	0.9	-	1.1
	Giardiasis	2.2	1.3	-	1.8
	Listeriosis	0.1	0.3	-	0.2
	Salmonella Paratyphi	0.2	0.1	-	0.2
	Salmonellosis	10.8	12.0	-	11.5
	Shigellosis	9.3	10.9	-	10.1
	Typhoid	0.1	0.3	-	0.2
	Mycosis	Coccidioidomycosis	124.5	97.0	-
Zoonoses/ Vectorborne	Brucellosis	0.1	0.1	-	0.1
	Dengue	0.1	0.3	-	0.2
	Hantavirus Pulm. Syn.	0.2	0	-	0.1
	Lyme Disease	0.3	0.1	-	0.2
	Malaria	0.7	0.3	-	0.5
	West Nile Virus	2.5	1.4	-	2.0
Hepatitides	Hepatitis A	2.0	2.9	-	2.4
	Hepatitis B (Acute)	7.3	6.7	-	7.0
	Hepatitis C	58.1	25.1	-	42.1
	Hepatitis D	0	0	-	0
Other	Legionellosis	0.7	0.6	-	0.7
	MRSA	30.0	21.9	-	26.5
	Strep Group A	6.2	5.1	-	5.7
	Strep Group B ¹	0.5	0.7	-	0.6
	Strep Pneumo Invasive	16.7	13.3	-	15.1
	Toxic Shock Syndrome	0	0	-	0
	Vibrio spp.	0.3	0.3	-	0.3
	VRE	40.6	54.4	-	47.9
	Yersiniosis	0.4	0.2	-	0.3
	Hansen's Disease	0.1	0	-	0.1
Tuberculosis		5.9	3.2	-	4.5
Sexually Transmitted Diseases	Genital Herpes	21.1	43.4	-	32.2
	Gonorrhea	112.8	99.4	-	106.2
	Syphilis – Primary and Secondary	7.5	1.1	-	4.3
	Syphilis – All Others	19.6	9.1	-	14.4
	Chlamydia	172.0	605.6	-	387.4
	HIV	17.3	3.2	-	10.3
	AIDS	15.8	1.7	-	8.8
All Others		1.3	0.8	-	1.1
Total		713.1	1,049.1	-	882.6

¹ Rates for Streptococcal Group B Invasive in infants <90 days are per 1,000 live births.

Maricopa County 2006 Communicable Disease Statistics

Table 3.04 Case Rate Comparisons to Arizona, U.S. and Healthy People 2010 Goals for Selected Diseases

Disease	2006 Maricopa County		Crude Case Rate (Cases per 100,000 Residents)		
	Number of cases	Crude Case Rate (Cases per 100,000 Residents)	Arizona 2006	U.S. 2005	Healthy People 2010 Goal
Hepatitis C	1,585	42.1	-	-	1.0
Salmonellosis	432	11.5	15.2	15.43	6.8
AIDS	332	8.8	-	14.00	1.0
HIV	389	10.3	9.1	-	-
Tuberculosis	171	4.5	5.0	4.80	1.0
Hepatitis B (Acute Cases Only)	265	7.0	6.0	1.78	-
Hepatitis A	91	2.4	2.9	1.53	4.5
Syphilis (Primary and Secondary)	163	4.3	3.3	2.97	0.2 ¹
Pertussis	21	0.6	0.6	8.72	0.7
Rubella	0	0	0	0	0
Mumps	3	0.1	0.6	0.11	0
Measles	0	0	0	0.02	0

¹ The Healthy People 2010 goal for primary and secondary syphilis includes only transmission of syphilis that occurred in the United States. It is likely that Maricopa County includes some cases acquired outside of the country.

IV. Maricopa County 2006 Natality (Birth) Statistics

Maricopa County 2006 Natality (Birth) Statistics

Table 4.01 Number and Percent of Births by Age and Race/Ethnicity of Mother

Age Group of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<15	11	0.0	89	0.3	5	0.2	6	0.3	0	0	1	0.0	0	0	112	0.2
15-19	1,811	6.4	5,132	16.9	421	14.8	325	16.8	31	29.2	61	2.6	11	5.6	7,792	11.8
20-24	6,123	21.6	9,337	30.7	902	31.8	629	32.5	30	28.3	269	11.7	24	12.1	17,314	26.2
25-29	8,733	30.8	8,000	26.3	732	25.8	553	28.6	19	17.9	689	29.9	50	25.3	18,776	28.4
30-34	7,035	24.8	5,251	17.3	498	17.5	281	14.5	16	15.1	824	35.8	44	22.2	13,949	21.1
35-39	3,863	13.6	2,165	7.1	232	8.2	110	5.7	9	8.5	390	16.9	34	17.2	6,803	10.3
40-44	740	2.6	420	1.4	47	1.7	28	1.4	1	0.9	65	2.8	24	12.1	1,325	2.0
45+	47	0.2	23	0.1	3	0.1	1	0.1	0	0	5	0.2	11	5.6	90	0.1
Unk.	1	0.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Total	28,364		30,417		2,840		1,933		106		2,304		198		66,162	

Table 4.02 Number and Percent of Births by Marital Status and Race/Ethnicity of Mother

Marital Status of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	20,763	73.2	12,872	42.3	1,009	35.5	534	27.6	33	31.1	1,949	84.6	158	79.8	37,318	56.4
Single	7,379	26.0	17,225	56.6	1,800	63.4	1,372	71.0	72	67.9	342	14.8	34	17.2	28,224	42.7
Refused	153	0.5	264	0.9	24	0.8	20	1.0	0	0	11	0.5	1	0.5	473	0.7
Divorced	13	0.0	5	0.0	0	0	0	0	0	0	0	0	1	0.5	19	0.0
Unknown	56	0.2	51	0.2	7	0.2	7	0.4	1	0.9	2	0.1	4	2.0	128	0.2
Total	28,364		30,417		2,840		1,933		106		2,304		198		66,162	

Table 4.03 Number and Percent of Births by Educational Level and Race/Ethnicity of Mother

Education Level of Mother	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<6 th Grade	54	0.2	1,092	3.6	51	1.8	4	0.2	0	0	19	0.8	72	36.4	1,292	2.0
6 th - 11 th Grade	2,402	8.5	14,785	48.6	540	19.0	550	28.5	47	44.3	129	5.6	20	10.1	18,473	27.9
HS Diploma	7,329	25.8	8,680	28.5	1,005	35.4	641	33.2	24	22.6	509	22.1	28	14.1	18,216	27.5
College+	18,412	64.9	5,554	18.3	1,187	41.8	703	36.4	33	31.1	1,635	71.0	54	27.3	27,578	41.7
Unknown	167	0.6	306	1.0	57	2.0	35	1.8	2	1.9	12	0.5	24	12.1	603	0.9
Total	28,364		30,417		2,840		1,933		106		2,304		198		66,162	

Maricopa County 2006 Natality (Birth) Statistics

Table 4.04 Trimester of First Prenatal Care by Race/Ethnicity of Mother

Trimester of First Prenatal Care	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	25,453	89.7	21,832	71.8	2,243	79.0	1,380	71.4	79	74.5	2,046	88.8	127	64.1	53,160	80.3
Second	2,240	7.9	6,296	20.7	475	16.7	369	19.1	20	18.9	188	8.2	40	20.2	9,628	14.6
Third	422	1.5	1,305	4.3	60	2.1	110	5.7	3	2.8	39	1.7	10	5.1	1,949	2.9
None	234	0.8	969	3.2	61	2.1	72	3.7	4	3.8	25	1.1	17	8.6	1,382	2.1
Unknown	15	0.1	15	0.0	1	0.0	2	0.1	0	0	6	0.3	4	2.0	43	0.1
Total	28,364		30,417		2,840		1,933		106		2,304		198		66,162	

Table 4.05 Number and Percent of Prenatal Care Visits by Race/Ethnicity of Mother

Number of Prenatal Care Visits	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	234	0.8	969	3.2	61	2.1	72	3.7	4	3.8	25	1.1	17	8.6	1,382	2.1
1 to 4	494	1.7	1,462	4.8	121	4.3	153	7.9	7	6.6	35	1.5	15	7.6	2,287	3.5
5 to 8	3,093	10.9	6,062	19.9	510	18.0	437	22.6	21	19.8	295	12.8	37	18.7	10,455	15.8
9 to 12	15,270	53.8	14,393	47.3	1,407	49.5	918	47.5	53	50.0	1,216	52.8	71	35.9	33,328	50.4
13 to 16	7,695	27.1	6,774	22.3	589	20.7	285	14.7	18	17.0	627	27.2	45	22.7	16,033	24.2
17 or More	1,544	5.4	684	2.2	144	5.1	62	3.2	3	2.8	99	4.3	8	4.0	2,544	3.8
Unknown	34	0.1	73	0.2	8	0.3	6	0.3	0	0	7	0.3	5	2.5	133	0.2
Total	28,364		30,417		2,840		1,933		106		2,304		198		66,162	

**Table 4.06 Adequacy of Prenatal Care by Race/Ethnicity of Mother
Singleton Births Only**

Adequacy of Prenatal Care	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	1,882	6.9	5,920	19.9	412	15.0	412	21.7	17	16.3	165	7.3	59	32.1	8,867	13.8
Intermediate	3,592	13.1	5,028	16.9	407	14.9	341	18.0	20	19.2	283	12.6	23	12.5	9,694	15.1
Adequate	14,236	52.0	11,830	39.8	1,161	42.4	784	41.4	42	40.4	1,141	50.8	63	34.2	29,257	45.5
Adequate Plus	7,611	27.8	6,881	23.1	749	27.4	349	18.4	25	24.0	648	28.9	34	18.5	16,297	25.4
Information Missing	41	0.1	86	0.3	9	0.3	10	0.5	0	0	9	0.4	5	2.7	160	0.2
Total	27,362		29,745		2,738		1,896		104		2,246		184		64,275	

Maricopa County 2006 Natality (Birth) Statistics

Table 4.07 Birthweight of Infant by Race/Ethnicity of Mother

Birthweight of Infant	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	317	1.1	365	1.2	61	2.1	21	1.1	4	3.8	19	0.8	3	1.5	790	1.2
1500-2499 Grams	1,597	5.6	1,645	5.4	286	10.1	127	6.6	7	6.6	167	7.2	19	9.6	3,848	5.8
2500-4249 Grams	25,467	89.8	27,496	90.4	2,444	86.1	1,671	86.4	91	85.8	2,073	90.0	171	86.4	59,413	89.8
>4249 Grams	980	3.5	910	3.0	49	1.7	114	5.9	4	3.8	44	1.9	3	1.5	2,104	3.2
Unknown	3	0.0	1	0.0	0	0	0	0	0	0	1	0.0	2	1.0	7	0.0
Total	28,364		30,417		2,840		1,933		106		2,304		198		66,162	

Table 4.08 Preterm Births (Less than 37 Weeks Gestation) by Race/Ethnicity of Mother

Gestational Estimate	Race/Ethnicity														Total	
	White		Hispanic		African American		Amer. Ind., Non-Hisp.		Amer. Ind., Hisp.		Asian		Other			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<37 Weeks Gestation	3,148	11.1	3,163	10.4	411	14.5	244	12.6	13	12.3	231	10.0	40	20.2	7,250	11.0
≥37 Weeks Gestation	25,214	88.9	27,250	89.6	2,429	85.5	1,689	87.4	93	87.7	2,073	90.0	155	78.3	58,903	89.0
Unknown	2	0.0	4	0.0	0	0	0	0	0	0	0	0	3	1.5	9	0.0
Total	28,364		30,417		2,840		1,933		106		2,304		198		66,162	

Maricopa County 2006 Natality (Birth) Statistics

Table 4.09 Number and Percent of Births by Marital Status and Age Group of Mother

Marital Status of Mother	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	2	1.8	1,082	13.9	6,942	40.1	12,183	64.9	10,634	76.2	5,426	79.8	979	73.9	70	77.8	0	0	37,318	56.4
Single	110	98.2	6,694	85.9	10,238	59.1	6,365	33.9	3,182	22.8	1,300	19.1	315	23.8	19	21.1	1	100.0	28,224	42.7
Refused	0	0	13	0.2	104	0.6	172	0.9	103	0.7	61	0.9	19	1.4	1	1.1	0	0	473	0.7
Divorced	0	0	0	0	5	0.0	9	0.0	3	0.0	2	0.0	0	0	0	0	0	0	19	0.0
Unknown	0	0	3	0.0	25	0.1	47	0.3	27	0.2	14	0.2	12	0.9	0	0	0	0	128	0.2
Total	112		7,792		17,314		18,776		13,949		6,803		1,325		90		1		66,162	

Table 4.10 Number and Percent of Births by Educational Level and Age Group of Mother

Educational Level of Mother	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<6 th Grade	3	2.7	112	1.4	291	1.7	344	1.8	288	2.1	183	2.7	61	4.6	10	11.1	0	0	1,292	2.0
6 th -11 th Grade	108	96.4	4,682	60.1	5,522	31.9	4,319	23.0	2,598	18.6	1,037	15.2	195	14.7	12	13.3	0	0	18,473	27.9
HS Diploma	0	0	2,460	31.6	6,552	37.8	4,931	26.3	2,744	19.7	1,247	18.3	266	20.1	16	17.8	0	0	18,216	27.5
College+	0	0	447	5.7	4,785	27.6	9,029	48.1	8,199	58.8	4,285	63.0	786	59.3	47	52.2	0	0	27,578	41.7
Unknown	1	0.9	91	1.2	164	0.9	153	0.8	120	0.9	51	0.7	17	1.3	5	5.6	1	100.0	603	0.9
Total	112		7,792		17,314		18,776		13,949		6,803		1,325		90		1		66,162	

Table 4.11 Trimester of First Prenatal Care by Age Group of Mother

Trimester of First Prenatal Care	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	51	45.5	5,126	65.8	13,162	76.0	15,627	83.2	12,033	86.3	5,963	87.7	1,124	84.8	74	82.2	0	0	53,160	80.3
Second	41	36.6	2,031	26.1	3,062	17.7	2,313	12.3	1,432	10.3	601	8.8	138	10.4	10	11.1	0	0	9,628	14.6
Third	12	10.7	370	4.7	625	3.6	480	2.6	297	2.1	130	1.9	34	2.6	1	1.1	0	0	1,949	2.9
None	8	7.1	260	3.3	449	2.6	347	1.8	179	1.3	107	1.6	28	2.1	3	3.3	1	100.0	1,382	2.1
Unknown	0	0	5	0.1	16	0.1	9	0.0	8	0.1	2	0.0	1	0.1	2	2.2	0	0	43	0.1
Total	112		7,792		17,314		18,776		13,949		6,803		1,325		90		1		66,162	

Maricopa County 2006 Natality (Birth) Statistics

Table 4.12 Number and Percent of Prenatal Care Visits by Age Group of Mother

Number of Prenatal Care Visits	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	8	7.1	260	3.3	449	2.6	347	1.8	179	1.3	107	1.6	28	2.1	3	3.3	1	100.0	1,382	2.1
1 to 4	12	10.7	452	5.8	732	4.2	556	3.0	332	2.4	158	2.3	41	3.1	4	4.4	0	0	2,287	3.5
5 to 8	31	27.7	1,830	23.5	3,139	18.1	2,641	14.1	1,786	12.8	817	12.0	198	14.9	13	14.4	0	0	10,455	15.8
9 to 12	38	33.9	3,612	46.4	8,618	49.8	9,546	50.8	7,293	52.3	3,533	51.9	650	49.1	38	42.2	0	0	33,328	50.4
13 to 16	22	19.6	1,441	18.5	3,811	22.0	4,954	26.4	3,696	26.5	1,763	25.9	330	24.9	16	17.8	0	0	16,033	24.2
17 or More	1	0.9	174	2.2	511	3.0	707	3.8	644	4.6	417	6.1	77	5.8	13	14.4	0	0	2,544	3.8
Unknown	0	0	23	0.3	54	0.3	25	0.1	19	0.1	8	0.1	1	0.1	3	3.3	0	0	133	0.2
Total	112		7,792		17,314		18,776		13,949		6,803		1,325		90		1		66,162	

**Table 4.13 Adequacy of Prenatal Care by Age Group of Mother
Singleton Births Only**

Adequacy of Prenatal Care	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	52	46.4	1,826	23.8	2,887	17.0	2,139	11.7	1,236	9.2	562	8.7	153	12.2	11	15.1	1	100.0	8,867	13.8
Intermediate	12	10.7	1,303	17.0	2,661	15.6	2,652	14.5	1,945	14.5	939	14.5	178	14.2	4	5.5	0	0	9,694	15.1
Adequate	24	21.4	2,922	38.1	7,428	43.7	8,619	47.3	6,569	48.8	3,080	47.6	578	46.0	37	50.7	0	0	29,257	45.5
Adequate Plus	23	20.5	1,579	20.6	3,972	23.4	4,794	26.3	3,685	27.4	1,881	29.1	345	27.4	18	24.7	0	0	16,297	25.4
Information Missing	1	0.9	31	0.4	57	0.3	34	0.2	18	0.1	13	0.2	3	0.2	3	4.1	0	0	160	0.2
Total	112		7,661		17,005		18,238		13,453		6,475		1,257		73		1		64,275	

Maricopa County 2006 Natality (Birth) Statistics

Table 4.14 Birthweight of Infant by Age Group of Mother

Birthweight of Infant	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	5	4.5	117	1.5	190	1.1	186	1.0	170	1.2	101	1.5	16	1.2	5	5.6	0	0	790	1.2
1500-2499 Grams	8	7.1	518	6.6	948	5.5	1,006	5.4	799	5.7	443	6.5	107	8.1	19	21.1	0	0	3,848	5.8
2500-4249 Grams	99	88.4	7,036	90.3	15,743	90.9	16,920	90.1	12,443	89.2	5,956	87.5	1,152	86.9	63	70.0	1	100.0	59,413	89.8
>4249 Grams	0	0	119	1.5	433	2.5	663	3.5	537	3.8	300	4.4	50	3.8	2	2.2	0	0	2,104	3.2
Unknown	0	0	2	0.0	0	0	1	0.0	0	0	3	0.0	0	0	1	1.1	0	0	7	0.0
Total	112		7,792		17,314		18,776		13,949		6,803		1,325		90		1		66,162	

Table 4.15 Preterm Births (Less than 37 Weeks Gestation) by Age Group of Mother

Gestational Estimate	Age Group of Mother																		Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+		Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<37 Weeks Gestation	14	12.5	903	11.6	1,776	10.3	1,860	9.9	1,554	11.1	918	13.5	202	15.2	23	25.6	0	0	7,250	11.0
≥37 Weeks Gestation	98	87.5	6,886	88.4	15,537	89.7	16,915	90.1	12,392	88.8	5,885	86.5	1,123	84.8	66	73.3	1	100.0	58,903	89.0
Unknown	0	0	3	0.0	1	0.0	1	0.0	3	0.0	0	0	0	0	1	1.1	0	0	9	0.0
Total	112		7,792		17,314		18,776		13,949		6,803		1,325		90		1		66,162	

Maricopa County 2006 Natality (Birth) Statistics

Table 4.16 Comparisons to Arizona, U.S. and Health People 2010 Goals for Selected Natality Measures

		Maricopa County 2006		Arizona 2006	U.S. 2005	Healthy People 2010 Goal
		Number of Individuals	Rate or Percent			
Unlinked Infant Mortality – Rate per 1,000 live births	Neo-natal	278	4.2	4.3	4.6	2.9
	Post-natal	128	1.9	2.0	2.3	1.2
	Total	406	6.1	6.3	6.9	4.5
Low birthweight births (< 2500g) – Percent of live births		4,638	7.01%	7.12%	8.2%	5.0%
Births to teen mothers – Percent of live births	10-14 Years Old	112	0.17%	0.17%	0.16%	-
	15-17 Years Old	2,774	4.19%	4.36%	3.22%	-
	15-19 Years Old	7,792	11.78%	12.49%	10.01%	-
	<u>Total</u> 10-19 Years Old	7,904	11.95%	12.66%	10.17%	-

V. Technical Notes

Population Statistics

Population statistics are shown in Tables **1.01** and **1.02**. This report used the most recent U.S. Census data and estimates for population figures at the time of analysis.

- The Maricopa County population is from the U.S. Census Bureau, County Population Estimates by Age, Sex, Race and Hispanic Origin for July 1, 2006, released August 9, 2007. This is at <http://www.census.gov/popest/counties/files/CO-EST2006-ALLDATA.csv>

The population figures in this report may differ from figures in previous Maricopa County Department of Public Health (MCDPH) and other reports in two ways. First, some reports use Arizona Department of Economic Security (ADES) or MCDPH estimates for population data. Second, some reports may use the first published estimates by the 2000 U.S. Census. This report uses the most recent U.S. Census population figures and estimates for 2006. For a complete explanation on how the most recent U.S. Census data differ from the first published U.S. Census data, see the following: “2000 Census of Population and Housing, Notes and Errata” at www.census.gov/prod/cen2000/notes/errata.pdf.

This report defines “Hispanic” as: all respondents listing Hispanic, either alone or in combination with any race that do not identify themselves as American Indian or Alaska Native. This report separates the American Indian population by ethnicity (Hispanic, Non-Hispanic). The table below shows how the U.S. Census variables of “origin” and “race” are used for categorization in this report.

Table 5.1 Race/Ethnicity Categories Used in This Report		
Category Used in This Report	U.S. Census Code “Race”	U.S. Census Code “Origin”
White	Race=1 (White Alone)	Origin=1 (Non-Hispanic)
African American	Race=2 (Black Alone)	Origin=1 (Non-Hispanic)
American Indian, Non-Hispanic	Race=3 (American Indian or Alaska Native Alone)	Origin=1 (Non-Hispanic)
American Indian, Hispanic	Race=3 (American Indian or Alaska Native Alone)	Origin=2 (Hispanic)
Asian	Race=4 (Asian Alone) or 5 (Native Hawaiian or Other Pacific Islander Alone)	Origin=1 (Non-Hispanic)
Other	Race=6 (Two or More Races)	Origin=1 (Non-Hispanic)
Hispanic	Race=1,2,4,5,6	Origin=2 (Hispanic)

Mortality (Death) Statistics

Mortality (death) statistics are shown in Tables **2.01a** through **2.14**. Any crude death rate can be calculated by taking the number of deaths from any mortality table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** and **1.02**. In tables where rates are shown, "0" means there were no cases/deaths in that category. However, when the number "0.0" is shown, it means that there were fewer than .05 deaths per 100,000 residents. By definition, SIDS deaths only occur in infants; as a result, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

All data on mortality statistics are from the Arizona Department of Health Services (ADHS) final annual files. The Maricopa County mortality data are from death certificates for Maricopa County residents only. This includes Maricopa County residents who died in Maricopa County and residents who died elsewhere. Non-Maricopa County residents who died in Maricopa County are not included.

In the course of routine data cleaning, miscoded causes of death were identified. Two erroneous records have been altered in 2006. As a result of these changes, the numbers presented in this report may not match those presented by ADHS for Maricopa County.

For both mortality and morbidity (communicable disease), rates for some racial/ethnic populations such as American Indians, Asians, and African Americans are high compared to other groups. Because these groups have relatively small populations in Maricopa County (under 150,000 residents as shown in Tables **1.01** and **1.02**), these high rates may represent very few deaths/cases. Among small populations, rates are less stable so one case or death can cause a big increase or decrease in the rates. Therefore, it is advisable to examine the raw number of cases or deaths, in addition to the rates.

In Tables **2.03a** through **2.05b**, unintentional injury deaths can be found by adding two categories – "motor vehicle collisions" and "all other accidents and adverse effects." The total for unintentional injuries in this report is higher than the figure reported by ADHS because deaths from "complications of medical and surgical care" are included in this report. This convention follows the national model for classifying unintentional injuries. "Complications of medical and surgical care" include deaths from medical devices, adverse effects related to correct doses of therapeutic medications, and misadventures to patients during surgical or medical care (ICD-10 Y40-Y84, Y88). The only exceptions to this method are in Tables **2.13** and **2.14**, where unintentional injury deaths do not include complications of medical/surgical care. This change makes the numbers comparable to Healthy People 2010 goals.

Tables **2.01b**, **2.02b**, **2.03b**, **2.04b**, **2.06b**, and **2.07b** do not provide a rate for the categories labeled "Unknown Age" or "Unknown Race/Ethnicity." This is because there is no denominator to use for calculating the rate as the U.S. Census does not report any data on "unknown age" or "unknown race/ethnicity."

Unless otherwise noted, all deaths are attributed to one underlying condition, based on death certificate information, using the rules of the International Classification of Diseases, 10th Revision (ICD-10). Causes of death are classified by ICD-10 codes. The codes used for each category are listed in Table **5.2** below.

Firearm, drug, and alcohol induced deaths are also included in a number of other categories, such as suicide, homicide, unintentional injury, etc. For example, a firearm induced death may also be classified as a suicide, homicide, or "other accident or adverse effect." An alcohol induced death may be attributed to a long or short term effect of alcohol, such as acute alcohol intoxication or alcoholic cardiomyopathy.

Tables **2.06a** through **2.08b** show deaths resulting directly (induced) and indirectly (related) from firearms, drugs, and alcohol. Drugs include prescription medications and illegal substances,

regardless of whether use was recreational or medicinal. Tobacco is considered a drug by the National Center for Health Statistics (NCHS). Since tobacco is not often considered to be a drug in the colloquial sense, drug-related deaths are listed both with and without tobacco-related deaths.

Induced deaths refer to cases in which the use of a firearm, drug, or alcohol contributed directly to the cause of death, i.e., death due to an overdose of drugs, or a fatal gunshot injury. Related deaths refer to cases in which the use of a drug or alcohol was listed on the death certificate, but the substance was not necessarily involved in the final cause of death, i.e., death due to dehydration resulting from environmental exposure, with chronic drug use noted elsewhere on the certificate.

Related causes of deaths are counted using multiple cause of death (MCD) data supplied by ADHS with the final annual mortality files.

Table 5.2 ICD-10 Codes Used for This Report

Cause	ICD-10 Codes Used (2006)
Tuberculosis	A16-A19
Syphilis	A50-A53
HIV Disease	B20-B24
Malignant Neoplasms (Cancer)	C00-C97
Malignant Neoplasm of the Stomach	C16
Malignant Neoplasm of the Colon	C18-C21
Malignant Neoplasm of the Pancreas	C25
Malignant Neoplasm of Bronchus, Lung, or Trachea	C33-C34
Malignant Neoplasm of the Breast	C50
Malignant Neoplasm of the Uterus, Cervix, Ovary	C53-C56
Malignant Neoplasm of the Prostate	C61
Malignant Neoplasm of Urinary Organs	C64-C68
Non-Hodgkins Lymphoma	C82-C85
Leukemia	C91-C95
Other Malignant Neoplasms	C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-97
Diabetes	E10-E14
Alzheimer's	G30
Major Cardiovascular Disease	I00-I78
Disease of Heart	I00-I09, I11, I13, I20-I51
Hypertensive Heart Disease	I11, I13
Ischemic Heart Disease	I20-I25
Other Heart Disease	I00-I09, I26-I51
Coronary Heart Disease	I11, I20-I25
Primary Hypertension	I10, I12
Cerebrovascular Diseases	I60-I69
Atherosclerosis	I70
Other Circulatory	I71-I78
Influenza & Pneumonia	J10-J18

(Table Continues)

(Table 5.2, Continued)

Cause	ICD-10 Codes Used (2006)
Chronic Lower Respiratory	J40-J47
Asthma	J45-J46
Peptic Ulcer	K25-K28
Liver Disease, including chronic liver disease, cirrhosis, alcoholic liver disease, and other chronic liver disease	K70, K73-K74
Nephritis, nephritic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Pregnancy, childbirth, and the puerperium	O00-O99
Perinatal Conditions	P00-P96
Congenital Malformations	Q00-Q99
SIDS (Sudden Infant Death Syndrome)	R95
Ill Defined Disease Conditions (Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, excluding SIDS)	R00-R94, R96-R99
All Other Diseases	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98
Motor Vehicle Collisions	V02-V04, V09.0, V09.2, V12-V14, V19.0 - V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0 V89.2
All Other Accidents & Adverse Effects	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9 V90-X29, X31-X59, Y40-Y86, Y88
Falls	W00-W19
Excessive Exposure to Natural Heat	X30
Accidental Poisoning	X40-X49
Accidental Drowning (Excludes drowning involving water transportation)	W65-W74
Suicide	U03, X60-X84, Y87.0
Homicide	U01-U02, X85-Y09, Y87.1
All Other External Causes	Y10-Y36, Y87.2, Y89
Unknown Causes	No ICD code listed
Firearm Related	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Drug Induced or Related	F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.8, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14
Alcohol Induced or Related	F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15

Tables **2.13** and **2.14** show age-adjusted rates for Maricopa County. Age-adjusting removes the effect of a disproportionately large young or old population on crude death rates by computing an overall death rate based on a population with a standard age distribution. Maricopa County rates are age-adjusted to the 2000 standard population using the direct method described in *Health, United States, 2002* published by the National Center for Health Statistics at www.cdc.gov/nchs/data/hus/hus02.pdf, p.414. Arizona, Healthy People goals, and U.S. rates included in this report are published as age-adjusted to the 2000 standard population by the agencies generating the rates.

Comparison death rates for Arizona, shown in Table **2.14**, can be found in *Arizona Health Status and Vital Statistics 2006*, published by the ADHS at <http://www.azdhs.gov/plan/report/ahs/ahs2006/toc06.htm>. Figures for the U.S. are preliminary 2005 data for the following categories: heart disease, cancers, cerebrovascular disease, unintentional injuries, pneumonia and influenza, diabetes, suicide, and all causes combined. These data can be found at: cdc.gov/nchs/data/hestat/preliminarydeaths05_tables.pdf#2. All other U.S. mortality data are final 2004 data from National Vital Statistics Reports, Vol 55, no. 19, August 21, 2007. These data are at www.cdc.gov/nchs/data/nvsr/nvsr55/nvsr55_19.pdf.

Healthy People 2010 Goals are set by the Department of Health and Human Services and may be found at www.healthypeople.gov/Document/tableofcontents.htm. For Table **2.14**, the mortality rate for breast cancer is calculated among women only (using only female residents in the denominator). For Tables **2.03b**, **2.04b**, **2.05b**, and **2.14**, prostate cancer rates are calculated among men only (using only male residents in the denominator), and uterine & ovarian cancer rates are calculated among women only. In all other tables, and for all other diseases, the total population is used for the denominator for both conditions.

Communicable Disease (Morbidity) Statistics

Communicable disease statistics are shown in Tables **3.01a** through **3.04**. Any morbidity rate except for Streptococcal Group B Invasive disease can be calculated by taking the number of cases from any communicable disease table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** and **1.02**. Because Streptococcal Group B Invasive disease is only reportable in infants under 90 days, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

The Maricopa County morbidity data are for Maricopa County residents only. This includes Maricopa County residents who acquired a disease in Maricopa County and residents who acquired a disease elsewhere. Non-Maricopa County residents are not included, even if they acquired a disease in Maricopa County. Other reports may show different morbidity rates because they include non-residents who acquired disease in Maricopa County or they exclude residents who were exposed outside of the county. For example, MCDPH Health Status Reports show six residents with West Nile virus (WNV) in 2003. Two of these cases acquired WNV outside of Maricopa County, the other four cases were acquired locally. Other reports and press releases may focus on only the locally acquired WNV cases, regardless of the residency status of the cases. For Hansen's disease only, tables include residents from various counties in Arizona, regardless of where the disease was acquired.

Communicable disease data are from the ADHS final annual files with several exceptions: data on West Nile virus, hepatitis C, genital herpes, gonorrhea, chlamydia, syphilis, and Hansen's disease are from MCDPH. Because the MCDPH communicable disease database is continuously updated, the data for hepatitis C and West Nile virus can change somewhat over time. Hepatitis C data for 2006 used in this report were generated on May 29, 2007 for confirmed, acute and chronic, physician-reported cases among Maricopa County residents. West Nile virus data for 2006 used in this report were generated on May 30, 2007 for all confirmed cases among Maricopa County residents.

In previous Health Status Reports, hepatitis B data were also obtained from the MCDPH. However, there have been a number of issues contributing to unreliable Hepatitis B data. Therefore, this report uses hepatitis B data for confirmed and probable acute cases from ADHS.

Data on tuberculosis, STDs, HIV, and AIDS may differ from other reports published by MCDPH and ADHS. Data on these diseases are in databases that may have been updated during the time between reports. HIV/AIDS data for Maricopa County are from May 9, 2007 and were provided to MCDPH for this report. Primary and secondary syphilis is shown as "Syphilis-Prim. and Sec". The "Syphilis - All others" category includes latent and congenital syphilis. These two categories can be added to determine the total number of syphilis cases. Syphilis data were generated on June 1, 2007.

Morbidity data include only confirmed cases, with the exception of Hansen's disease. Data for Hansen's disease includes all confirmed, suspect, and probable cases diagnosed in Maricopa County, including diagnoses to non-county residents. All communicable disease statistics in this report are new cases for each specified year (incidence). The only exception is Hansen's disease for which the prevalence (all existing cases from all years) is shown. The figures presented for Hansen's disease differ from previous years due to the addition of several cases diagnosed in previous years but only recently available.

Morbidity data for hepatitis C and West Nile Virus are classified by the earliest date in the record. The earliest date may be date of onset, date of diagnosis, or date of report. HIV, AIDS, and Hansen's disease data are classified by date of diagnosis. All other data are classified by date of report.

The category "Encephalitis Viral" includes St. Louis encephalitis and all other types of viral encephalitis except for West Nile virus. This may differ somewhat from other reports that include only certain types of encephalitides.

In Tables **3.01a** through **3.03b**, the category labeled "All Others" includes all reportable diseases in the ADHS communicable disease database that are not listed previously on the table.

In Table **3.04**, comparison morbidity rates for Arizona can be found in *Arizona Health Status and Vital Statistics 2006*, www.azdhs.gov/plan/report/ahs/ahs2006/toc06.htm. The rates for HIV and AIDS for Arizona were provided directly from ADHS on November 22, 2006. All U.S. rates are for 2005 and may be found at www.cdc.gov/mmwr/preview/mmwrhtml/mm5453a1.htm. Healthy People 2010 Goals are set by the Department of Health and Human Services and may be found at www.healthypeople.gov/Document/tableofcontents.htm.

Natality (Birth) Statistics

Natality (birth) statistics are shown in Tables **4.01** through **4.16**.

In the course of routine data cleaning, natality records inappropriately assigned to a residential county were identified. Two such records have been altered in 2006. As a result of these changes, the numbers presented in this report may not match those presented by ADHS for Maricopa County.

Infant mortality statistics shown in Table **4.16** are from unlinked data as indicated, and the table shows comparisons to Arizona and the U.S. U.S. data are preliminary for 2005, from the National Center for Health Statistics. Infant mortality data for the U.S. can be found in *Deaths: Final Data for 2004*, National Vital Statistics Reports at <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/finaldeaths04/finaldeaths04.htm>. U.S. Data for low birthweight births and births to teen mothers can be found in *Births: Preliminary Data for 2005*, National Vital Statistics Reports, http://www.cdc.gov/nchs/data/hestat/prelimbirths05_tables.pdf#2. Arizona figures for 2006 can be

found in *Arizona Health Status and Vital Statistics 2006*, published by the ADHS at www.azdhs.gov/plan/report/ahs/ahs2006/toc06.htm. An explanation of unlinked infant mortality data is presented below.

The natality percentages for older and younger maternal age groups (under 15 and over 45) may be high compared to other groups. These groups have relatively small populations in Maricopa County. Although percentages may be high, they may represent only one or two cases in a given category. Therefore, it is advisable to check the raw numbers.

Adequate prenatal care is based on the Adequacy of Prenatal Care Utilization Index (APCUI)¹. This index considers both the timing of prenatal care initiation and the number of visits after care was initiated, comparing the number of actual visits to the number of visits recommended by the American College of Obstetricians and Gynecologists. This index does not describe the quality of the care or adjust for maternal risk factors. Only singleton births are shown in these tables because twins and higher order births are typically higher risk pregnancies, and the index is not appropriate for summarizing their prenatal care usage.

- a) Inadequate: Prenatal care began after the fourth month of pregnancy or less than 50% of the expected prenatal care visits were attended
- b) Intermediate: Prenatal care began before the fourth month and 50 to 70% of the expected visits were attended
- c) Adequate: Prenatal care began prior to the fourth month and 80-109% of expected visits were attended
- d) Adequate plus: Prenatal care began prior to the fourth month of pregnancy and 110% or more of the expected visits were attended

The following definitions related to reproductive health have been established by NCHS²:

- Birth or Live Birth³ – The complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy or birthweight which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.
- Fertility Rate – Number of live births during a calendar year per 1,000 women age 15 to 44.
- Births to Teenage Mothers – Live births occurring to females under age twenty.
- Birth Weight – The weight of a neonate determined immediately after delivery or as soon thereafter as possible.
- Low Birthweight – Any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).
- Very Low Birthweight – Any neonate weighing less than 1,500 grams at births (less than 3 pounds, 4 ounces).
- Preterm – Any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period.
- Infant Death – Any death at any time from birth up to, but not including, the first year of age (<365 days).

¹ Kotelchuck, M. An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index, *American Journal of Public Health*, 1994; 84(9):1414-1420.

² NCHS guidelines were adopted from those established by the World Health Organization (WHO).

³ The Arizona statute defining a live birth follows this definition.

- Infant Mortality Rate – Number of infant deaths per 1,000 live births.
- Neonatal Mortality Rate – Number of deaths to infants at or under 28 days of age, per 1,000 live births.
- Postnatal (Postneonatal) Mortality Rate – Number of deaths to infants between 29 days and 365 days after birth, per 1,000 live births.
- Unlinked Infant Mortality – The number of infant deaths in a given calendar year, as determined from mortality records.

Healthy People 2010 Goals

The Centers for Disease Control and Prevention provide national health goals for the year 2010 – Healthy People (HP) 2010 goals. Some of these goals are shown in Tables **2.14**, **3.04**, and **4.16**. A hyphen indicates that no goal has been set for that indicator or the goal is not comparable to Maricopa County data. “0” indicates that the goal is zero.

This report provides HP 2010 Goals only when the goals are comparable to Maricopa County data. A goal is considered comparable in this report if two conditions exist:

- First, the HP Goal must include the same conditions as are included in the Maricopa County data. For example, if the Maricopa County figure for heart disease includes all heart disease but the HP 2010 goal includes only coronary heart disease, the goal is not listed as a comparison to the heart disease rate.
- Second, the nationally tested “conversion ratio” between ICD-9 and ICD-10 codes for any given condition must fall between certain boundaries. The conversion ratio measures how closely the two classifications resemble each other. A conversion ratio of “1” means that the ICD-9 codes are equivalent to the ICD-10 codes for that category. Because the HP 2010 goals use ICD-9 codes and the Maricopa County 2006 data use ICD-10 codes, they may or may not be comparable. Therefore, if the conversion ratio is between 0.95 and 1.05, a direct comparison is made with no mention of any differences. If the ratio does not meet this requirement, but is between 0.80 and 1.20, the potential bias is mentioned in the report, along with specifying the direction of the bias. A ratio that exceeds the .80 to 1.20 range is not used for comparisons. The conversion ratios are from *Deaths: Final Data for 1999*, National Vital Statistics Reports, Volume 49:8, National Center for Health Statistics.

More information on the technical aspects of HP 2010 can be found at www.healthypeople.gov/document/tableofcontents.htm#tracking.

More Information

For more information on population and health statistics, please visit the following websites:

- Maricopa County Department of Public Health: http://www.maricopa.gov/Public_Health/
- Arizona Department of Health Services: www.hs.state.az.us
- Centers for Disease Control and Prevention, National Center for Health Statistics: www.cdc.gov/nchs
- Department of Economic Security: www.de.state.az.us