

# Maricopa County Health Status Report 2007



Prepared by the Maricopa County Department of Public Health  
Office of Epidemiology  
June 2009

Maricopa County

## Acknowledgements

This report was prepared by the Maricopa County Department of Public Health, Office of Epidemiology.

Amy Prestanski, Epidemiologist  
Liva Nohre, Sr. Epidemiologist  
Mare Schumacher, Interim Director

The authors wish to thank the following individuals and organizations for contributing numeric data, consultation, and other information used in this report. Their assistance is much appreciated.

Sarah Santana, Tammy Sylvester, Vjollca Berisha, Alana Shacter– Office of Epidemiology and Data Services  
Tom Mickey, Deborah Ramon – Maricopa County Department of Public Health, Division of Clinical Services  
Kristina Schaller – Arizona Department of Health Services  
S. Robert Bailey – Arizona Department of Health Services  
Christopher Mrela – Arizona Department of Health Services

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/](http://www.maricopa.gov/public_health/epi/) under “Health Statistics and Reports.”

Permission to quote or reproduce materials from this report is granted when due acknowledgement is made.

Suggested citation: Maricopa County Department of Public Health, Office of Epidemiology. *Maricopa County Health Status Report 2007, Reference Tables*. Phoenix (AZ): 2009.

# Maricopa County Health Status Report 2007

## Reference Tables

### Table of Contents

	<b>Introduction</b>	<b>i</b>
<b>I.</b>	<b>Maricopa County 2007 Population Statistics</b>	<b>1</b>
Table 1.01	Population Estimates for Age by Sex, Race/Ethnicity by Sex, and Age by Race/Ethnicity, 2007	2
Table 1.02	Population Estimates by Race/Ethnicity, Age, and Sex, 2007	3
Figures	Population Pyramids by Race/Ethnicity, 2007	4
<b>II.</b>	<b>Maricopa County 2007 Mortality (Death) Statistics</b>	<b>6</b>
Table 2.01a	Number of Deaths by Age Group and Race/Ethnicity	7
Table 2.01b	Death Rates by Age group and Race/Ethnicity, Crude Death Rate per 100,000 Residents	7
Table 2.02a	Number of Deaths by Age Group and Sex	8
Table 2.02b	Death Rates by Age Group and Sex, Crude Death Rate per 100,000 Residents	8
Table 2.03a	Selected Underlying Causes of Death by Race/Ethnicity, Number of Cases	9
Table 2.03b	Selected Underlying Causes of Death by Race/Ethnicity, Crude Death Rate per 100,000 Residents	10
Table 2.04a	Selected Underlying Causes of Death by Age Group, Number of Cases	11
Table 2.04b	Selected Underlying Causes of Death by Age Group, Crude Death Rate per 100,000 Residents	13
Table 2.05a	Selected Underlying Causes of Death by Sex, Number of Cases	15
Table 2.05b	Selected Underlying Causes of Death by Sex, Crude Death Rate per 100,000 Residents	16
Table 2.06a	Firearm Related and Drug and Alcohol Induced and Related Deaths by Age Group, Number of Cases	17
Table 2.06b	Firearm Related and Drug and Alcohol Induced and Related Deaths by Age Group, Crude Death Rate per 100,000 Residents	17
Table 2.07a	Firearm Related and Drug and Alcohol Induced and Related Deaths by Race/Ethnicity, Number of Cases	18
Table 2.07b	Firearm Related and Drug and Alcohol Induced and Related Deaths by Race/Ethnicity, Crude Death Rate per 100,000 Residents	18
Table 2.08a	Firearm Related and Drug and Alcohol Induced and Related Deaths by Sex, Number of Cases	18
Table 2.08b	Firearm Related and Drug and Alcohol Induced and Related Deaths by Sex, Crude Death Rate per 100,000 Residents	18
Table 2.09	Heat Induced Deaths by Age, Race/Ethnicity, and Sex	19
Table 2.10	Number of Deaths by Race/Ethnicity and Marital Status	20
Table 2.11	Number of Deaths by Race/Ethnicity and Education Level	20
Table 2.12	Number of Deaths by Race/Ethnicity and Sex	20
Table 2.13	Crude and Age-Adjusted Rates for Selected Underlying Causes of Death by Race/Ethnicity	21
Table 2.14	Death Rate Comparisons to Arizona, U.S., and Healthy People 2010 Goals for Selected Underlying Causes of Death	22

# Maricopa County Health Status Report 2007

## Reference Tables

### Table of Contents

<b>III.</b>	<b>Maricopa County 2007 Communicable Disease Statistics</b>	<b>23</b>
Table 3.01a	Number of Cases of Selected Reportable Disease by Race/Ethnicity	24
Table 3.01b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Race/Ethnicity	25
Table 3.02a	Number of Cases of Selected Reportable Diseases by Age Group	26
Table 3.02b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Age Group	27
Table 3.03a	Number of Cases of Selected Reportable Diseases by Sex	28
Table 3.03b	Case Rates per 100,000 Residents for Selected Reportable Diseases by Sex	29
Table 3.04	Case Rate Comparisons to Arizona, U.S., and Healthy People 2010 Goals for Selected Diseases	30
<b>IV.</b>	<b>Maricopa County 2007 Natality (Birth) Statistics</b>	<b>31</b>
Table 4.01	Number and Percent of Births by Age and Race/Ethnicity of Mother	32
Table 4.02	Number and Percent of Births by Marital Status and Race/Ethnicity of Mother	32
Table 4.03	Number and Percent of Births by Educational Level and Race/Ethnicity of Mother	32
Table 4.04	Trimester of First Prenatal Care by Race Ethnicity of Mother	33
Table 4.05	Number and Percent of Prenatal Care Visits by Race/Ethnicity of Mother	33
Table 4.06	Adequacy of Prenatal Care by Race/Ethnicity of Mother, Singleton Births Only	33
Table 4.07	Birthweight of Infant by Race/Ethnicity of Mother	34
Table 4.08	Preterm (Less than 37 Weeks Gestation) by Race/Ethnicity of Mother	34
Table 4.09	Number and Percent of Births by Marital Status and Age Group of Mother	35
Table 4.10	Number and Percent of Births by Educational Level and Age Group of Mother	35
Table 4.11	Trimester of First Prenatal Care by Age Group of Mother	35
Table 4.12	Number and Percent of Prenatal Care Visits by Age Group of Mother	36
Table 4.13	Adequacy of Prenatal Care by Age Group of Mother, Singleton Births Only	36
Table 4.14	Birthweight of Infant by Age Group of Mother	37
Table 4.15	Preterm Births (Less Than 37 Weeks Gestation) by Age Group of Mother	37
Table 4.16	Comparisons to Arizona, U.S., and Healthy People 2010 Goals for Selected Natality Measures	38
<b>V.</b>	<b>Technical Notes</b>	<b>39</b>

## Introduction

This report provides health status information for the year 2007 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: 52 residents of Maricopa County were diagnosed with a confirmed case of West Nile Virus in 2007.
  - Natality (Birth) Example: There were 818 infants born with a very low birthweight (less than 1500 grams) in 2007.
- Rate or percentage of cases in the county
  - Communicable Disease Example: For every 100,000 residents of Maricopa County, 1.3 were diagnosed with West Nile Virus in 2007.
  - Natality (Birth) Example: Among all live births in 2007, 1.2% were born with a very low birthweight.

All data in this report are for calendar year 2007.

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

## ***I. Maricopa County 2007 Population Statistics***

**Maricopa County 2007 Population Statistics**

**Table 1.01 Population Estimates for Age by Sex, Race/Ethnicity by Sex, and Age by Race/Ethnicity, 2007**

**Age by Sex**

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	165,376	8.5%	158,485	8.2%	323,861	8.3%
5-9	150,503	7.7%	143,906	7.5%	294,409	7.6%
10-14	143,036	7.3%	136,610	7.1%	279,646	7.2%
15-19	134,994	6.9%	125,473	6.5%	260,467	6.7%
20-24	132,485	6.8%	115,933	6.0%	248,418	6.4%
25-34	314,442	16.1%	281,137	14.6%	595,579	15.3%
35-44	291,635	14.9%	273,123	14.2%	564,758	14.6%
45-54	248,959	12.7%	252,271	13.1%	501,230	12.9%
55-64	181,781	9.3%	197,657	10.3%	379,438	9.8%
65-74	104,257	5.3%	118,221	6.1%	222,478	5.7%
75-84	64,011	3.3%	84,186	4.4%	148,197	3.8%
85+	22,597	1.2%	39,103	2.0%	61,700	1.6%
<b>Total</b>	<b>1,954,076</b>		<b>1,926,105</b>		<b>3,880,181</b>	

**Race/Ethnicity by Sex**

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,137,951	58.2%	1,171,596	60.8%
Hispanic	614,601	31.5%	549,405	28.5%
African American	80,825	4.1%	77,863	4.0%
Amer. Ind., Non-Hisp.	29,413	1.5%	32,192	1.7%
Amer. Ind., Hisp.	9,587	0.5%	9,063	0.5%
Asian	54,766	2.8%	59,480	3.1%
Other/2+ Races	26,933	1.4%	26,506	1.4%
<b>Total</b>	<b>1,954,076</b>		<b>1,926,105</b>	

**Age by Race/Ethnicity**

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total		
	No.	%	No.	%	No.	%	Non-Hispanic		Hispanic		No.	%			
							No.	%	No.	%	No.	%			
0-4	133,134	5.8%	150,154	12.9%	14,712	9.3%	6,310	10.2%	1,260	6.8%	9,352	8.2%	8,939	16.7%	323,861
5-9	129,505	5.6%	127,434	10.9%	14,216	9.0%	5,352	8.7%	1,853	9.9%	8,100	7.1%	7,949	14.9%	294,409
10-14	131,286	5.7%	112,876	9.7%	13,762	8.7%	5,225	8.5%	2,214	11.9%	7,304	6.4%	6,979	13.1%	279,646
15-19	134,089	5.8%	93,954	8.1%	13,338	8.4%	5,684	9.2%	2,037	10.9%	6,044	5.3%	5,321	10.0%	260,467
20-24	131,584	5.7%	87,769	7.5%	11,954	7.5%	5,329	8.7%	1,596	8.6%	6,021	5.3%	4,165	7.8%	248,418
25-34	291,961	12.6%	234,609	20.2%	24,279	15.3%	11,987	19.5%	3,405	18.3%	22,441	19.6%	6,897	12.9%	595,579
35-44	333,690	14.4%	168,353	14.5%	24,158	15.2%	9,158	14.9%	2,840	15.2%	21,588	18.9%	4,971	9.3%	564,758
45-54	353,908	15.3%	99,773	8.6%	20,219	12.7%	6,372	10.3%	1,957	10.5%	15,182	13.3%	3,819	7.1%	501,230
55-64	299,429	13.0%	51,586	4.4%	11,885	7.5%	3,604	5.9%	879	4.7%	9,697	8.5%	2,358	4.4%	379,438
65-74	184,554	8.0%	23,196	2.0%	6,178	3.9%	1,580	2.6%	424	2.3%	5,283	4.6%	1,263	2.4%	222,478
75-84	130,592	5.7%	10,717	0.9%	2,952	1.9%	724	1.2%	154	0.8%	2,470	2.2%	588	1.1%	148,197
85+	55,815	2.4%	3,585	0.3%	1,035	0.7%	280	0.5%	31	0.2%	764	0.7%	190	0.4%	61,700
<b>Total</b>	<b>2,309,547</b>		<b>1,164,006</b>		<b>158,688</b>		<b>61,605</b>		<b>18,650</b>		<b>114,246</b>		<b>53,439</b>		<b>3,880,181</b>

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2007.

**Maricopa County 2007 Population Statistics**

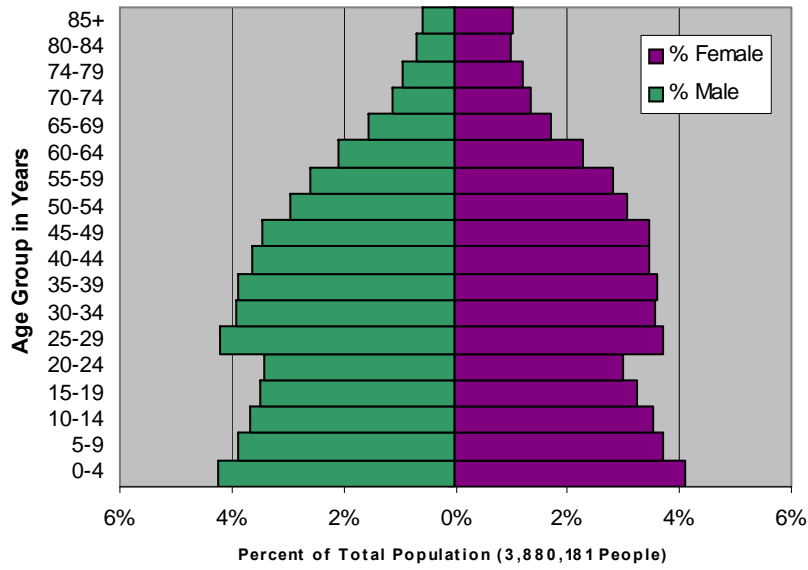
**Table 1.02 Population by Race/Ethnicity, Age, and Sex, 2007**

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	65,049	5.6%	73,448	13.4%	7,361	9.5%	3,214	10.0%	643	7.1%	4,554	7.7%	4,216	15.9%	158,485
5-9	63,279	5.4%	62,195	11.3%	7,036	9.0%	2,660	8.3%	942	10.4%	4,098	6.9%	3,696	13.9%	143,906
10-14	63,938	5.5%	55,150	10.0%	6,807	8.7%	2,543	7.9%	1,069	11.8%	3,675	6.2%	3,428	12.9%	136,610
15-19	65,109	5.6%	44,768	8.1%	6,254	8.0%	2,881	8.9%	1,048	11.6%	2,856	4.8%	2,557	9.6%	125,473
20-24	62,691	5.4%	39,453	7.2%	5,488	7.0%	2,743	8.5%	810	8.9%	2,798	4.7%	1,950	7.4%	115,933
25-29	73,851	6.3%	52,447	9.5%	5,925	7.6%	3,420	10.6%	832	9.2%	4,970	8.4%	2,090	7.9%	143,535
30-34	69,580	5.9%	50,752	9.2%	5,590	7.2%	2,953	9.2%	727	8.0%	6,439	10.8%	1,561	5.9%	137,602
35-39	80,048	6.8%	42,684	7.8%	6,025	7.7%	2,415	7.5%	693	7.6%	6,183	10.4%	1,365	5.1%	139,413
40-44	84,943	7.3%	33,863	6.2%	5,737	7.4%	2,271	7.1%	609	6.7%	5,090	8.6%	1,197	4.5%	133,710
45-49	92,941	7.9%	27,506	5.0%	5,422	7.0%	1,989	6.2%	547	6.0%	4,417	7.4%	1,056	4.0%	133,878
50-54	86,826	7.4%	20,415	3.7%	4,378	5.6%	1,552	4.8%	372	4.1%	3,902	6.6%	948	3.6%	118,393
55-59	84,710	7.2%	15,140	2.8%	3,573	4.6%	1,213	3.8%	235	2.6%	3,268	5.5%	697	2.6%	108,836
60-64	71,726	6.1%	10,647	1.9%	2,516	3.2%	785	2.4%	193	2.1%	2,369	4.0%	585	2.2%	88,821
65-69	54,512	4.7%	7,163	1.3%	1,895	2.4%	558	1.7%	140	1.5%	1,674	2.8%	436	1.6%	66,378
70-74	43,199	3.7%	5,225	1.0%	1,435	1.8%	384	1.2%	93	1.0%	1,243	2.1%	264	1.0%	51,843
75+	109,194	9.3%	8,549	1.6%	2,421	3.1%	611	1.9%	110	1.2%	1,944	3.3%	460	1.7%	123,289
<b>Total</b>	<b>1,155,038</b>		<b>523,919</b>		<b>73,063</b>		<b>30,099</b>		<b>9,047</b>		<b>55,932</b>		<b>24,559</b>		<b>1,871,657</b>
<b>Males</b>															
0-4	68,085	6.0%	76,706	12.5%	7,351	9.1%	3,096	10.5%	617	6.4%	4,798	8.8%	4,723	17.5%	165,376
5-9	66,226	5.8%	65,239	10.6%	7,180	8.9%	2,692	9.2%	911	9.5%	4,002	7.3%	4,253	15.8%	150,503
10-14	67,348	5.9%	57,726	9.4%	6,955	8.6%	2,682	9.1%	1,145	11.9%	3,629	6.6%	3,551	13.2%	143,036
15-19	68,980	6.1%	49,186	8.0%	7,084	8.8%	2,803	9.5%	989	10.3%	3,188	5.8%	2,764	10.3%	134,994
20-24	68,893	6.1%	48,316	7.9%	6,466	8.0%	2,586	8.8%	786	8.2%	3,223	5.9%	2,215	8.2%	132,485
25-29	76,895	6.8%	68,286	11.1%	6,670	8.3%	2,980	10.1%	966	10.1%	4,923	9.0%	1,906	7.1%	162,626
30-34	71,635	6.3%	63,124	10.3%	6,094	7.5%	2,634	9.0%	880	9.2%	6,109	11.2%	1,340	5.0%	151,816
35-39	83,083	7.3%	51,304	8.3%	6,223	7.7%	2,369	8.1%	765	8.0%	5,908	10.8%	1,310	4.9%	150,962
40-44	85,616	7.5%	40,502	6.6%	6,173	7.6%	2,103	7.1%	773	8.1%	4,407	8.0%	1,099	4.1%	140,673
45-49	91,224	8.0%	30,452	5.0%	5,843	7.2%	1,670	5.7%	582	6.1%	3,820	7.0%	1,046	3.9%	134,637
50-54	82,917	7.3%	21,400	3.5%	4,576	5.7%	1,161	3.9%	456	4.8%	3,043	5.6%	769	2.9%	114,322
55-59	77,077	6.8%	15,476	2.5%	3,381	4.2%	980	3.3%	253	2.6%	2,369	4.3%	605	2.2%	100,141
60-64	65,916	5.8%	10,323	1.7%	2,415	3.0%	626	2.1%	198	2.1%	1,691	3.1%	471	1.7%	81,640
65-69	49,450	4.3%	6,583	1.1%	1,644	2.0%	397	1.3%	111	1.2%	1,372	2.5%	342	1.3%	59,899
70-74	37,393	3.3%	4,225	0.7%	1,204	1.5%	241	0.8%	80	0.8%	994	1.8%	221	0.8%	44,358
75+	77,213	6.8%	5,753	0.9%	1,566	1.9%	393	1.3%	75	0.8%	1,290	2.4%	318	1.2%	86,608
<b>Total</b>	<b>1,137,95</b>		<b>614,601</b>		<b>80,825</b>		<b>29,413</b>		<b>9,587</b>		<b>54,766</b>		<b>26,933</b>		<b>1,954,076</b>

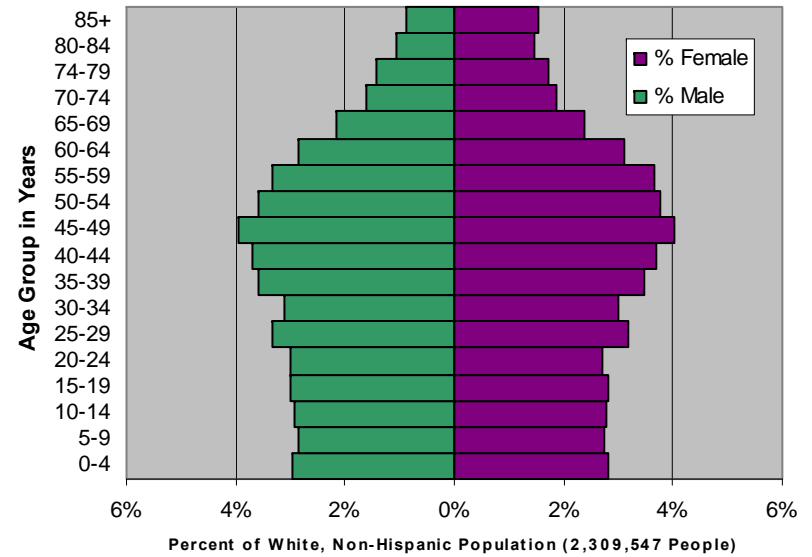
Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2007.

# Maricopa County 2007 Population Statistics

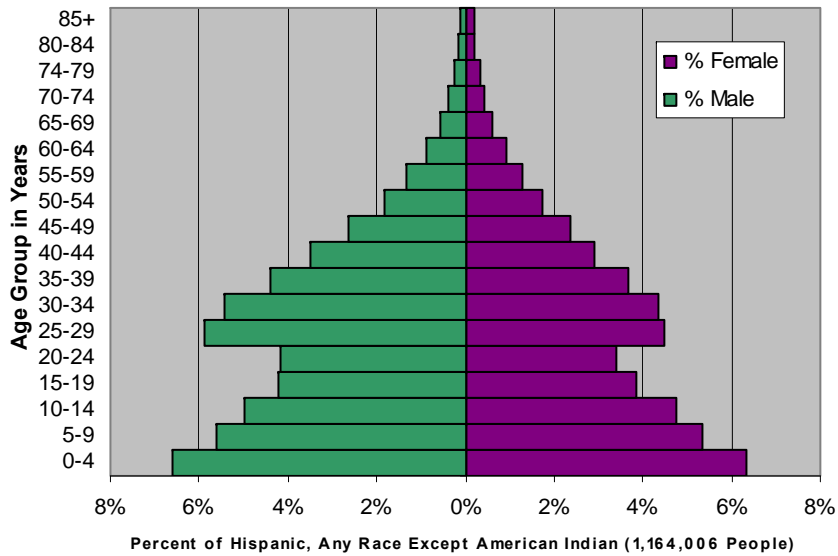
Population Pyramid for Maricopa County by Age and Sex, 2007  
All Races/Ethnicities



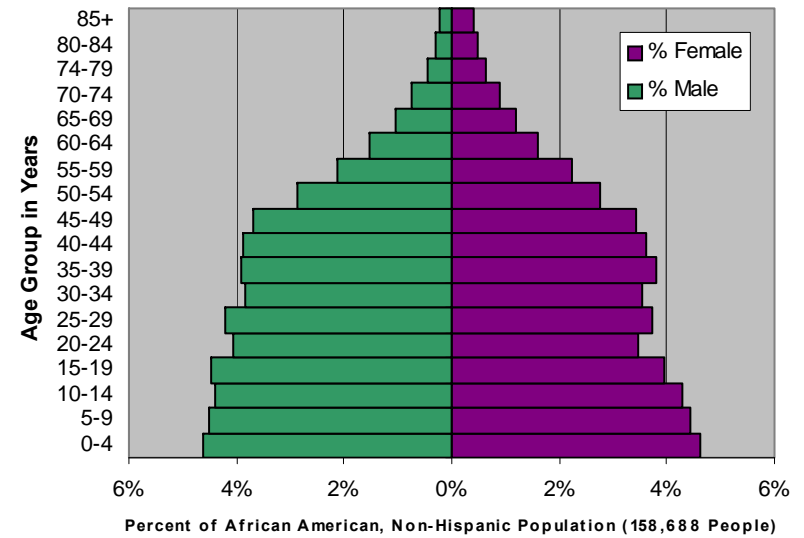
Population Pyramid for Maricopa County by Age and Sex, 2007  
White, Non-Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2007  
Hispanic, Any Race Except American Indian

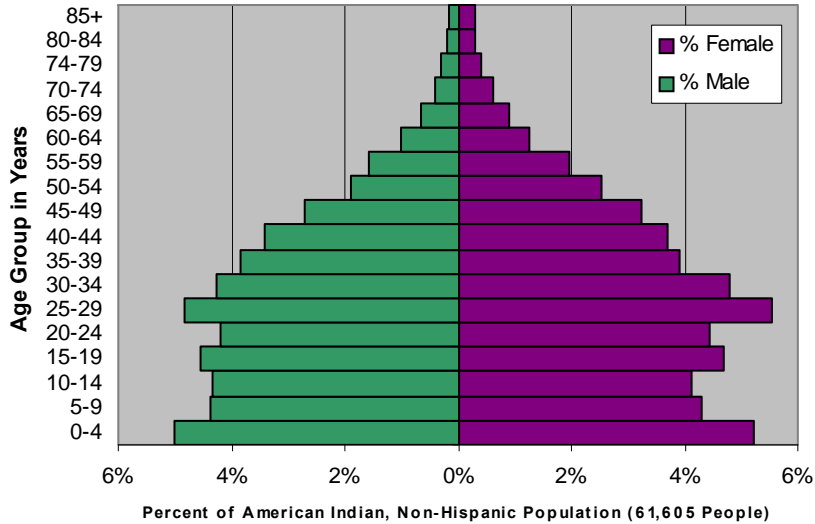


Population Pyramid for Maricopa County by Age and Sex, 2007  
African American, Non-Hispanic

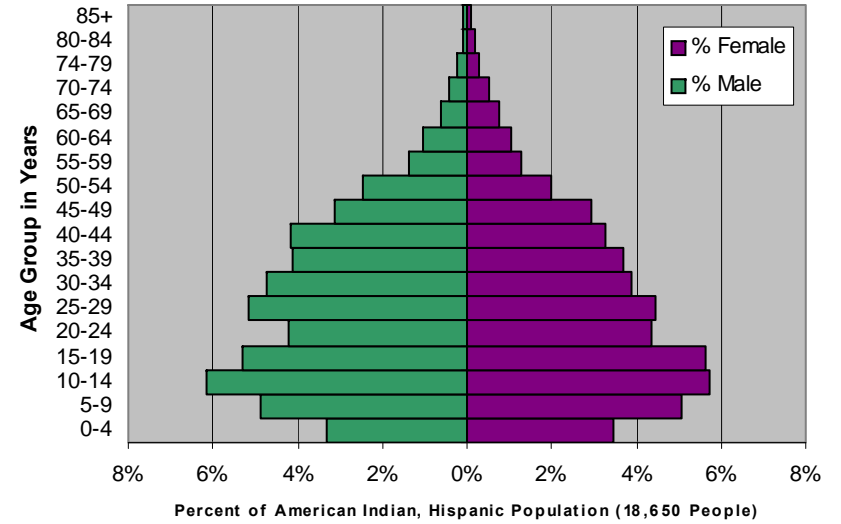


# Maricopa County 2007 Population Statistics

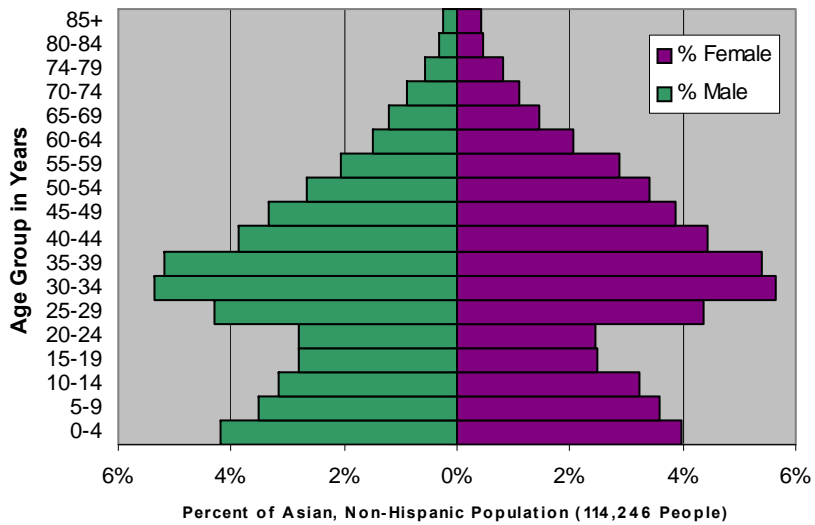
Population Pyramid for Maricopa County by Age and Sex, 2007  
American Indian, Non-Hispanic



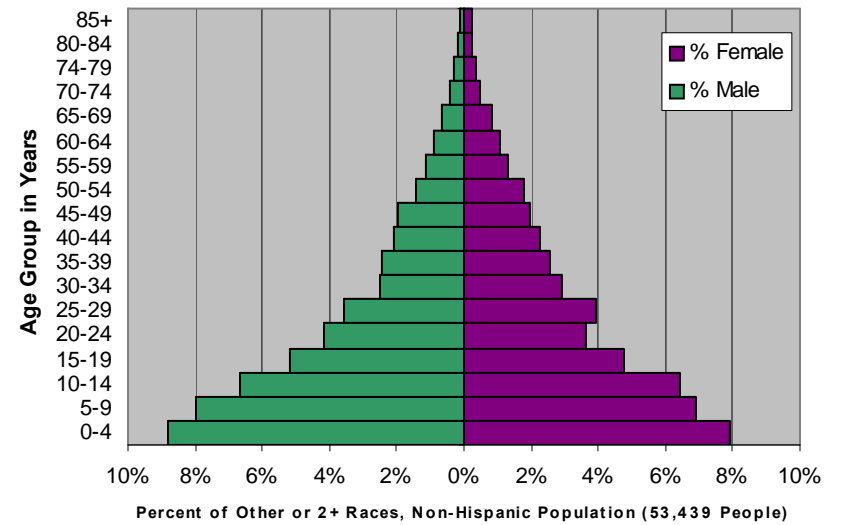
Population Pyramid for Maricopa County by Age and Sex, 2007  
American Indian, Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2007  
Asian, Non-Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2007  
Other or 2+ Races Non-Hispanic



## ***II. Maricopa County 2007 Mortality (Death) Statistics***

**Maricopa County 2007 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	132	225	40	9	4	7	0	417
1-4	27	34	4	3	2	0	0	70
5-9	8	18	2	3	0	3	0	34
10-14	13	25	3	4	1	2	0	48
15-19	85	79	13	7	2	1	0	187
20-24	123	139	24	9	2	6	0	303
25-34	288	219	40	19	5	10	0	581
35-44	552	190	69	40	12	10	1	874
45-54	1,314	314	134	57	4	25	7	1,855
55-64	2,155	357	134	48	3	43	2	2,742
65-74	3,115	359	136	50	4	50	4	3,718
75-84	5,782	480	146	43	0	59	3	6,513
85+	6,552	308	128	23	1	47	1	7,060
Unknown	3	1	0	0	0	0	3	7
<b>Total</b>	<b>20,149</b>	<b>2,748</b>	<b>873</b>	<b>315</b>	<b>40</b>	<b>263</b>	<b>21</b>	<b>24,409</b>

**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	119.4	172.5	299.1	190.2	476.2	74.9	-	150.4
5-9	6.2	14.1	14.1	56.1	0.0	37.0	-	11.5
10-14	9.9	22.1	21.8	76.6	45.2	27.4	-	17.2
15-19	63.4	84.1	97.5	123.2	98.2	16.5	-	71.8
20-24	93.5	158.4	200.8	168.9	125.3	99.7	-	122.0
25-34	98.6	93.3	164.8	158.5	146.8	44.6	-	97.6
35-44	165.4	112.9	285.6	436.8	422.5	46.3	-	154.8
45-54	371.3	314.7	662.7	894.5	204.4	164.7	-	370.1
55-64	719.7	692.0	1,127.5	1,331.9	341.3	443.4	-	722.6
65-74	1,687.9	1,547.7	2,201.4	3,164.6	943.4	946.4	-	1,671.2
75-84	4,427.5	4,478.9	4,945.8	5,939.2	0.0	2,388.7	-	4,394.8
85+	11,738.8	8,591.4	12,367.1	8,214.3	3,225.8	6,151.8	-	11,442.5
Unknown	-	-	-	-	-	-	-	-
<b>Total</b>	<b>872.4</b>	<b>236.1</b>	<b>550.1</b>	<b>511.3</b>	<b>214.5</b>	<b>230.2</b>	<b>-</b>	<b>629.1</b>

**Maricopa County 2007 Mortality (Death) Statistics**

**Table 2.02a Number of Deaths by Age Group and Sex**

Age Group	Sex		Total
	Male	Female	
<1	234	183	417
1-4	36	34	70
5-9	18	16	34
10-14	25	23	48
15-19	131	56	187
20-24	230	73	303
25-34	431	150	581
35-44	573	301	874
45-54	1,200	655	1,855
55-64	1,672	1,070	2,742
65-74	2,092	1,626	3,718
75-84	3,208	3,305	6,513
85+	2,586	4,474	7,060
Unknown	7	0	7
<b>Total</b>	<b>12,443</b>	<b>11,966</b>	<b>24,409</b>

**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	163.3	136.9	150.4
5-9	12.0	11.1	11.5
10-14	17.5	16.8	17.2
15-19	97.0	44.6	71.8
20-24	173.6	63.0	122.0
25-34	137.1	53.4	97.6
35-44	196.5	110.2	154.8
45-54	482.0	259.6	370.1
55-64	919.8	541.3	722.6
65-74	2,006.6	1,375.4	1,671.2
75-84	5,011.6	3,925.8	4,394.8
85+	11,444.0	11,441.6	11,442.5
Unknown	-	-	-
<b>Total</b>	<b>636.8</b>	<b>621.3</b>	<b>629.1</b>

## Maricopa County 2007 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	0	2	2	0	0	1	0	5	
	Syphilis	0	0	0	0	0	0	0	0	
	HIV	40	16	10	5	0	0	0	71	
Cancer	Stomach	62	29	5	0	0	3	0	99	
	Colon	451	26	21	2	0	6	0	506	
	Pancreas	301	25	13	1	1	4	0	345	
	Lung	1,235	63	46	8	2	16	0	1,370	
	Breast	335	37	15	3	0	5	0	395	
	Uterine & Ovarian	203	27	10	4	0	7	0	251	
	Prostate	259	15	13	0	0	1	0	288	
	Urinary	229	27	2	4	1	2	0	265	
	Lymphoma	180	13	6	0	0	2	0	201	
	Leukemia	189	34	5	2	0	4	0	234	
	Other	1,143	150	46	11	2	17	0	1,369	
	All Cancer	4,587	446	182	35	6	67	0	5,323	
	Diabetes and Alzheimer's	Diabetes	397	116	36	28	1	4	1	583
Alzheimer's		1,331	75	28	11	0	8	1	1,454	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	354	41	25	7	2	2	1	432
		Ischemic Heart Disease	3,600	340	134	31	5	26	2	4,138
		Other Heart Disease	821	75	32	12	0	6	1	947
		All Heart Disease	4,775	456	191	50	7	34	4	5,517
		Other Cardiovascular	Primary Hypertension	186	20	13	4	0	6	0
	Cerebrovascular		935	109	32	7	0	29	2	1,114
	Atherosclerosis		54	3	0	2	0	1	0	60
	Other Circulatory		172	20	12	4	0	0	0	208
	All Other Cardiovascular		1,347	152	57	17	0	36	2	1,611
	Other Respiratory Diseases	Influenza & Pneumonia	373	53	17	8	0	5	0	456
Chronic Lower Respiratory		1,311	60	25	3	1	5	2	1,407	
GI & Urinary	Peptic Ulcer	29	3	0	0	0	1	0	33	
	Liver Disease	246	79	6	21	4	0	0	356	
	Nephritis	155	34	18	5	0	2	0	214	
Pregnancy & Early Life	Pregnancy	2	3	0	1	0	0	0	6	
	Perinatal Conditions	56	108	21	5	1	6	0	197	
	Congenital Malformations	62	66	7	3	1	2	0	141	
	SIDS	10	8	3	1	0	0	0	22	
Other Diseases	Symptoms, Signs	491	55	15	3	2	2	4	572	
	Other Diseases	3,134	395	120	63	1	56	1	3,770	
External Causes	Motor Vehicle Collisions	283	171	18	18	4	10	1	505	
	All Other Accidents	926	161	54	27	6	13	3	1,190	
	Suicide	441	86	8	5	2	8	1	551	
	Homicide	84	184	47	6	4	3	1	329	
	Other External Causes	53	19	8	0	0	0	0	80	
	All External Causes	1,787	621	135	56	16	34	6	2,655	
Unknown		16	0	0	0	0	0	0	16	
<b>Total</b>		20,149	2,748	873	315	40	263	21	24,409	

## Maricopa County 2007 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	0.2	1.3	0	0	0.9	-	0.1	
	Syphilis	0	0	0	0	0	0	-	0	
	HIV	1.7	1.4	6.3	8.1	0	0	-	1.8	
Cancer	Stomach	2.7	2.5	3.2	0	0	2.6	-	2.6	
	Colon	19.5	2.2	13.2	3.2	0	5.3	-	13.0	
	Pancreas	13.0	2.1	8.2	1.6	5.4	3.5	-	8.9	
	Lung	53.5	5.4	29.0	13.0	10.7	14.0	-	35.3	
	Breast	14.5	3.2	9.5	4.9	0	4.4	-	10.2	
	Uterine & Ovarian <sup>1</sup>	17.3	4.9	12.8	12.4	0	11.8	-	13.0	
	Prostate <sup>1</sup>	22.8	2.4	16.1	0	0	1.8	-	14.7	
	Urinary	9.9	2.3	1.3	6.5	5.4	1.8	-	6.8	
	Lymphoma	7.8	1.1	3.8	0	0	1.8	-	5.2	
	Leukemia	8.2	2.9	3.2	3.2	0	3.5	-	6.0	
	Other	49.5	12.9	29.0	17.9	10.7	14.9	-	35.3	
	All Cancer	198.6	38.3	114.7	56.8	32.2	58.6	-	137.2	
	Diabetes and Alzheimer's	Diabetes	17.2	10.0	22.7	45.5	5.4	3.5	-	15.0
Alzheimer's		57.6	6.4	17.6	17.9	0	7.0	-	37.5	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	15.3	3.5	15.8	11.4	10.7	1.8	-	11.1
		Ischemic Heart Disease	155.9	29.2	84.4	50.3	26.8	22.8	-	106.6
		Other Heart Disease	35.5	6.4	20.2	19.5	0	5.3	-	24.4
		All Heart Disease	206.8	39.2	120.4	81.2	37.5	29.8	-	142.2
	Other Cardiovascular	Primary Hypertension	8.1	1.7	8.2	6.5	0	5.3	-	5.9
		Cerebrovascular	40.5	9.4	20.2	11.4	0	25.4	-	28.7
		Atherosclerosis	2.3	0.3	0	3.2	0	0.9	-	1.5
		Other Circulatory	7.4	1.7	7.6	6.5	0	0	-	5.4
		All Other Cardiovascular	58.3	13.1	35.9	27.6	0	31.5	-	41.5
		Other Respiratory Diseases	Influenza & Pneumonia	16.2	4.6	10.7	13.0	0	4.4	-
Chronic Lower Respiratory	56.8	5.2	15.8	4.9	5.4	4.4	-	36.3		
GI & Urinary	Peptic Ulcer	1.3	0.3	0	0	0	0.9	-	0.9	
	Liver Disease	10.7	6.8	3.8	34.1	21.4	0.0	-	9.2	
	Nephritis	6.7	2.9	11.3	8.1	0.0	1.8	-	5.5	
Pregnancy & Early Life	Pregnancy <sup>1</sup>	0.2	0.5	0	3.1	0	0	-	0.3	
	Perinatal Conditions	2.4	9.3	13.2	8.1	5.4	5.3	-	5.1	
	Congenital Malformations	2.7	5.7	4.4	4.9	5.4	1.8	-	3.6	
	SIDS <sup>2</sup>	0.4	0.3	1.0	0.5	0	0	-	0.3	
Other Diseases	Symptoms, Signs	21.3	4.7	9.5	4.9	10.7	1.8	-	14.7	
	Other Diseases	135.7	33.9	75.6	102.3	5.4	49.0	-	97.2	
External Causes	Motor Vehicle Collisions	12.3	14.7	11.3	29.2	21.4	8.8	-	13.0	
	All Other Accidents	40.1	13.8	34.0	43.8	32.2	11.4	-	30.7	
	Suicide	19.1	7.4	5.0	8.1	10.7	7.0	-	14.2	
	Homicide	3.6	15.8	29.6	9.7	21.4	2.6	-	8.5	
	Other External Causes	2.3	1.6	5.0	0	0	0	-	2.1	
	All External Causes	77.4	53.4	85.1	90.9	85.8	29.8	-	68.4	
Unknown		0.7	0	0	0	0	0	-	0.4	
<b>Total</b>		872.4	236.1	550.1	511.3	214.5	230.2	-	629.1	

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

<sup>2</sup> Sudden Infant Death Syndrome (SIDS) rates are per 1,000 live births

**Maricopa County 2007 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	1	0	0	1	1	2	0	0	0	5	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	HIV	0	0	0	0	0	1	14	18	27	8	3	0	0	0	71	
Cancer	Stomach	0	0	0	0	0	0	1	3	9	22	19	23	22	0	99	
	Colon	0	0	0	0	0	0	1	14	44	80	109	161	97	0	506	
	Pancreas	0	0	0	0	0	0	1	4	22	72	81	110	55	0	345	
	Lung	0	0	0	0	0	0	1	20	89	262	396	465	137	0	1,370	
	Breast	0	0	0	0	0	0	1	27	51	89	84	95	48	0	395	
	Uterine & Ovarian	0	0	0	0	0	1	0	7	24	55	62	70	32	0	251	
	Prostate	0	0	0	0	0	0	0	0	4	14	62	113	95	0	288	
	Urinary	0	0	0	1	0	0	2	3	21	35	58	85	60	0	265	
	Lymphoma	0	0	0	0	1	1	1	2	12	24	48	79	33	0	201	
	Leukemia	0	1	5	11	2	0	7	7	9	23	50	75	44	0	234	
	Other	0	7	7	1	6	8	23	35	160	280	308	352	182	0	1,369	
	All Cancer	0	8	12	13	9	10	38	122	445	956	1,277	1,628	805	0	5,323	
	Diabetes and Alzheimer's	Diabetes	0	0	0	1	1	2	6	17	58	104	122	165	107	0	583
Alzheimer's		0	0	0	0	0	0	0	0	2	11	62	421	958	0	1,454	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0	0	1	4	19	52	58	48	100	150	0	432
		Ischemic Heart Disease	0	0	0	0	0	3	2	43	209	442	636	1,227	1,575	1	4,138
		Other Heart Disease	4	2	0	1	5	5	20	27	62	82	116	261	362	0	947
		All Heart Disease	4	2	0	1	5	9	26	89	323	582	800	1,588	2,087	1	5,517
	Other Cardiovascular	Primary Hypertension	0	0	0	0	0	0	2	11	12	34	57	113	0	229	
		Cerebrovascular	0	0	1	1	0	2	3	21	55	85	168	346	432	0	1,114
		Atherosclerosis	0	0	0	0	0	0	0	0	2	3	5	14	36	0	60
		Other Circulatory	0	1	0	1	2	1	7	8	10	34	34	59	51	0	208
		All Other Cardiovascular	0	1	1	2	2	3	10	31	78	134	241	476	632	0	1,611

(Continued)

### Maricopa County 2007 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	1	2	0	0	2	1	3	14	32	32	56	143	170	0	456
	Chronic Lower Respiratory	0	1	1	3	2	0	3	6	30	127	312	549	373	0	1,407
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	0	2	5	1	8	9	8	0	33
	Liver Disease	0	0	0	0	0	0	8	48	99	76	72	40	12	1	356
	Nephritis	1	1	0	0	0	0	3	5	19	18	32	74	61	0	214
Pregnancy & Early Life	Pregnancy	0	0	0	0	2	0	2	2	0	0	0	0	0	0	6
	Perinatal Conditions	197	0	0	0	0	0	0	0	0	0	0	0	0	0	197
	Congenital Malformations	101	8	1	0	1	1	7	3	7	3	4	1	4	0	141
	SIDS	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Other Diseases	Symptoms, Signs	23	5	0	0	4	3	14	18	22	23	43	107	308	2	572
	Other Diseases	34	15	5	7	18	25	42	119	287	434	518	1,051	1,215	0	3,770
External Causes	Motor Vehicle Collisions	2	7	7	8	48	74	91	80	69	46	32	31	10	0	505
	All Other Accidents	17	15	3	4	16	44	102	133	198	88	87	180	302	1	1,190
	Suicide	0	0	0	3	25	46	113	100	109	76	37	36	6	0	551
	Homicide	11	3	3	3	45	75	91	50	25	12	2	7	0	2	329
	Other External Causes	3	2	1	3	7	7	7	16	18	8	5	3	0	0	80
	All External Causes	33	27	14	21	141	246	404	379	419	230	163	257	318	3	2,655
Unknown		1	0	0	0	0	1	1	1	1	2	3	4	2	0	16
<b>Total</b>		417	70	34	48	187	303	581	874	1,855	2,742	3,718	6,513	7,060	7	24,409

**Maricopa County 2007 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	0.4	0	0	0.2	0.3	0.9	0	0	-	0.1	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	-	0	
	HIV	0	0	0	0	0.4	2.4	3.2	5.4	2.1	1.3	0	0	-	1.8	
Cancer	Stomach	0	0	0	0	0	0.2	0.5	1.8	5.8	8.5	15.5	35.7	-	2.6	
	Colon	0	0	0	0	0	0.2	2.5	8.8	21.1	49.0	108.6	157.2	-	13.0	
	Pancreas	0	0	0	0	0	0.2	0.7	4.4	19.0	36.4	74.2	89.1	-	8.9	
	Lung	0	0	0	0	0	0.2	3.5	17.8	69.0	178.0	313.8	222.0	-	35.3	
	Breast	0	0	0	0	0	0.2	4.8	10.2	23.5	37.8	64.1	77.8	-	10.2	
	Uterine & Ovarian <sup>1</sup>	0	0	0	0	0.9	0	2.6	9.5	27.8	52.4	83.1	81.8	-	13.0	
	Prostate <sup>1</sup>	0	0	0	0	0	0	0	1.6	7.7	59.5	176.5	420.4	-	14.7	
	Urinary	0	0	0.4	0	0	0.3	0.5	4.2	9.2	26.1	57.4	97.2	-	6.8	
	Lymphoma	0	0	0	0.4	0.4	0.2	0.4	2.4	6.3	21.6	53.3	53.5	-	5.2	
	Leukemia	0.3	1.7	3.9	0.8	0.0	1.2	1.2	1.8	6.1	22.5	50.6	71.3	-	6.0	
	Other	2.2	2.4	0.4	2.3	3.2	3.9	6.2	31.9	73.8	138.4	237.5	294.9	-	35.3	
	<b>All Cancer</b>	<b>2.5</b>	<b>4.1</b>	<b>4.6</b>	<b>3.5</b>	<b>4.0</b>	<b>6.4</b>	<b>21.6</b>	<b>88.8</b>	<b>252.0</b>	<b>574.0</b>	<b>1,098.5</b>	<b>1,304.6</b>	<b>-</b>	<b>137.2</b>	
Diabetes and Alzheimer's	Diabetes	0	0	0.4	0.4	0.8	1.0	3.0	11.6	27.4	54.8	111.3	173.4	-	15.0	
	Alzheimer's	0	0	0	0	0	0	0	0.4	2.9	27.9	284.1	1,552.5	-	37.5	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0	0.4	0.7	3.4	10.4	15.3	21.6	67.5	243.1	-	11.1
		Ischemic Heart Disease	0	0	0	0	1.2	0.3	7.6	41.7	116.5	285.9	828.0	2,552.4	-	106.6
		Other Heart Disease	1.9	0	0.4	1.9	2.0	3.4	4.8	12.4	21.6	52.1	176.1	586.7	-	24.4
		<b>All Heart Disease</b>	<b>1.9</b>	<b>0</b>	<b>0.4</b>	<b>1.9</b>	<b>3.6</b>	<b>4.4</b>	<b>15.8</b>	<b>64.4</b>	<b>153.4</b>	<b>359.6</b>	<b>1,071.5</b>	<b>3,382.2</b>	<b>-</b>	<b>142.2</b>
	Other Cardiovascular	Primary Hypertension	0	0	0	0	0	0	0.4	2.2	3.2	15.3	38.5	183.1	-	5.9
		Cerebrovascular	0	0.3	0.4	0	0.8	0.5	3.7	11.0	22.4	75.5	233.5	700.1	-	28.7
		Atherosclerosis	0	0	0	0	0	0	0	0.4	0.8	2.2	9.4	58.3	-	1.5
		Other Circulatory	0.3	0	0.4	0.8	0.4	1.2	1.4	2.0	9.0	15.3	39.8	82.6	-	5.4
<b>All Other Cardiovascular</b>	<b>0.3</b>	<b>0.3</b>	<b>0.7</b>	<b>0.8</b>	<b>1.2</b>	<b>1.7</b>	<b>5.5</b>	<b>15.6</b>	<b>35.3</b>	<b>108.3</b>	<b>321.2</b>	<b>1024.2</b>	<b>-</b>	<b>41.5</b>		

(Continued)

## Maricopa County 2007 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	0.9	0	0	0.8	0.4	0.5	2.5	6.4	8.4	25.2	96.5	275.5	-	11.8
	Chronic Lower Respiratory	0.3	0.3	1.1	0.8	0	0.5	1.1	6.0	33.5	140.2	370.5	604.5	-	36.3
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0.0	0.4	1.0	0.3	3.6	6.1	13.0	-	0.9
	Liver Disease	0	0	0	0	0	1.3	8.5	19.8	20.0	32.4	27.0	19.4	-	9.2
	Nephritis	0.6	0	0	0	0	0.5	0.9	3.8	4.7	14.4	49.9	98.9	-	5.5
Pregnancy & Early Life	Pregnancy <sup>1</sup>	0	0	0	1.6	0	0.7	0.7	0	0	0	0	0	-	0.3
	Perinatal Conditions	60.8	0	0	0	0	0	0	0	0	0	0	0	-	5.1
	Congenital Malformations	33.7	0.3	0	0.4	0.4	1.2	0.5	1.4	0.8	1.8	0.7	6.5	-	3.6
	SIDS <sup>2</sup>	0.3	0	0	0	0	0	0	0	0	0	0	0	-	0.3
Other Diseases	Symptoms, Signs	8.6	0	0	1.5	1.2	2.4	3.2	4.4	6.1	19.3	72.2	499.1	-	14.7
	Other Diseases	15.1	1.7	2.5	6.9	10.1	7.1	21.1	57.3	114.4	232.8	709.2	1,969.0	-	97.2
External Causes	Motor Vehicle Collisions	2.8	2.4	2.9	18.4	29.8	15.3	14.2	13.8	12.1	14.4	20.9	16.2	-	13.0
	All Other Accidents	9.9	1.0	1.4	6.1	17.7	17.1	23.5	39.5	23.2	39.1	121.5	489.4	-	30.7
	Suicide	0	0	1.1	9.6	18.5	19.0	17.7	21.7	20.0	16.6	24.3	9.7	-	14.2
	Homicide	4.3	1.0	1.1	17.3	30.2	15.3	8.9	5.0	3.2	0.9	4.7	0	-	8.5
	Other External Causes	1.5	0.3	1.1	2.7	2.8	1.2	2.8	3.6	2.1	2.2	2.0	0	-	2.1
	All External Causes	18.5	4.8	7.5	54.1	99.0	67.8	67.1	83.6	60.6	73.3	173.4	515.3	-	68.4
Unknown		0.3	0	0	0	0.4	0.2	0.2	0.2	0.5	1.3	2.7	3.2	-	0.4
<b>Total</b>		150.4	11.5	17.2	71.8	122.0	97.6	154.8	370.1	722.6	1,671.2	4,394.8	11,441.4	-	629.1

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

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

**Maricopa County 2007 Mortality (Death) Statistics**

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

Cause		Sex		Total	
		Male	Female		
Infectious Diseases	Tuberculosis	3	2	5	
	Syphilis	0	0	0	
Cancer	HIV	59	12	71	
	Stomach	59	40	99	
	Colon	271	235	506	
	Pancreas	189	156	345	
	Lung	748	622	1,370	
	Breast	4	391	395	
	Uterine & Ovarian	0	251	251	
	Prostate	288	0	288	
	Urinary	185	80	265	
	Lymphoma	110	91	201	
	Leukemia	140	94	234	
	Other	835	534	1,369	
	<b>All Cancer</b>	<b>2,829</b>	<b>2,494</b>	<b>5,323</b>	
	Diabetes and Alzheimer's	Diabetes	322	261	583
		Alzheimer's	443	1,011	1,454
	Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	222	210
Ischemic Heart Disease			2,238	1,900	4,138
Other Heart Disease			436	511	947
<b>All Heart Disease</b>			<b>2,896</b>	<b>2,621</b>	<b>5,517</b>
Other Cardiovascular			Primary Hypertension	91	138
		Cerebrovascular	424	690	1,114
		Atherosclerosis	29	31	60
		Other Circulatory	118	90	208
		<b>All Other Cardiovascular</b>	<b>662</b>	<b>949</b>	<b>1,611</b>
Other Respiratory Diseases		Influenza & Pneumonia	213	243	456
	Chronic Lower Respiratory	635	772	1,407	
GI & Urinary	Peptic Ulcer	23	10	33	
	Liver Disease	225	131	356	
	Nephritis	121	93	214	
Pregnancy & Early Life	Pregnancy	0	6	6	
	Perinatal Conditions	107	90	197	
	Congenital Malformations	75	66	141	
	SIDS	14	8	22	
Other Diseases	Symptoms, Signs	202	370	572	
	Other Diseases	1,816	1,954	3,770	
External Causes	Motor Vehicle Collisions	351	154	505	
	All Other Accidents	690	500	1,190	
	Suicide	428	123	551	
	Homicide	263	66	329	
	Other External Causes	55	25	80	
	<b>All External Causes</b>	<b>1,787</b>	<b>868</b>	<b>2,655</b>	
Unknown		11	5	16	
<b>Total</b>		<b>12,443</b>	<b>11,966</b>	<b>24,409</b>	

**Maricopa County 2007 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	0.1	0.1	
	Syphilis	0	0	0	
	HIV	3.0	0.6	1.8	
Cancer	Stomach	3.0	2.1	2.6	
	Colon	13.9	12.2	13.0	
	Pancreas	9.7	8.1	8.9	
	Lung	38.3	32.3	35.3	
	Breast	0.2	20.3	10.2	
	Uterine & Ovarian <sup>1</sup>	-	13.0	13.0	
	Prostate <sup>1</sup>	14.7	-	14.7	
	Urinary	9.5	4.2	6.8	
	Lymphoma	5.6	4.7	5.2	
	Leukemia	7.2	4.9	6.0	
	Other	42.7	27.7	35.3	
	<b>All Cancer</b>	<b>144.8</b>	<b>129.5</b>	<b>137.2</b>	
	Diabetes and Alzheimer's	Diabetes	16.5	13.6	15.0
		Alzheimer's	22.7	52.5	37.5
	Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	11.4	10.9
Ischemic Heart Disease			114.5	98.6	106.6
Other Heart Disease			22.3	26.5	24.4
<b>All Heart Disease</b>			<b>148.2</b>	<b>136.1</b>	<b>142.2</b>
Other Cardiovascular		Primary Hypertension	4.7	7.2	5.9
		Cerebrovascular	21.7	35.8	28.7
		Atherosclerosis	1.5	1.6	1.5
		Other Circulatory	6.0	4.7	5.4
		<b>All Other Cardiovascular</b>	<b>33.9</b>	<b>49.3</b>	<b>41.5</b>
Other Respiratory Diseases	Influenza & Pneumonia	10.9	12.6	11.8	
	Chronic Lower Respiratory	32.5	40.1	36.3	
GI & Urinary	Peptic Ulcer	1.2	0.5	0.9	
	Liver Disease	11.5	6.8	9.2	
	Nephritis	6.2	4.8	5.5	
Pregnancy & Early Life	Pregnancy <sup>1</sup>	-	0.3	0.3	
	Perinatal Conditions	5.5	4.7	5.1	
	Congenital Malformations	3.8	3.4	3.6	
	SIDS <sup>2</sup>	0.7	0.4	0.6	
Other Diseases	Symptoms, Signs	10.3	19.2	14.7	
	Other Diseases	92.9	101.4	97.2	
External Causes	Motor Vehicle Collisions	18.0	8.0	13.0	
	All Other Accidents	35.3	26.0	30.7	
	Suicide	21.9	6.4	14.2	
	Homicide	13.5	3.4	8.5	
	Other External Causes	2.8	1.3	2.1	
	<b>All External Causes</b>	<b>91.4</b>	<b>45.1</b>	<b>68.4</b>	
Unknown		0.6	0.3	0.4	
<b>Total</b>		<b>636.8</b>	<b>621.3</b>	<b>629.1</b>	

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

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

**Maricopa County 2007 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	3	3	3	3	0	0
10-14	4	0	0	0	1	1
15-19	56	18	20	20	0	2
20-24	96	35	37	37	0	2
25-34	138	81	89	89	16	31
35-44	95	131	150	155	67	100
45-54	58	191	237	246	116	185
55-64	45	69	84	113	78	121
65-74	24	27	29	58	47	75
75-84	26	13	12	52	23	31
85+	5	1	1	20	5	8
Unknown	0	0	0	1	1	1
<b>Total</b>	<b>550</b>	<b>569</b>	<b>662</b>	<b>794</b>	<b>354</b>	<b>557</b>

**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	0.5	0.5	0.5	0.5	0	0
10-14	1.4	0	0	0	0.4	0.4
15-19	21.5	6.9	7.7	7.7	0	0.8
20-24	38.6	14.1	14.9	14.9	0	0.8
25-34	23.2	13.6	14.9	14.9	2.7	5.2
35-44	16.8	23.2	26.6	27.4	11.9	17.7
45-54	11.6	38.1	47.3	49.1	23.1	36.9
55-64	11.9	18.2	22.1	29.8	20.6	31.9
65-74	10.8	12.1	13.0	26.1	21.1	33.7
75-84	17.5	8.8	8.1	35.1	15.5	20.9
85+	8.1	1.6	1.6	32.4	8.1	13.0
Unknown	-	-	-	-	-	-
<b>Total</b>	<b>14.2</b>	<b>14.7</b>	<b>17.1</b>	<b>20.5</b>	<b>9.1</b>	<b>14.4</b>

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 2007 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	283	445	500	626	241	381
Hispanic	204	68	87	91	70	106
African American	48	38	48	48	10	20
American Indian, Non-Hispanic	8	8	15	17	27	40
American Indian, Hispanic	3	5	5	5	3	3
Asian	4	4	6	6	2	5
Other/Unknown	0	1	1	1	1	2
<b>Total</b>	<b>550</b>	<b>569</b>	<b>662</b>	<b>794</b>	<b>354</b>	<b>557</b>

**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	12.3	19.3	21.6	27.1	10.4	16.5
Hispanic	17.5	5.8	7.5	7.8	6.0	9.1
African American	30.2	23.9	30.2	30.2	6.3	12.6
American Indian, Non-Hispanic	13.0	13.0	24.3	27.6	43.8	64.9
American Indian, Hispanic	16.1	26.8	26.8	26.8	16.1	16.1
Asian	3.5	3.5	5.3	5.3	1.8	4.4
Other/Unknown	-	-	-	-	-	-
<b>Total</b>	<b>14.2</b>	<b>14.7</b>	<b>17.1</b>	<b>20.5</b>	<b>9.1</b>	<b>14.4</b>

**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	487	372	445	523	254	401
Female	63	197	217	271	100	156
<b>Total</b>	<b>550</b>	<b>569</b>	<b>662</b>	<b>794</b>	<b>354</b>	<b>557</b>

**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	24.9	19.0	22.8	26.8	13.0	20.5
Female	3.3	10.2	11.3	14.1	5.2	8.1
<b>Total</b>	<b>14.2</b>	<b>14.7</b>	<b>17.1</b>	<b>20.5</b>	<b>9.1</b>	<b>14.4</b>

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 2007 Mortality (Death) Statistics**

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

<b>2006 Deaths to Maricopa County Residents</b>		
	<b>Number Of Cases</b>	<b>Rate per 100,000 Residents</b>
<b>Race/Ethnicity</b>		
White	14	0.6
Hispanic	3	0.3
African-American	1	0.6
American Indian, Non-Hispanic	1	1.6
American Indian, Hispanic	0	0
Asian	0	0
Other/Unknown	1	-
Total	20	0.5
<b>Age at Death</b>		
0-4	2	0.6
5-9	0	0
10-14	0	0
15-19	0	0
20-24	0	0
25-34	1	0.2
35-44	4	0.7
45-54	3	0.6
55-64	0	0
65-74	3	1.3
75-84	4	2.7
85 and Older	3	4.9
Total	20	0.5
<b>Sex</b>		
Male	12	0.6
Female	8	0.4
Total	20	0.5

This table includes all known 2007 deaths with exposure to excessive natural heat as the underlying cause of death.

**Maricopa County 2007 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	1,674	8.3	880	32.0	245	28.1	107	34.0	23	57.5	34	12.9	2	9.5	2,965	12.1
Married	7,972	39.6	965	35.1	247	28.3	82	26.0	10	25.0	136	51.7	4	19.0	9,416	38.6
Widowed	7,407	36.8	535	19.5	186	21.3	68	21.6	0	0	73	27.8	0	0	8,269	33.9
Divorced	2,925	14.5	343	12.5	185	21.2	58	18.4	7	17.5	20	7.6	1	4.8	3,539	14.5
Unknown	171	0.8	25	0.9	10	1.1	0	0	0	0	0	0	14	66.7	220	0.9
<b>Total</b>	20,149		2,748		873		315		40		263		21		24,409	

**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	170	0.8	337	12.3	40	4.6	17	5.4	6	15.0	12	4.6	0	0	582	2.4
Grade 1-6	292	1.4	600	21.8	34	3.9	25	7.9	1	2.5	25	9.5	0	0	977	4.0
Some High School	2,461	12.2	697	25.4	167	19.1	100	31.7	11	27.5	24	9.1	1	4.8	3,461	14.2
HS Graduate	8,466	42.0	659	24.0	296	33.9	89	28.3	15	37.5	83	31.6	4	19.0	9,612	39.4
Some College	4,306	21.4	251	9.1	197	22.6	54	17.1	2	5.0	32	12.2	0	0	4,842	19.8
College Graduate	2,393	11.9	87	3.2	60	6.9	15	4.8	2	5.0	51	19.4	2	9.5	2,610	10.7
Graduate School	1,656	8.2	31	1.1	52	6.0	10	3.2	1	2.5	30	11.4	0	0	1,780	7.3
Unknown	405	2.0	86	3.1	27	3.1	5	1.6	2	5.0	6	2.3	14	66.7	545	2.2
<b>Total</b>	20,149		2,748		873		315		40		263		21		24,409	

**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	10,003	49.6	1,629	59.3	471	54.0	166	52.7	29	72.5	131	49.8	14	66.7	12,443	51.0
Female	10,146	50.4	1,119	40.7	402	46.0	149	47.3	11	27.5	132	50.2	7	33.3	11,966	49.0
<b>Total</b>	20,149		2,748		873		315		40		263		21		24,409	

**Maricopa County 2007 Mortality (Death) Statistics**

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

<b>Crude Death Rates</b>							
	<b>White</b>	<b>Hispanic</b>	<b>African American</b>	<b>Amer. Ind. Non-Hisp.</b>	<b>Amer. Ind. Hispanic</b>	<b>Asian</b>	<b>Total</b>
All Causes - Total	872.4	236.1	550.1	511.3	214.5	230.2	629.1
Heart Disease	206.8	39.2	120.4	81.2	37.5	29.8	142.2
All Cancer	198.6	38.3	114.7	56.8	32.2	56.8	137.2
Cerebrovascular	40.5	9.4	20.2	11.4	0	25.4	28.7
Unintentional Injuries <sup>1</sup>	51.4	28.4	45.4	71.4	53.6	18.4	43.0
Pneumonia & Influenza	16.2	4.6	10.7	13.0	0	4.4	158.8
Diabetes (single cause)	17.2	10.0	22.7	45.5	5.4	3.5	11.8
Suicide	19.1	7.4	5.0	8.1	10.7	7.0	15.0
Homicide	3.6	15.8	29.6	9.7	21.4	2.6	14.2
AIDS and HIV	1.7	1.4	6.3	8.1	0	0	8.5
Asthma	0.8	0.3	5.7	0	5.4	0	0.9
Drug Induced	19.3	5.8	23.9	13.0	26.8	3.5	14.7
Firearm Related	12.3	17.5	30.2	13.0	16.1	3.5	14.2
Alcohol Induced	10.4	6.0	6.3	43.8	16.1	1.8	9.1
<b>Age Adjusted Death Rates</b>							
	<b>White</b>	<b>Hispanic</b>	<b>African American</b>	<b>Amer. Ind. Non-Hisp.</b>	<b>Amer. Ind. Hispanic</b>	<b>Asian</b>	<b>Total</b>
All Causes	665.4	601.3	859.1	974.9	629.4	357.2	662.0
Heart Disease	151.8	133.9	215.8	185.5	119.1	50.1	150.0
Cancer	153.1	109.4	183.3	129.0	147.0	83.0	147.1
Cerebrovascular	29.7	30.9	38.8	28.4	0	43.4	30.5
Unintentional Injuries <sup>1</sup>	44.3	41.5	55.6	88.6	72.7	21.5	44.2
Pneumonia & Influenza	12.1	17.2	18.2	34.0	0	8.2	12.5
Diabetes (single cause)	13.2	33.0	35.8	101.4	172.3	5.4	16.0
Suicide	17.9	8.5	5.0	7.0	8.1	7.1	14.5
Homicide	3.9	15.3	27.6	9.3	15.9	2.0	8.4
AIDS and HIV	1.6	1.5	6.4	9.3	0	0	1.9
Asthma	0.7	0.6	9.4	0	4.8	0	0.9
Drug Induced	18.4	7.3	26.1	15.9	41.5	3.5	15.1
Firearm Related	11.9	17.6	28.5	11.6	12.2	3.1	14.4
Alcohol Induced	9.0	12.5	8.5	54.7	28.4	1.9	9.5

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

<sup>1</sup> Unintentional injuries listed in this table include 1,670 deaths from unintentional injuries, but do not include the 25 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 2007 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	2007 Maricopa County		Age Adjusted Rate (Deaths per 100,000 Residents)			
	No. of Individuals	Crude Rate (Deaths per 100,000 Residents)	Maricopa County 2007	Arizona 2007	U.S. 2005/ 2006 <sup>4</sup>	Healthy People 2010 Goal
All Causes	24,409	629.1	662.0	663.2	776.4	
Heart Disease	5,517	142.2	150.0	194.4	199.4	-
Coronary Heart Disease	4,552	117.3	123.9	115.0	-	166.0
All Other Heart Disease	965	24.9	26.1	-	-	-
All Cancers	5,323	137.2	147.1	148.0	180.8	159.9
Lung, Trachea, Bronchus Cancer	1,370	35.3	38.3	38.2	51.5	44.9
Female Breast Cancer <sup>1</sup>	391	20.3	19.8	20.1	24.1	22.3
Prostate Cancer <sup>1</sup>	288	14.7	19.3	18.9	24.5	28.8
All Other Cancers	3,274	84.4	-	-	-	-
Cerebrovascular Disease (Stroke)	1,114	28.7	30.5	30.6	43.6	48.0
Unintentional Injuries (Accidents) <sup>2</sup>	1,670	43.0	44.2	46.6	38.5	17.5
Motor Vehicle	505	13.0	13.3	16.2	14.7	-
Falls	497	12.8	13.4	10.6	6.5	-
Accidental Poisoning	418	10.8	11.1	11.6	8.2	-
Drowning	53	1.4	1.3	1.3	1.2	-
All Other Unintentional Injuries	222	5.7	-	-	-	-
Pneumonia & Influenza	456	11.8	12.5	12.9	17.7	-
Diabetes	583	15.0	16.0	17.0	23.3	45.0
Suicide	551	14.2	14.5	15.4	10.6	5.0
Homicide	329	8.5	8.4	7.7	6.0	3.0
AIDS & HIV	71	1.8	1.9	1.7	4.0	0.7 <sup>3</sup>
Asthma	33	0.9	0.9	-	1.1	-
Drug Induced	569	14.7	15.1	15.1	11.5	1.0
Firearm Related	550	14.2	14.4	14.4	10.1	4.1
Alcohol Induced	354	9.1	9.5	11.1	6.8	-

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 1,670 deaths from unintentional injuries, but do not include the 25 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 2005 U.S. data. All other figures are preliminary 2006 U.S. data.

### ***III. Maricopa County 2007 Communicable Disease Statistics***

## Maricopa County 2007 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.			
<b>Vaccine Preventable</b>	<i>H. influenzae</i>	18	15	5	1	0	0	7	46	
	Measles	0	0	0	0	0	0	0	0	
	Mumps	2	2	0	0	0	0	0	4	
	Pertussis	6	5	0	0	0	0	1	12	
<b>Central Nervous System</b>	Enceph Viral Other	6	2	0	0	0	1	1	10	
	Meningitis Viral/Aseptic	309	160	35	7	0	6	34	551	
	Meningococcal Meningitis	3	1	1	0	0	1	0	6	
<b>Enterics</b>	Amebiasis	2	2	0	0	0	0	3	7	
	Botulism	0	0	0	0	0	0	0	0	
	Campylobacteriosis	220	156	11	25	0	4	170	586	
	Cholera	0	1	0	0	0	0	0	1	
	Cryptosporidiosis	11	4	2	2	0	0	8	27	
	<i>E. Coli</i> O157.H7	20	4	1	0	0	1	18	44	
	Giardiasis	48	9	5	5	1	2	26	96	
	Listeriosis	6	2	0	0	0	0	0	8	
	Salmonella Paratyphi	1	0	0	0	0	0	0	1	
	Salmonellosis	205	99	13	23	0	13	140	493	
	Shigellosis	71	127	20	12	0	2	57	289	
	Typhoid	0	1	0	0	0	0	4	5	
	<b>Mycosis</b>	Coccidioidomycosis	1,022	202	105	52	2	36	2,031	3,450
<b>Zoonoses/ Vectorborne</b>		Brucellosis	0	4	0	0	0	0	0	4
		Dengue	1	0	0	0	0	0	0	1
		Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0
		Lyme Disease	0	0	0	0	0	0	0	0
		Malaria	1	2	0	0	0	2	2	7
		West Nile Virus <sup>1</sup>	44	12	1	0	0	0	11	68
<b>Hepatitides</b>	Hepatitis A	30	27	0	3	0	0	19	79	
	Hepatitis B <sup>1</sup> (Acute)	34	20	0	2	1	2	51	110	
	Hepatitis C	868	231	97	54	0	6	224	1,480	
	Hepatitis D	0	0	0	0	0	0	0	0	
<b>Other</b>	Legionellosis	25	4	1	0	0	0	3	33	
	MRSA	85	16	5	14	1	2	723	846	
	Strep Group A	49	19	0	3	0	0	35	106	
	Strep Group B	9	16	3	1	0	1	12	42	
	Strep Pneumo Invasive	207	83	30	18	0	3	173	514	
	Toxic Shock Syndrome	3	0	0	0	0	0	0	3	
	Vibrio spp.	3	2	0	0	0	0	2	7	
	VRE	839	149	63	50	0	11	580	1,692	
	Yersiniosis	1	0	1	0	0	0	2	4	
	Hansen's Disease	0	0	0	0	0	0	1	1	
<b>Tuberculosis</b>		22	91	12	5	0	40	1	171	
<b>Sexually Transmitted Disease</b>	Genital Herpes <sup>2</sup>	609	146	114	46	-	15	549	1,479	
	Gonorrhea <sup>2</sup>	1,143	351	713	114	-	15	837	3,173	
	Syphilis – Primary and Secondary <sup>2</sup>	109	47	27	7	-	2	0	192	
	Syphilis – All Others <sup>2</sup>	201	288	79	42	-	10	0	620	
	Chlamydia <sup>2</sup>	4,518	1,983	1,447	604	-	111	5,881	14,544	
	HIV	206	125	46	12	0	7	8	404	
	AIDS	178	101	56	9	0	3	1	348	
<b>All Others</b>		21	13	6	0	0	3	5	48	
<b>Total</b>		11,148	4,521	2,899	1,111	5	299	11,612	31,596	

<sup>1</sup>  
<sup>2</sup>

Figures for West Nile Virus and Hepatitis B (Acute) include confirmed and probable cases.  
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 2007 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.		
<b>Vaccine Preventable</b>	<i>H. influenzae</i>	0.8	1.3	3.2	1.6	0	0	-	1.2	
	Measles	0	0	0	0	0	0	-	0	
	Mumps	0.1	0.2	0	0	0	0	-	0.1	
	Pertussis	0.3	0.4	0	0	0	0	-	0.3	
<b>Central Nervous System</b>	Enceph Viral Other	0.3	0.2	0	0	0	0.9	-	0.3	
	Meningitis Viral/Aseptic	13.4	13.7	22.1	11.4	0.0	5.3	-	14.2	
	Meningococcal Meningitis	0.1	0.1	0.6	0	0	0.9	-	0.2	
<b>Enterics</b>	Amebiasis	0.1	0.2	0	0	0	0	-	0.2	
	Botulism	0	0	0	0	0	0	-	0	
	Campylobacteriosis	9.5	13.4	6.9	40.6	0	3.5	-	15.1	
	Cholera	0	0.1	0	0	0	0	-	0.0	
	Cryptosporidiosis	0.5	0.3	1.3	3.2	0	0	-	0.7	
	<i>E. Coli</i> O157.H7	0.9	0.3	0.6	0	0	0.9	-	1.1	
	Giardiasis	2.1	0.8	3.2	8.1	5.4	1.8	-	2.5	
	Listeriosis	0.3	0.2	0	0	0	0	-	0.2	
	Salmonella Paratyphi	0.0	0	0	0	0	0	-	0.0	
	Salmonellosis	8.9	8.5	8.2	37.3	0	11.4	-	12.7	
	Shigellosis	3.1	10.9	12.6	19.5	0	1.8	-	7.4	
	Typhoid	0	0.1	0	0	0	0	-	0.1	
	<b>Mycosis</b>	Coccidioidomycosis	44.3	17.4	66.2	84.4	10.7	31.5	-	88.9
	<b>Zoonoses/ Vectorborne</b>	Brucellosis	0	0.3	0	0	0	0	-	0.1
Dengue		0.0	0	0	0	0	0	-	0.0	
Hantavirus Pulm. Syn.		0	0	0	0	0	0	-	0	
Lyme Disease		0	0	0	0	0	0	-	0	
Malaria		0.0	0.2	0	0	0	1.8	-	0.2	
West Nile Virus		1.9	1.0	0.6	0	0	0	-	1.8	
<b>Hepatitides</b>		Hepatitis A	1.3	2.3	0.0	4.9	0	0	-	2.0
Hepatitis B (Acute)	1.5	1.7	0	3.2	5.0	1.8	-	2.8		
Hepatitis C	37.6	19.8	61.1	87.7	0	5.3	-	38.1		
Hepatitis D	0	0	0	0	0	0	-	0		
<b>Other</b>	Legionellosis	1.1	0.3	0.6	0	0	0	-	0.9	
	MRSA	3.7	1.4	3.2	22.7	5.4	1.8	-	21.8	
	Strep Group A	2.1	1.6	0	4.9	0	0	-	2.7	
	Strep Group B <sup>1</sup>	0.3	0.5	1.0	0.5	0	0.4	-	0.6	
	Strep Pneumo Invasive	9.0	7.1	18.9	29.2	0	2.6	-	13.2	
	Toxic Shock Syndrome	0.1	0	0	0	0	0	-	0.1	
	Vibrio spp.	0.1	0.2	0	0	0	0	-	0.2	
	VRE	36.3	12.8	39.7	81.2	0	9.6	-	43.6	
	Yersiniosis	0.0	0	0.6	0.0	0	0	-	0.1	
	Hansen's Disease	0	0	0	0	0	0	-	0.0	
<b>Tuberculosis</b>		1.0	7.8	7.6	8.1	0.0	35.0	-	4.4	
<b>Sexually Transmitted Disease</b>	Genital Herpes <sup>2</sup>	26.4	12.5	71.8	74.7	-	13.1	-	38.1	
	Gonorrhea <sup>2</sup>	49.5	30.2	449.3	185.0	-	13.1	-	81.8	
	Syphilis – Primary and Secondary <sup>2</sup>	4.7	4.0	17.0	11.4	-	1.8	-	4.9	
	Syphilis – All Others <sup>2</sup>	8.7	24.7	49.8	68.2	-	8.8	-	16.0	
	Chlamydia <sup>2</sup>	195.6	170.4	911.9	980.4	-	97	-	374.8	
	HIV	8.9	10.7	29.0	19.5	0	6.1	-	10.4	
	AIDS	7.7	8.7	35.3	14.6	0	2.6	-	9.0	
<b>All Others</b>		0.9	1.1	3.8	0	0	2.6	-	1.2	
<b>Total</b>		482.7	388.4	1,826.9	1,803.4	26.8	261.7	-	814.3	

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

<sup>2</sup> 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 2007 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>	5	7	3	0	0	1	1	4	3	7	11	4	0	46
	Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mumps	0	0	1	1	0	0	1	0	0	1	0	0	0	4
	Pertussis	5	2	0	1	0	1	0	1	0	1	1	0	0	12
Central Nervous System	Enceph Viral Other	0	2	0	1	0	0	0	1	0	1	4	1	0	10
	Meningitis Viral/Aseptic	107	10	17	23	25	55	99	71	57	43	32	10	2	551
	Meningococcal Meningitis	2	0	0	0	0	1	1	1	0	1	0	0	0	6
Enterics	Amebiasis	1	0	1	0	0	0	0	2	2	0	0	1	0	7
	Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Campylobacteriosis	36	82	51	28	28	24	67	74	74	59	47	4	12	586
	Cholera	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Cryptosporidiosis	1	4	4	2	0	3	3	4	3	1	2	0	0	27
	<i>E. Coli</i> O157.H7	5	9	8	2	2	1	1	4	6	2	3	0	1	44
	Giardiasis	2	26	10	8	2	5	7	23	5	5	2	1	0	96
	Listeriosis	1	0	0	0	0	1	0	0	1	0	5	0	0	8
	Salmonella Paratyphi	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	Salmonellosis	47	85	39	23	25	27	43	62	51	24	58	9	0	493
	Shigellosis	6	121	57	21	9	11	22	11	19	8	4	0	0	289
Typhoid	0	1	1	2	0	0	0	0	0	0	1	0	0	5	
Mycosis	Coccidioidomycosis	26	13	44	60	118	163	419	533	557	557	846	105	9	3,450
Zoonoses/ Vectorborne	Brucellosis	0	0	0	0	1	0	3	0	0	0	0	0	0	4
	Dengue	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Malaria	1	0	0	0	1	2	1	1	1	0	0	0	0	7
	West Nile Virus <sup>1</sup>	0	2	1	1	1	0	3	13	16	11	19	1	0	68
	Hepatitides	Hepatitis A	2	0	1	6	11	10	21	12	7	6	2	1	0
Hepatitis B <sup>1</sup> (Acute)		1	0	0	2	0	5	29	30	28	12	3	0	0	110
Hepatitis C		4	2	0	0	13	42	131	302	584	281	102	6	13	1,480
Hepatitis D		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Legionellosis	1	0	0	0	0	1	1	3	6	4	17	0	0	33
	MRSA	6	5	3	4	5	8	44	80	131	140	323	82	15	846
	Strep Group A	5	4	4	1	2	2	9	11	25	10	28	4	1	106
	Strep Group B <sup>2</sup>	42	0	0	0	0	0	0	0	0	0	0	0	0	42
	Strep Pneumo Invasive	33	55	17	1	2	10	28	56	92	84	105	30	1	514
	Toxic Shock Syndrome	0	0	0	0	0	0	1	1	1	0	0	0	0	3
	Vibrio spp.	0	0	1	0	1	0	2	0	3	0	0	0	0	7
	VRE	14	20	10	2	13	25	48	103	176	322	725	228	6	1,692
	Yersiniosis	2	0	0	0	0	0	1	0	0	0	1	0	0	4
	Hansen's Disease	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	Tuberculosis	0	12	1	3	5	18	26	31	26	16	29	4	0	171
Sexually Transmitted Diseases	Genital Herpes	0	7	5	8	126	290	520	294	135	66	28	0	0	1,479
	Gonorrhea	0	3	3	23	764	920	910	359	154	31	6	0	0	3,173
	Syphilis – Primary and Secondary	0	0	0	0	3	14	67	66	30	11	1	0	0	192
	Syphilis – All Others	20	0	0	0	7	55	215	166	108	38	11	0	0	620
	Chlamydia	0	10	2	153	4,656	5,030	3,704	740	201	39	9	0	0	14,544
	HIV	0	0	1	0	13	71	131	115	53	17	3	0	0	404
	AIDS	0	0	0	1	2	18	84	132	80	29	2	0	0	348
All Others	1	11	11	4	2	3	6	3	3	2	1	1	0	48	
<b>Total</b>	<b>376</b>	<b>492</b>	<b>296</b>	<b>380</b>	<b>5,837</b>	<b>6,818</b>	<b>6,651</b>	<b>3,304</b>	<b>2,635</b>	<b>1,828</b>	<b>2,427</b>	<b>492</b>	<b>60</b>	<b>31,596</b>	

<sup>1</sup> Figures for West Nile Virus and Hepatitis B (Acute) include confirmed and probable cases.  
<sup>2</sup> Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

**Maricopa County 2007 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.	
<b>Vaccine Preventable</b>	<i>H. influenzae</i>	3.7	1.0	0	0	0.4	0.2	0.7	0.6	1.8	3.0	6.5	-	1.2
	Measles	0	0	0	0	0	0	0	0	0	0	0	-	0
	Mumps	0	0.3	0.4	0	0	0.2	0	0	0.3	0	0	-	0.1
	Pertussis	2.2	0.0	0.4	0	0.4	0	0.2	0	0.3	0.3	0	-	0.3
<b>Central Nervous System</b>	Enceph Viral Other	0.6	0	0.4	0	0	0	0.2	0	0.3	1.1	1.6	-	0.3
	Meningitis Viral/Aseptic	36.1	5.8	8.2	9.6	22.1	16.6	12.6	11.4	11.3	8.6	16.2	-	14.2
	Meningococcal Meningitis	0.6	0	0	0	0.4	0.2	0.2	0.0	0.3	0	0	-	0.2
<b>Enterics</b>	Amebiasis	0.3	0.3	0	0	0	0	0.4	0.4	0	0	1.6	-	0.2
	Botulism	0	0	0	0	0	0	0	0	0	0	0	-	0
	Campylobacteriosis	36.4	17.3	10.0	10.7	9.7	11.2	13.1	14.8	15.5	12.7	6.5	-	15.1
	Cholera	0.0	0.0	0	0	0	0	0.2	0	0	0	0	-	0.0
	Cryptosporidiosis	1.5	1.4	0.7	0	1.2	0.5	0.7	0.6	0.3	0.5	0	-	0.7
	<i>E. Coli</i> O157.H7	4.3	2.7	0.7	0.8	0.4	0.2	0.7	1.2	0.5	0.8	0	-	1.1
	Giardiasis	8.6	3.4	2.9	0.8	2.0	1.2	4.1	1.0	1.3	0.5	1.6	-	2.5
	Listeriosis	0.3	0	0	0	0.4	0	0	0.2	0	1.3	0	-	0.2
	Salmonella Paratyphi	0	0	0.0	0	0.4	0	0	0	0	0	0	-	0.0
	Salmonellosis	40.8	13.2	8.2	9.6	10.9	7.2	11.0	10.2	6.3	15.6	14.6	-	12.7
	Shigellosis	39.2	19.4	7.5	3.5	4.4	3.7	1.9	3.8	2.1	1.1	0	-	7.4
Typhoid	0.3	0.3	0.7	0	0	0	0	0	0	0.3	0	-	0.1	
<b>Mycosis</b>	Coccidioidomycosis	12.0	14.9	21.5	45.3	65.6	70.4	94.4	111.1	146.8	228.2	170.2	-	88.9
<b>Zoonoses/ Vectorborne</b>	Brucellosis	0	0	0	0.4	0	0.5	0	0	0	0	0	-	0.1
	Dengue	0	0	0	0	0	0.2	0	0	0	0	0	-	0.0
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0	0	0	0	-	0
	Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	-	0
	Malaria	0.3	0	0	0.4	0.8	0.2	0.2	0.2	0	0	0	-	0.2
	West Nile Virus	0.6	0.3	0	0.4	0	0.5	2.3	3.2	2.9	5.1	1.6	-	1.8
	<b>Hepatitides</b>	Hepatitis A	0.6	0.3	2.1	4.2	4.0	3.5	2.1	1.4	1.6	0.5	1.6	-
Hepatitis B (Acute)		0.3	0	0.7	0	2.0	4.9	5.3	5.6	3.2	0.8	0	-	2.8
Hepatitis C		1.9	0	0	5.0	16.9	22.0	53.5	116.5	74.1	27.5	10	-	38.1
Hepatitis D		0	0	0	0	0	0	0	0	0	0	0	-	0
<b>Other</b>		Legionellosis	0.3	0	0	0	0.4	0.2	0.5	1.2	1.1	4.6	0	-
	MRSA	3.4	1.0	1.4	1.9	3.2	7.4	14.2	26.1	36.9	87.1	132.9	-	21.8
	Strep Group A	2.8	1.4	0.4	0.8	0.8	1.5	1.9	5.0	2.6	7.6	6.5	-	2.7
	Strep Group B <sup>1</sup>	0.6	0	0	0	0	0	0	0	0	0	0	-	0.6
	Strep Pneumo Invasive	27.2	5.8	0.4	0.8	4.0	4.7	9.9	18.4	22.1	28.3	48.6	-	13.2
	Toxic Shock Syndrome	0	0	0	0	0	0.2	0.2	0.2	0	0	0	-	0.1
	Vibrio spp.	0	0.3	0	0.4	0	0.3	0	0.6	0	0	0	-	0.2
	VRE	10.5	3.4	0.7	5.0	10.1	8.1	18.2	35.1	84.9	195.6	369.5	-	43.6
	Yersiniosis	0.6	0	0	0	0	0.2	0	0	0	0.3	0	-	0.1
	Hansen's Disease	0	0	0	0	0	0.2	0	0	0	0	0	-	0.0
	<b>Tuberculosis</b>		3.7	0.3	1.1	1.9	7.2	4.4	5.5	5.2	4.2	13.0	2.7	-
<b>Sexually Transmitted Diseases</b>	Genital Herpes	2.2	1.7	2.9	48.4	116.7	87.3	52.1	26.9	17.4	12.6	0	-	38.1
	Gonorrhea	0.9	1.0	8.2	293.3	370.3	152.8	63.6	30.7	8.2	2.7	0	-	81.8
	Syphilis – Primary and Secondary	0	0	0	1.2	5.6	11.2	11.7	6.0	2.9	0.4	0	-	4.9
	Syphilis – All Others	6.2	0	0	2.7	22.1	36.1	29.4	21.5	10.0	4.9	0	-	16.0
	Chlamydia	3.1	0.7	54.7	1787.6	2024.8	621.9	131.0	40.1	10.3	4.0	0	-	374.8
	HIV	0	0	0	5.0	28.6	22.0	20.4	10.6	4.5	1.3	0	-	10
	AIDS	0	0	0	0.8	7.2	14.1	23.4	16.0	7.6	0.9	0	-	9
<b>All Others</b>		3.7	3.7	1.4	0.8	1.2	1.0	0.5	0.6	0.5	0.3	1.6	-	1.2
<b>Total</b>		268.0	100.5	135.9	2,241.0	2,744.6	1,116.7	585.0	525.7	481.8	654.8	797.4	-	814.3

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

**Maricopa County 2007 Communicable Disease Statistics**

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

Disease	Sex			Total	
	Male	Female	Unk.		
<b>Vaccine Preventable</b>	<i>H. influenzae</i>	26	20	0	46
	Measles	0	0	0	0
	Mumps	3	4	0	7
	Pertussis	4	8	0	12
<b>Central Nervous System</b>	Enceph Viral Other	3	7	0	10
	Meningitis Viral/Aseptic	288	263	0	551
	Meningococcal	2	4	0	6
<b>Enterics</b>	Amebiasis	6	1	0	7
	Botulism	0	0	0	0
	Campylobacteriosis	306	277	3	586
	Cholera	1	0	0	1
	Cryptosporidiosis	18	9	0	27
	<i>E. Coli</i> O157.H7	27	17	0	44
	Giardiasis	64	32	0	96
	Listeriosis	5	3	0	8
	Salmonella Paratyphi	0	1	0	1
	Salmonellosis	197	296	0	493
	Shigellosis	138	151	0	289
	Typhoid	2	3	0	5
	<b>Mycosis</b>	Coccidioidomycosis	1,860	1,547	43
<b>Zoonoses/ Vectorborne</b>	Brucellosis	2	2	0	4
	Dengue	0	1	0	1
	Hantavirus Pulm. Syn.	0	0	0	0
	Lyme Disease	0	0	0	0
	Malaria	6	1	0	7
	West Nile Virus <sup>1</sup>	31	37	0	68
<b>Hepatitides</b>	Hepatitis A	47	32	0	79
	Hepatitis B <sup>1</sup> (Acute)	65	45	0	110
	Hepatitis C	1,003	450	27	1,480
	Hepatitis D	0	0	0	0
<b>Other</b>	Legionellosis	15	18	0	33
	MRSA	494	336	16	846
	Strep Group A	55	50	1	106
	Strep Group B	21	21	0	42
	Strep Pneumo Invasive	294	219	1	514
	Toxic Shock Syndrome	0	3	0	3
	Vibrio spp.	3	4	0	7
	VRE	679	1,002	11	1,692
	Yersiniosis	2	2	0	4
	Hansen's Disease	0	1	0	1
	<b>Tuberculosis</b>		96	75	0
<b>Sexually Transmitted Diseases</b>	Genital Herpes	605	874	0	1,479
	Gonorrhea	1,768	1,405	0	3,173
	Syphilis – Primary and Secondary	172	20	0	192
	Syphilis – All Others	451	169	0	620
	Chlamydia	3,407	11,137	0	14,544
	HIV	358	46	0	404
	AIDS	288	60	0	348
<b>All Others</b>		25	23	0	48
<b>Total</b>		12,834	18,660	102	31,596

<sup>1</sup>

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

**Maricopa County 2007 Communicable Disease Statistics**

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

Disease	Sex			Total	
	Male	Female	Unk.		
<b>Vaccine Preventable</b>	<i>H. influenzae</i>	1.3	1.0	-	1.2
	Measles			-	
	Mumps	0.2	0.1	-	0.1
	Pertussis	0.2	0.4	-	0.3
<b>Central Nervous System</b>	Enceph Viral Other	14.7	13.7	-	14.2
	Meningitis Viral/Aseptic	0.2	0.4	-	0.3
	Meningococcal Meningitis	0.1	0.2	-	0.2
<b>Enterics</b>	Amebiasis	0.3	0.1	-	0.2
	Botulism	0	0	-	0
	Campylobacteriosis	15.7	14.4	-	15.1
	Cholera	0.1	0	-	0.0
	Cryptosporidiosis	0.9	0.5	-	0.7
	<i>E. Coli</i> O157.H7	1.4	0.9	-	1.1
	Giardiasis	3.3	1.7	-	2.5
	Listeriosis	0.3	0.2	-	0.2
	Salmonella Paratyphi	0	0.1	-	0.0
	Salmonellosis	10.1	15.4	-	12.7
	Shigellosis	7.1	7.8	-	7.4
	Typhoid	0.1	0.2	-	0.1
	<b>Mycosis</b>	Coccidioidomycosis	95.2	80.3	-
<b>Zoonoses/ Vectorborne</b>	Brucellosis	0.1	0.1	-	0.1
	Dengue	0	0.1	-	0.0
	Hantavirus Pulm. Syn.	0	0	-	0
	Lyme Disease	0	0	-	0
	Malaria	0.3	0.1	-	0.2
	West Nile Virus	1.6	1.9	-	1.8
<b>Hepatitides</b>	Hepatitis A	2.4	1.7	-	2.0
	Hepatitis B (Acute)	3.3	2.3	-	2.8
	Hepatitis C	51.3	23.4	-	38.1
	Hepatitis D	0	0	-	0
<b>Other</b>	Legionellosis	0.8	0.9	-	0.9
	MRSA	25.3	17.4	-	21.8
	Strep Group A	2.8	2.6	-	2.7
	Strep Group B <sup>1</sup>	0.6	0.7	-	0.6
	Strep Pneumo Invasive	15.0	11.4	-	13.2
	Toxic Shock Syndrome	0	0.2	-	0.1
	Vibrio spp.	0.2	0.2	-	0.2
	VRE	34.7	52.0	-	43.6
	Yersiniosis	0.1	0.1	-	0.1
	Hansen's Disease	0.0	0.1	-	0.0
	<b>Tuberculosis</b>		4.9	3.9	-
<b>Sexually Transmitted Diseases</b>	Genital Herpes	31.0	45.4	-	38.1
	Gonorrhea	90.5	72.9	-	81.8
	Syphilis – Primary and Secondary	8.8	1.0	-	4.9
	Syphilis – All Others	23.1	8.8	-	16.0
	Chlamydia	174.4	578.2	-	374.8
	HIV	18.3	2.4	-	10.4
	AIDS	14.7	3.1	-	9.0
<b>All Others</b>		1.3	1.2	-	1.2
<b>Total</b>		656.8	968.8	-	814.3

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

**Maricopa County 2007 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 2007	U.S. 2006	Healthy People 2010 Goal
Hepatitis C	1,480	38.1	-	-	1.0
Salmonellosis	493	12.7	15.5	15.45	6.8
AIDS	348	9.0	-	-	1.0
HIV	404	10.4	9.1	-	-
Tuberculosis	171	4.4	4.7	4.65	1.0
Hepatitis B (Acute Cases Only)	110	2.8	2.8	1.62	-
Hepatitis A	79	2.0	2.4	1.21	4.5
Syphilis (Primary and Secondary)	192	4.9	4.6	3.29	0.2 <sup>1</sup>
Pertussis	12	0.3	3.3	5.27	0.7
Rubella	0	0	0	0	0
Mumps	4	0.1	0.2	2.22	0
Measles	0	0	0	0.02	0

<sup>1</sup> 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 2007 Natality (Birth) Statistics***

**Maricopa County 2007 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	18	0.1	85	0.3	10	0.3	4	0.2	1	0.9	0	0	1	0.5	119	0.2
15-19	1,631	6.1	5,211	16.7	430	14.1	319	16.7	27	24.5	66	2.6	13	6.0	7,697	11.7
20-24	5,727	21.3	9,315	29.8	967	31.8	650	34.1	30	27.3	284	11.3	24	11.0	16,997	25.8
25-29	8,125	30.2	8,273	26.5	783	25.8	495	26.0	27	24.5	752	30.0	56	25.7	18,511	28.1
30-34	6,962	25.9	5,478	17.5	553	18.2	289	15.2	16	14.5	882	35.2	51	23.4	14,231	21.6
35-39	3,602	13.4	2,377	7.6	248	8.2	126	6.6	7	6.4	435	17.3	44	20.2	6,839	10.4
40-44	761	2.8	502	1.6	43	1.4	21	1.1	2	1.8	83	3.3	19	8.7	1,431	2.2
45+	58	0.2	21	0.1	6	0.2	1	0.1	0	0	6	0.2	10	4.6	102	0.2
Unk.	0	0	3	0.0	0	0	0	0	0	0	0	0	0	0	3	0.0
<b>Total</b>	<b>26,884</b>		<b>31,265</b>		<b>3,040</b>		<b>1,905</b>		<b>110</b>		<b>2,508</b>		<b>218</b>		<b>65,930</b>	

**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	19,487	72.5	12,810	41.0	1,075	35.4	495	26.0	39	35.5	2,095	83.5	167	76.6	36,168	54.9
Single	7,167	26.7	18,178	58.1	1,935	63.7	1,389	72.9	68	61.8	398	15.9	50	22.9	29,185	44.3
Refused	173	0.6	227	0.7	26	0.9	17	0.9	2	1.8	8	0.3	0	0	453	0.7
Divorced	5	0.0	2	0.0	0	0	0	0	0	0	2	0.1	1	0.5	10	0.0
Unknown	52	0.2	48	0.2	4	0.1	4	0.2	1	0.9	5	0.2	0	0	114	0.2
<b>Total</b>	<b>26,884</b>		<b>31,265</b>		<b>3,040</b>		<b>1,905</b>		<b>110</b>		<b>2,508</b>		<b>218</b>		<b>65,930</b>	

**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 <sup>th</sup> Grade	23	0.1	1,061	3.4	51	1.7	2	0.1	0	0	15	0.6	3	1.4	1,155	1.8
6 <sup>th</sup> - 11 <sup>th</sup> Grade	2,279	8.5	14,958	47.8	579	19.0	550	28.9	45	40.9	118	4.7	23	10.6	18,552	28.1
HS Diploma	6,781	25.2	9,177	29.4	1,100	36.2	643	33.8	30	27.3	495	19.7	32	14.7	18,258	27.7
College+	17,630	65.6	5,672	18.1	1,245	41.0	687	36.1	34	30.9	1,844	73.5	49	22.5	27,161	41.2
Unknown	171	0.6	397	1.3	65	2.1	23	1.2	1	0.9	36	1.4	111	50.9	804	1.2
<b>Total</b>	<b>26,884</b>		<b>31,265</b>		<b>3,040</b>		<b>1,905</b>		<b>110</b>		<b>2,508</b>		<b>218</b>		<b>65,930</b>	

**Maricopa County 2007 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	221	0.8	903	2.9	88	2.9	62	3.3	7	6.4	34	1.4	24	11.0	1,339	2.0
Second	24,117	89.7	22,737	72.7	2,370	78.0	1,289	67.7	82	74.5	2,235	89.1	131	60.1	52,961	80.3
Third	2,139	8.0	6,385	20.4	483	15.9	444	23.3	17	15.5	197	7.9	43	19.7	9,708	14.7
None	403	1.5	1,217	3.9	97	3.2	110	5.8	4	3.6	41	1.6	17	7.8	1,889	2.9
Unknown	4	0.0	23	0.1	2	0.1	0	0	0	0	1	0.0	3	1.4	33	0.1
<b>Total</b>	<b>26,884</b>		<b>31,265</b>		<b>3,040</b>		<b>1,905</b>		<b>110</b>		<b>2,508</b>		<b>218</b>		<b>65,930</b>	

**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	221	0.8	903	2.9	88	2.9	62	3.3	7	6.4	34	1.4	24	11.0	1,339	2.0
1 to 4	442	1.6	1,380	4.4	129	4.2	126	6.6	7	6.4	36	1.4	14	6.4	2,134	3.2
5 to 8	2,940	10.9	6,186	19.8	540	17.8	491	25.8	14	12.7	288	11.5	46	21.1	10,505	15.9
9 to 12	13,660	50.8	14,510	46.4	1,429	47.0	863	45.3	51	46.4	1,237	49.3	84	38.5	31,834	48.3
13 to 16	8,047	29.9	7,460	23.9	712	23.4	307	16.1	29	26.4	826	32.9	39	17.9	17,420	26.4
17 or More	1,568	5.8	802	2.6	140	4.6	55	2.9	2	1.8	86	3.4	8	3.7	2,661	4.0
Unknown	6	0.0	24	0.1	2	0.1	1	0.1	0	0	1	0.0	3	1.4	37	0.1
<b>Total</b>	<b>26,884</b>		<b>31,265</b>		<b>3,040</b>		<b>1,905</b>		<b>110</b>		<b>2,508</b>		<b>218</b>		<b>65,930</b>	

**Table 4.06 Adequacy of Prenatal Care by Race/Ethnicity of Mother Singleton Births Only (Excludes Twins and Other Multiple Births)**

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	9	0.0	29	0.1	2	0.1	1	0.1	0	0	1	0.0	3	1.4	45	0.1
Intermediate	1,797	6.9	5,847	19.1	455	15.6	431	23.0	23	20.9	162	6.6	70	32.7	8,785	13.7
Adequate	3,321	12.8	5,183	16.9	418	14.3	332	17.7	12	10.9	314	12.8	29	13.6	9,609	15.0
Adequate Plus	13,150	50.8	12,141	39.6	1,199	41.0	758	40.4	47	42.7	1,247	50.9	70	32.7	28,612	44.7
Information Missing	7,589	29.3	7,426	24.2	852	29.1	353	18.8	28	25.5	724	29.6	42	19.6	17,014	26.6
<b>Total</b>	<b>25,866</b>		<b>30,626</b>		<b>2,926</b>		<b>1,875</b>		<b>110</b>		<b>2,448</b>		<b>214</b>		<b>64,065</b>	

**Maricopa County 2007 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	284	1.1	392	1.3	84	2.8	23	1.2	2	1.8	29	1.2	4	1.8	818	1.2
1500-2499 Grams	1,621	6.0	1,639	5.2	310	10.2	98	5.1	7	6.4	167	6.7	9	4.1	3,851	5.8
2500-4249 Grams	24,099	89.6	28,247	90.3	2,586	85.1	1,699	89.2	99	90.0	2,266	90.4	194	89.0	59,190	89.8
>4249 Grams	876	3.3	984	3.1	60	2.0	85	4.5	2	1.8	46	1.8	11	5.0	2,064	3.1
Unknown	4	0.0	3	0.0	0	0	0	0	0	0	0	0	0	0	7	0.0
<b>Total</b>	<b>26,884</b>		<b>31,265</b>		<b>3,040</b>		<b>1,905</b>		<b>110</b>		<b>2,508</b>		<b>218</b>		<b>65,930</b>	

**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	2,877	10.7	3,144	10.1	468	15.4	223	11.7	14	12.7	246	9.8	19	8.7	6,991	10.6
≥37 Weeks Gestation	24,006	89.3	28,117	89.9	2,572	84.6	1,682	88.3	96	87.3	2,262	90.2	198	90.8	58,933	89.4
Unknown	1	0.0	4	0.0	0	0	0	0	0	0	0	0	1	0.5	6	0.0
<b>Total</b>	<b>26,884</b>		<b>31,265</b>		<b>3,040</b>		<b>1,905</b>		<b>110</b>		<b>2,508</b>		<b>218</b>		<b>65,930</b>	

**Maricopa County 2007 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	0	0	984	12.8	6,432	37.8	11,673	63.1	10,671	75.0	5,276	77.1	1,051	73.4	81	79.4	0	0	36,168	54.9
Single	119	100.0	6,700	87.0	10,443	61.4	6,639	35.9	3,425	24.1	1,479	21.6	358	25.0	19	18.6	3	100.0	29,185	44.3
Refused	0	0	10	0.1	98	0.6	155	0.8	109	0.8	59	0.9	21	1.5	1	1.0	0	0	453	0.7
Divorced	0	0	0	0	2	0.0	4	0.0	2	0.0	2	0.0	0	0	0	0	0	0	10	0.0
Unknown	0	0	3	0.0	22	0.1	40	0.2	24	0.2	23	0.3	1	0.1	1	1.0	0	0	114	0.2
<b>Total</b>	119		7,697		16,997		18,511		14,231		6,839		1,431		102		3		65,930	

**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 <sup>th</sup> Grade	2	1.7	75	1.0	282	1.7	342	1.8	245	1.7	158	2.3	46	3.2	4	3.9	1	33.3	1,155	1.8
6 <sup>th</sup> -11 <sup>th</sup> Grade	116	97.5	4,677	60.8	5,330	31.4	4,271	23.1	2,746	19.3	1,164	17.0	237	16.6	10	9.8	1	33.3	18,552	28.1
HS Diploma	0	0	2,412	31.3	6,498	38.2	4,997	27.0	2,800	19.7	1,248	18.2	289	20.2	13	12.7	1	33.3	18,258	27.7
College+	0	0	438	5.7	4,685	27.6	8,710	47.1	8,265	58.1	4,174	61.0	825	57.7	64	62.7	0	0	27,161	41.2
Unknown	1	0.8	95	1.2	202	1.2	191	1.0	175	1.2	95	1.4	34	2.4	11	10.8	0	0	804	1.2
<b>Total</b>	119		7,697		16,997		18,511		14,231		6,839		1,431		102		3		65,930	

**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	5	4.2	226	2.9	426	2.5	333	1.8	198	1.4	115	1.7	34	2.4	1	1.0	1	33.3	1,339	2.0
Second	60	50.4	5,146	66.9	12,897	75.9	15,338	82.9	12,326	86.6	5,904	86.3	1,204	84.1	85	83.3	1	33.3	52,961	80.3
Third	45	37.8	1,951	25.3	3,034	17.9	2,393	12.9	1,442	10.1	679	9.9	152	10.6	11	10.8	1	33.3	9,708	14.7
None	9	7.6	370	4.8	631	3.7	438	2.4	256	1.8	139	2.0	41	2.9	5	4.9	0	0	1,889	2.9
Unknown	0	0	4	0.1	9	0.1	9	0.0	9	0.1	2	0.0	0	0	0	0	0	0	33	0.1
<b>Total</b>	119		7,697		16,997		18,511		14,231		6,839		1,431		102		3		65,930	

**Maricopa County 2007 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.	%
<b>None</b>	5	4.2	226	2.9	426	2.5	333	1.8	198	1.4	115	1.7	34	2.4	1	1.0	1	33.3	1,339	2.0
<b>1 to 4</b>	11	9.2	403	5.2	700	4.1	530	2.9	302	2.1	139	2.0	45	3.1	4	3.9	0	0	2,134	3.2
<b>5 to 8</b>	37	31.1	1,735	22.5	3,140	18.5	2,666	14.4	1,807	12.7	892	13.0	217	15.2	11	10.8	0	0	10,505	15.9
<b>9 to 12</b>	39	32.8	3,611	46.9	8,164	48.0	9,017	48.7	7,042	49.5	3,256	47.6	665	46.5	40	39.2	0	0	31,834	48.3
<b>13 to 16</b>	23	19.3	1,538	20.0	4,048	23.8	5,252	28.4	4,161	29.2	2,009	29.4	366	25.6	21	20.6	2	66.7	17,420	26.4
<b>17 or More</b>	4	3.4	180	2.3	508	3.0	702	3.8	713	5.0	425	6.2	104	7.3	25	24.5	0	0	2,661	4.0
<b>Unknown</b>	0	0	4	0.1	11	0.1	11	0.1	8	0.1	3	0.0	0	0	0	0	0	0	37	0.1
<b>Total</b>	119		7,697		16,997		18,511		14,231		6,839		1,431		102		3		65,930	

**Table 4.13 Adequacy of Prenatal Care by Age Group of Mother  
Singleton Births Only (Excludes Twins and Other Multiple Births)**

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.	%
<b>Inadequate</b>	0	0	5	0.1	13	0.1	13	0.1	10	0.1	4	0.1	0	0	0	0	0	0	45	0.1
<b>Intermediate</b>	45	38.5	1,746	23.0	2,831	17.0	2,139	11.9	1,238	9.0	610	9.3	164	12.0	10	12.5	2	66.7	8,785	13.7
<b>Adequate</b>	22	18.8	1,282	16.9	2,684	16.1	2,606	14.5	1,889	13.8	914	14.0	206	15.1	6	7.5	0	0	9,609	15.0
<b>Adequate Plus</b>	27	23.1	2,923	38.4	7,166	43.1	8,421	46.8	6,517	47.5	2,969	45.4	561	41.0	27	33.8	1	33.3	28,612	44.7
<b>Information Missing</b>	23	19.7	1,650	21.7	3,943	23.7	4,816	26.8	4,071	29.7	2,038	31.2	436	31.9	37	46.3	0	0	17,014	26.6
<b>Total</b>	117		7,606		16,637		17,995		13,725		6,535		1,367		80		3		64,065	

**Maricopa County 2007 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	1	0.8	100	1.3	218	1.3	207	1.1	178	1.3	82	1.2	31	2.2	1	1.0	0	0	818	1.2
1500-2499 Grams	7	5.9	495	6.4	976	5.7	959	5.2	795	5.6	471	6.9	120	8.4	27	26.5	1	33.3	3,851	5.8
2500-4249 Grams	110	92.4	6,991	90.8	15,349	90.3	16,749	90.5	12,690	89.2	6,012	87.9	1,217	85.0	70	68.6	2	66.7	59,190	89.8
>4249 Grams	1	0.8	111	1.4	451	2.7	595	3.2	568	4.0	271	4.0	63	4.4	4	3.9	0	0	2,064	3.1
Unknown	0	0	0	0	3	0.0	1	0.0	0	0	3	0.0	0	0	0	0	0	0	7	0.0
<b>Total</b>	119		7,697		16,997		18,511		14,231		6,839		1,431		102		3		65,930	

**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	17	14.3	824	10.7	1,702	10.0	1,814	9.8	1,550	10.9	821	12.0	232	16.2	30	29.4	1	33.3	6,991	10.6
≥37 Weeks Gestation	102	85.7	6,872	89.3	15,293	90.0	16,696	90.2	12,681	89.1	6,017	88.0	1,198	83.7	72	70.6	2	66.7	58,933	89.4
Unknown	0	0	1	0.0	2	0.0	1	0.0	0	0	1	0.0	1	0.1	0	0	0	0	6	0.0
<b>Total</b>	119		7,697		16,997		18,511		14,231		6,839		1,431		102		3		65,930	

**Maricopa County 2007 Natality (Birth) Statistics**

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

		Maricopa County 2007		Arizona 2007	U.S. 2007/2006 <sup>1</sup>	Healthy People 2010 Goal
		Number of Individuals	Rate or Percent			
Unlinked Infant Mortality – Rate per 1,000 live births	Neo-natal	297	4.5	4.7	4.5	2.9
	Post-natal	120	1.8	2.2	2.3	1.2
	Total	417	6.3	6.8	6.7	4.5
Low birthweight births (< 2500g) – Percent of live births		4,669	7.00%	7.09%	8.2%	5.0%
Births to teen mothers – Percent of live births	10-14 Years Old	119	0.18%	0.17%	0.14%	-
	15-17 Years Old	2,664	4.04%	4.25%	3.26%	-
	15-19 Years Old	7,697	11.67%	12.46%	10.31%	-
	<u>Total</u> 10-19 Years Old	7,816	11.85%	12.63%	10.45%	-

1. Figures for infant mortality are final 2006 U.S. data. All other figures are preliminary 2007 U.S. data.

## 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, 2007, released August 7, 2008. This is at <http://www.census.gov/popest/counties/asrh/files/cc-est2007-alldata-04.csv>.

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.

<b>Table 5.1 Race/Ethnicity Categories Used in This Report</b>		
<b>Category Used in This Report</b>	<b>U.S. Census Code “Race”</b>	<b>U.S. Census Code “Origin”</b>
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. Only one condition, Sudden Infant Death Syndrome (SIDS) is calculated differently. By definition, SIDS deaths only occur in infants; as a result, these numbers are divided by the number of live births (rather than the standard 100,000 residents), to produce a rate per 1,000 live births.

All data on mortality statistics are from death certificates included in the Arizona Department of Health Services (ADHS) final annual files. The data presented in this report include 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.

During the course of routine data review, several deaths were identified as being in one county even though their city and ZIP codes indicated that they lived in a different county. For these discrepant cases, final classification in this report was based on the address of the resident. (The address is determined by reviewing the street address, city, county, and ZIP code). Therefore, the numbers presented in this report may not precisely match those presented by ADHS in other reports.

For both mortality and morbidity (communicable disease), rates for some racial/ethnic populations such as American Indians, Asians, and African Americans may be 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.

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."

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.

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, 10<sup>th</sup> 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.

**Table 5.2 ICD-10 Codes Used for This Report**

<b>Cause</b>	<b>ICD-10 Codes Used</b>
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
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	R00-R94, R96-R99

(Table Continues)

(Table 5.2, Continued)

Cause	ICD-10 Codes Used
SIDS)	
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-N15N20-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

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 causes of death (MCD) data supplied by ADHS with the final annual mortality files.

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. An age adjusted rate allows comparisons between different groups, even if one group has more older members than another. A high (unadjusted) death rate for residents of a certain town may be high *only* because that town has more elderly members, who are more likely to die than younger members. Age-adjusted rates allow comparisons between towns, ethnic groups, etc. by adjusting for how many older and younger members there are in the group. For example, the population pyramids at the beginning of this report show a greater percentage of White Non-Hispanics over the age 65 than Hispanics. This creates a much lower crude death rate for Hispanics compared to White Non-Hispanics. Age adjustment shows that White non-Hispanics still have a higher death rate, but the difference is not as extreme. 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](http://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.

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 cancer, ovarian cancer, and pregnancy death rates are calculated among women only. In all other tables, and for all other diseases, the total population is used for the denominator for these conditions.

Comparison death rates for Arizona, shown in Table **2.14**, can be found in *Arizona Health Status and Vital Statistics 2007*, published by the ADHS at <http://www.azdhs.gov/plan/report/ahs/ahs2007/toc07.htm>. Figures for the U.S. are preliminary 2006 data for the following categories: heart disease, cancers, cerebrovascular disease, unintentional injuries, pneumonia and influenza, diabetes, suicide, and all causes combined. The data were published in National Vital Statistics Reports, Vol 56, no 16, June 11, 2008. These data can be found at: [http://www.cdc.gov/nchs/data/nvsr/nvsr56/nvsr56\\_16.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr56/nvsr56_16.pdf). All other U.S. mortality data are final 2005 data from National Vital Statistics Reports, Vol 56, no. 12, April 24, 2008. These data are at [http://www.cdc.gov/nchs/data/nvsr/nvsr56/nvsr56\\_10.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr56/nvsr56_10.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](http://www.healthypeople.gov/Document/tableofcontents.htm).

### **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 data presented in this report include communicable diseases to residents of Maricopa County. 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. For Hansen's disease only, tables include residents from various counties in Arizona, regardless of where the disease was acquired. 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.

All data on communicable diseases are new cases of reportable diseases included in the ADHS final annual files. There are several exceptions: data on hepatitis C, genital herpes, gonorrhea, chlamydia, syphilis, and Hansen's disease are from MCDPH data files.

Data on hepatitis C, 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. The data for this report were acquired on the following dates.

- Hepatitis C data were acquired on December 15, 2008.
- Tuberculosis data were acquired on May 19, 2008
- STD data were acquired on May 21, 2008
- Syphilis data were acquired on May 20, 2008.
- HIV/AIDS data for Maricopa County residents were acquired on May 20, 2008.
- HIV/AIDS data for Arizona residents were acquired on March 10, 2009.

Morbidity data include only confirmed cases, with the exception of West Nile Virus, hepatitis B (acute), and Hansen's disease. West Nile Virus and hepatitis B data include confirmed and probable cases. Data for Hansen's disease includes confirmed, probable, and suspect cases diagnosed in Maricopa County (including diagnoses of non-county residents).

All communicable disease statistics in this report are new cases for each specified year (incidence). The exception is Hansen's disease for which the prevalence (all existing cases from all years) is shown. The figures presented for Hansen's disease may differ from previous years due to the addition of cases diagnosed in previous years but only recently available.

Data are classified by date of report with one exception. Morbidity data for hepatitis C 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.

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 previous Health Status Reports, hepatitis B data were also obtained from the MCDPH. This report uses hepatitis B data for confirmed and probable acute cases from ADHS. Comparison of hepatitis B cases in 2007 to previous years will show a decrease in the total number of cases. This decrease is most likely due to changes in the investigation of the disease and not due to a change in the communicability of the disease in Maricopa County.

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 2007*, <http://www.azdhs.gov/plan/report/ahs/ahs2007/toc07.htm>. The rates for HIV and AIDS for Arizona were provided directly from ADHS on March 10, 2009. All U.S. rates are for 2006 and may be found at <http://www.cdc.gov/mmwr/PDF/wk/mm5553.pdf>. Rates for HIV and AIDS cases are not available from the CDC for 2006 due to upgrades in the national surveillance data management system for HIV and AIDS. During this upgrading transition, CDC will not be updating HIV or AIDS infection surveillance data. Therefore, no U.S. rates are reported in this report. 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](http://www.healthypeople.gov/Document/tableofcontents.htm).

## **Nativity (Birth) Statistics**

Nativity (birth) statistics are shown in Tables **4.01** through **4.16**. The natality percentages for some groups such older and younger maternal age groups (under 15 and over 45) or certain racial/ethnic groups may be high compared to other groups. These groups have relatively small numbers of births in Maricopa County (as shown in Table **4.01**). 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 in addition to the rates.

All data on birth statistics are from birth certificates included in the Arizona Department of Health Services (ADHS) final annual files. The data presented in this report include births to mother's whose county of residence is Maricopa County. This may include births that did not occur in Maricopa County. Also included are some births that occurred outside of Arizona to mothers who reside in Arizona but the county and city of residence is unknown. National Center for Health Statistics rules state that if a birth does not occur in the state of residency and the county and city are unknown, the city of residency is assigned to the largest city in the state of residency. For Arizona, the largest city is Phoenix. For further explanation, please see <http://www.cdc.gov/nchs/data/dvs/3amanual.pdf>.

During the course of routine data review, several births were identified as being in one county even though their city and ZIP codes indicated that they lived in a different county. For these discrepant cases, final classification in this report was based on the address of the resident. (The address is determined by reviewing the street address, city, county, and ZIP code). Therefore, the numbers presented in this report may not precisely match those presented by ADHS in other reports.

Infant mortality statistics shown in Table **4.16** are from unlinked data or the number of infant deaths in a given year. The table shows comparisons to Arizona and the U.S. U.S. data are preliminary for 2007, from the National Center for Health Statistics. Infant mortality data for the U.S. can be found in *Deaths: Preliminary Data for 2006*, National Vital Statistic Reports Vol 56, no 16, June 11, 2008 at [http://www.cdc.gov/nchs/data/nvsr/nvsr56/nvsr56\\_16.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr56/nvsr56_16.pdf). U.S. Data for low birthweight births and births to teen mothers can be found in *Births: Preliminary Data for 2007*, National Vital Statistics Reports, Vol 57, no 12, March 18, 2009 at [http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57\\_12.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57_12.pdf). Arizona figures for 2007 can be found in *Arizona Health Status and Vital Statistics 2007*, published by the ADHS at <http://www.azdhs.gov/plan/report/ahs/ahs2007/toc07.htm>. An explanation of unlinked infant mortality data is presented below.

Adequate prenatal care is based on the Adequacy of Prenatal Care Utilization Index (APCUI)<sup>1</sup>. 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 (single infant) 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

---

<sup>1</sup> 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.

The following definitions related to reproductive health have been established by National Center for Health Statistics<sup>2</sup>:

- Birth or Live Birth<sup>3</sup> – 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 37<sup>th</sup> week (259<sup>th</sup> 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).
- 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

---

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

<sup>3</sup> The Arizona statute defining a live birth follows this definition.

listed as a comparison to the heart disease rate.

- Second, the HP 2010 goals use ICD-9 codes while the Maricopa County 2007 data use ICD-10 codes. Therefore, they may or may not be comparable. For this reason, only select HP 2010 goals are presented here for comparison. A 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. 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](http://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/](http://www.maricopa.gov/Public_Health/)
- Arizona Department of Health Services: [www.hs.state.az.us](http://www.hs.state.az.us)
- Centers for Disease Control and Prevention, National Center for Health Statistics: [www.cdc.gov/nchs](http://www.cdc.gov/nchs)
- Department of Economic Security: <https://www.azdes.gov/aspnew/default.asp>