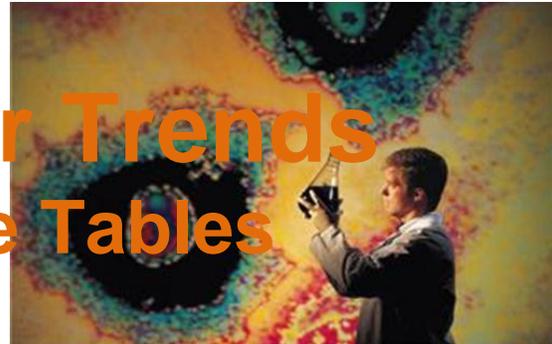


# Maricopa County Health Status Report 2007-2011



## Five Year Trends Reference Tables



Prepared by the Maricopa County Department of Public Health  
Office of Epidemiology  
May 2013  
Maricopa County

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# Maricopa County Health Status Report 2007-2011

## Five Year Trends: Reference Tables

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## Five Year Trends: Reference Tables

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## Introduction

This report provides health status information for the years 2007 to 2011 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
  - Mortality Disease Example: 5,648 residents of Maricopa County died due to cancer in 2011.\*
  - Communicable Disease Example: 698 residents of Maricopa County were diagnosed with a confirmed or probable case of Pertussis in 2011.
  - Natality (Birth) Example: There were 658 infants born with a very low birthweight (less than 1500 grams) in 2011.
  
- Rate or percentage of cases in the county
  - Mortality Disease Example: For every 100,000 residents of Maricopa County, 145.6 died due to cancer in 2011.\*
  - Communicable Disease Example: For every 100,000 residents of Maricopa County, 18.0 were diagnosed with Pertussis in 2011.
  - Natality (Birth) Example: Among all live births in 2011, 1.2% were born with a very low birthweight.

All data in this report are for calendar years 2007 through 2011.  
Information on data sources and methodology are in Section III – Technical Notes.

\*Except where noted, the cause of death is the underlying cause of death, which is the condition that began the sequence of death. See Technical Notes for more information on the underlying cause of death.

***I. Maricopa County Population Statistics  
2007-2011 Tables***

## Maricopa County Population Statistics

### Table 1.01 Population By Race/Ethnicity, Age, and Sex, 2011

#### Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	142,451	7.4%	136,523	7.0%	278,974	7.2%
5-9	143,852	7.5%	138,011	7.0%	281,863	7.3%
10-14	143,262	7.5%	137,444	7.0%	280,706	7.2%
15-19	140,056	7.3%	131,119	6.7%	271,175	7.0%
20-24	143,255	7.5%	135,231	6.9%	278,486	7.2%
25-34	279,501	14.6%	272,190	13.9%	551,691	14.2%
35-44	263,992	13.7%	262,571	13.4%	526,563	13.6%
45-54	251,053	13.1%	257,937	13.2%	508,990	13.1%
55-64	197,641	10.3%	220,140	11.2%	417,781	10.8%
65-74	125,418	6.5%	143,259	7.3%	268,677	6.9%
75-84	67,775	3.5%	84,888	4.3%	152,663	3.9%
85+	22,519	1.2%	40,156	2.0%	62,675	1.6%
Total	1,920,775		1,959,469		3,880,244	

#### Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,110,778	57.8%	1,149,908	58.7%
Hispanic	586,430	30.5%	576,166	29.4%
African American	92,624	4.8%	89,947	4.6%
American Indian	29,085	1.5%	33,061	1.7%
Asian	67,035	3.5%	74,588	3.8%
Multiple Races	34,823	1.8%	35,799	1.8%
Total	1,920,775		1,959,469	

#### Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	111,113	4.9%	127,594	11.0%	14,020	7.7%	5,306	8.5%	9,500	6.7%	11,441	16.2%	278,974
5-9	118,491	5.2%	124,219	10.7%	14,102	7.7%	5,177	8.3%	9,740	6.9%	10,134	14.3%	281,863
10-14	124,660	5.5%	118,461	10.2%	14,584	8.0%	5,039	8.1%	8,955	6.3%	9,007	12.8%	280,706
15-19	123,068	5.4%	111,539	9.6%	15,642	8.6%	5,192	8.4%	8,241	5.8%	7,493	10.6%	271,175
20-24	137,437	6.1%	102,888	8.8%	16,190	8.9%	6,916	11.1%	9,155	6.5%	5,900	8.4%	278,486
25-34	287,341	12.7%	188,642	16.2%	28,149	15.4%	11,533	18.6%	26,403	18.6%	9,623	13.6%	551,691
35-44	293,572	13.0%	164,554	14.2%	26,241	14.4%	8,640	13.9%	26,826	18.9%	6,730	9.5%	526,563
45-54	339,296	15.0%	114,454	9.8%	24,444	13.4%	7,330	11.8%	18,624	13.2%	4,842	6.9%	508,990
55-64	317,568	14.0%	63,234	5.4%	16,537	9.1%	4,302	6.9%	13,092	9.2%	3,048	4.3%	417,781
65-74	220,374	9.7%	29,777	2.6%	7,960	4.4%	1,852	3.0%	7,185	5.1%	1,529	2.2%	268,677
75-84	131,383	5.8%	13,307	1.1%	3,594	2.0%	639	1.0%	3,070	2.2%	670	0.9%	152,663
85+	56,383	2.5%	3,927	0.3%	1,108	0.6%	220	0.4%	832	0.6%	205	0.3%	62,675
Total	2,260,686		1,162,596		182,571		62,146		141,623		70,622		3,880,244

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2011.

## Maricopa County Population Statistics

**Table 1.02 Population Estimates by Sex, Age, and Race/Ethnicity, 2011**

Females Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	54,302	4.7%	62,414	10.8%	6,785	7.5%	2,703	8.2%	4,687	6.3%	5,632	15.7%	136,523
5-9	57,737	5.0%	61,058	10.6%	6,827	7.6%	2,550	7.7%	4,888	6.6%	4,951	13.8%	138,011
10-14	60,813	5.3%	58,081	10.1%	7,114	7.9%	2,527	7.6%	4,516	6.1%	4,393	12.3%	137,444
15-19	59,149	5.1%	54,126	9.4%	7,517	8.4%	2,573	7.8%	4,023	5.4%	3,731	10.4%	131,119
20-24	67,165	5.8%	49,578	8.6%	7,573	8.4%	3,587	10.8%	4,293	5.8%	3,035	8.5%	135,231
25-29	72,307	6.3%	45,954	8.0%	6,958	7.7%	3,217	9.7%	6,424	8.6%	2,691	7.5%	137,551
30-34	69,449	6.0%	45,971	8.0%	6,667	7.4%	2,972	9.0%	7,240	9.7%	2,340	6.5%	134,639
35-39	67,668	5.9%	44,174	7.7%	6,449	7.2%	2,485	7.5%	7,559	10.1%	1,894	5.3%	130,229
40-44	77,029	6.7%	38,398	6.7%	6,331	7.0%	2,227	6.7%	6,743	9.0%	1,614	4.5%	132,342
45-49	83,327	7.2%	31,673	5.5%	6,157	6.8%	2,276	6.9%	5,398	7.2%	1,352	3.8%	130,183
50-54	88,567	7.7%	25,469	4.4%	5,998	6.7%	1,873	5.7%	4,687	6.3%	1,160	3.2%	127,754
55-59	83,257	7.2%	18,824	3.3%	4,621	5.1%	1,360	4.1%	4,167	5.6%	926	2.6%	113,155
60-64	83,830	7.3%	14,008	2.4%	3,752	4.2%	1,096	3.3%	3,560	4.8%	739	2.1%	106,985
65-69	65,997	5.7%	9,636	1.7%	2,483	2.8%	627	1.9%	2,438	3.3%	504	1.4%	81,685
70-74	50,722	4.4%	6,554	1.1%	1,863	2.1%	457	1.4%	1,639	2.2%	339	0.9%	61,574
75+	108,589	9.4%	10,248	1.8%	2,852	3.2%	531	1.6%	2,326	3.1%	498	1.4%	125,044
<b>Total</b>	<b>1,149,908</b>		<b>576,166</b>		<b>89,947</b>		<b>33,061</b>		<b>74,588</b>		<b>35,799</b>		<b>1,959,469</b>
<b>Males</b>													
0-4	56,811	5.1%	65,180	11.1%	7,235	7.8%	2,603	8.9%	4,813	7.2%	5,809	16.7%	142,451
5-9	60,754	5.5%	63,161	10.8%	7,275	7.9%	2,627	9.0%	4,852	7.2%	5,183	14.9%	143,852
10-14	63,847	5.7%	60,380	10.3%	7,470	8.1%	2,512	8.6%	4,439	6.6%	4,614	13.2%	143,262
15-19	63,919	5.8%	57,413	9.8%	8,125	8.8%	2,619	9.0%	4,218	6.3%	3,762	10.8%	140,056
20-24	70,272	6.3%	53,310	9.1%	8,617	9.3%	3,329	11.4%	4,862	7.3%	2,865	8.2%	143,255
25-29	74,450	6.7%	49,081	8.4%	7,403	8.0%	2,881	9.9%	6,363	9.5%	2,427	7.0%	142,605
30-34	71,135	6.4%	47,636	8.1%	7,121	7.7%	2,463	8.5%	6,376	9.5%	2,165	6.2%	136,896
35-39	69,423	6.2%	43,271	7.4%	6,761	7.3%	2,088	7.2%	6,628	9.9%	1,734	5.0%	129,905
40-44	79,452	7.2%	38,711	6.6%	6,700	7.2%	1,840	6.3%	5,896	8.8%	1,488	4.3%	134,087
45-49	82,339	7.4%	32,529	5.5%	6,407	6.9%	1,664	5.7%	4,671	7.0%	1,227	3.5%	128,837
50-54	85,063	7.7%	24,783	4.2%	5,882	6.4%	1,517	5.2%	3,868	5.8%	1,103	3.2%	122,216
55-59	75,994	6.8%	17,497	3.0%	4,616	5.0%	1,041	3.6%	3,003	4.5%	801	2.3%	102,952
60-64	74,487	6.7%	12,905	2.2%	3,548	3.8%	805	2.8%	2,362	3.5%	582	1.7%	94,689
65-69	58,780	5.3%	8,273	1.4%	2,142	2.3%	453	1.6%	1,761	2.6%	403	1.2%	71,812
70-74	44,875	4.0%	5,314	0.9%	1,472	1.6%	315	1.1%	1,347	2.0%	283	0.8%	53,606
75+	79,177	7.1%	6,986	1.2%	1,850	2.0%	328	1.1%	1,576	2.4%	377	1.1%	90,294
<b>Total</b>	<b>1,110,778</b>		<b>586,430</b>		<b>92,624</b>		<b>29,085</b>		<b>67,035</b>		<b>34,823</b>		<b>1,920,775</b>

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2011.

## Maricopa County Population Statistics

### Table 1.03 Population By Race/Ethnicity, Age, and Sex, 2010

#### Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	144,268	7.6%	138,502	7.2%	282,770	7.4%
5-9	144,340	7.6%	138,369	7.2%	282,709	7.4%
10-14	141,354	7.5%	135,874	7.0%	277,228	7.3%
15-19	142,552	7.5%	134,347	7.0%	276,899	7.3%
20-24	137,531	7.3%	129,341	6.7%	266,872	7.0%
25-34	273,147	14.5%	267,979	13.9%	541,126	14.2%
35-44	263,493	14.0%	261,105	13.5%	524,598	13.7%
45-54	248,168	13.1%	255,797	13.3%	503,965	13.2%
55-64	188,576	10.0%	209,733	10.9%	398,309	10.4%
65-74	118,994	6.3%	136,394	7.1%	255,388	6.7%
75-84	65,158	3.5%	83,041	4.3%	148,199	3.9%
85+	20,884	1.1%	38,170	2.0%	59,054	1.5%
<b>Total</b>	<b>1,888,465</b>		<b>1,928,652</b>		<b>3,817,117</b>	

#### Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,100,779	58.3%	1,139,276	59.1%
Hispanic	568,138	30.1%	560,603	29.1%
African American	90,346	4.8%	87,144	4.5%
American Indian	27,632	1.5%	31,620	1.6%
Asian	63,813	3.4%	71,211	3.7%
Multiple Races	34,999	1.9%	36,048	1.9%
Other	2,758	0.1%	2,750	0.1%
<b>Total</b>	<b>1,888,465</b>		<b>1,928,652</b>	

#### Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Other		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	113,519	5.1%	128,894	11.4%	13,966	7.9%	5,126	8.7%	9,358	6.9%	11,301	15.9%	606	11.0%	282,770
5-9	119,850	5.4%	123,906	11.0%	13,806	7.8%	4,906	8.3%	9,519	7.0%	10,164	14.3%	558	10.1%	282,709
10-14	124,435	5.6%	115,414	10.2%	14,510	8.2%	4,764	8.0%	8,643	6.4%	8,915	12.5%	547	9.9%	277,228
15-19	129,055	5.8%	110,053	9.8%	16,103	9.1%	5,460	9.2%	8,137	6.0%	7,561	10.6%	530	9.6%	276,899
20-24	134,058	6.0%	96,394	8.5%	14,877	8.4%	6,414	10.8%	8,950	6.6%	5,754	8.1%	425	7.7%	266,872
25-34	281,757	12.6%	185,230	16.4%	27,278	15.4%	10,926	18.4%	25,372	18.8%	9,708	13.7%	855	15.5%	541,126
35-44	297,869	13.3%	159,349	14.1%	25,922	14.6%	8,376	14.1%	25,489	18.9%	6,876	9.7%	717	13.0%	524,598
45-54	341,517	15.2%	108,003	9.6%	24,023	13.5%	6,929	11.7%	17,733	13.1%	5,112	7.2%	648	11.8%	503,965
55-64	305,537	13.6%	58,292	5.2%	15,195	8.6%	3,872	6.5%	11,970	8.9%	3,073	4.3%	370	6.7%	398,309
65-74	210,666	9.4%	27,316	2.4%	7,478	4.2%	1,705	2.9%	6,437	4.8%	1,613	2.3%	173	3.1%	255,388
75-84	128,420	5.7%	12,408	1.1%	3,277	1.8%	587	1.0%	2,714	2.0%	741	1.0%	52	0.9%	148,199
85+	53,372	2.4%	3,482	0.3%	1,055	0.6%	187	0.3%	702	0.5%	229	0.3%	27	0.5%	59,054
<b>Total</b>	<b>2,240,055</b>		<b>1,128,741</b>		<b>177,490</b>		<b>59,252</b>		<b>135,024</b>		<b>71,047</b>		<b>5,508</b>		<b>3,817,117</b>

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2010.

## Maricopa County Population Statistics

### Table 1.04 Population Estimates by Sex, Age, and Race/Ethnicity, 2010

Females Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Other		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	55,588	4.9%	63,141	11.3%	6,773	7.8%	2,600	8.2%	4,580	6.4%	5,524	15.3%	296	10.8%	138,502
5-9	58,331	5.1%	60,829	10.9%	6,653	7.6%	2,425	7.7%	4,825	6.8%	5,011	13.9%	295	10.7%	138,369
10-14	60,748	5.3%	56,647	10.1%	7,074	8.1%	2,399	7.6%	4,371	6.1%	4,380	12.2%	255	9.3%	135,874
15-19	62,294	5.5%	53,754	9.6%	7,665	8.8%	2,709	8.6%	3,884	5.5%	3,782	10.5%	259	9.4%	134,347
20-24	65,022	5.7%	46,734	8.3%	6,868	7.9%	3,360	10.6%	4,199	5.9%	2,947	8.2%	211	7.7%	129,341
25-29	71,723	6.3%	45,602	8.1%	6,924	7.9%	3,144	9.9%	6,429	9.0%	2,720	7.5%	213	7.7%	136,755
30-34	67,359	5.9%	45,371	8.1%	6,285	7.2%	2,782	8.8%	6,898	9.7%	2,345	6.5%	184	6.7%	131,224
35-39	71,229	6.3%	43,222	7.7%	6,403	7.3%	2,430	7.7%	7,377	10.4%	2,005	5.6%	204	7.4%	132,870
40-44	75,411	6.6%	36,556	6.5%	6,182	7.1%	2,164	6.8%	6,172	8.7%	1,590	4.4%	160	5.8%	128,235
45-49	86,148	7.6%	30,452	5.4%	6,236	7.2%	2,140	6.8%	5,152	7.2%	1,467	4.1%	185	6.7%	131,780
50-54	87,071	7.6%	23,684	4.2%	5,670	6.5%	1,777	5.6%	4,500	6.3%	1,175	3.3%	140	5.1%	124,017
55-59	81,486	7.2%	17,429	3.1%	4,358	5.0%	1,250	4.0%	3,868	5.4%	913	2.5%	117	4.3%	109,421
60-64	79,176	6.9%	12,769	2.3%	3,316	3.8%	950	3.0%	3,263	4.6%	754	2.1%	84	3.1%	100,312
65-69	63,514	5.6%	8,809	1.6%	2,377	2.7%	593	1.9%	2,101	3.0%	524	1.5%	60	2.2%	77,978
70-74	48,261	4.2%	6,134	1.1%	1,700	2.0%	409	1.3%	1,516	2.1%	356	1.0%	40	1.5%	58,416
75+	105,915	9.3%	9,470	1.7%	2,660	3.1%	488	1.5%	2,076	2.9%	555	1.5%	47	1.7%	121,211
Total	1,139,276		560,603		87,144		31,620		71,211		36,048		2,750		1,928,652
<b>Males</b>															
0-4	57,931	5.3%	65,753	11.6%	7,193	8.0%	2,526	9.1%	4,778	7.5%	5,777	16.5%	310	11.2%	144,268
5-9	61,519	5.6%	63,077	11.1%	7,153	7.9%	2,481	9.0%	4,694	7.4%	5,153	14.7%	263	9.5%	144,340
10-14	63,687	5.8%	58,767	10.3%	7,436	8.2%	2,365	8.6%	4,272	6.7%	4,535	13.0%	292	10.6%	141,354
15-19	66,761	6.1%	56,299	9.9%	8,438	9.3%	2,751	10.0%	4,253	6.7%	3,779	10.8%	271	9.8%	142,552
20-24	69,036	6.3%	49,660	8.7%	8,009	8.9%	3,054	11.1%	4,751	7.4%	2,807	8.0%	214	7.8%	137,531
25-29	73,634	6.7%	47,680	8.4%	7,217	8.0%	2,717	9.8%	5,988	9.4%	2,482	7.1%	231	8.4%	139,949
30-34	69,041	6.3%	46,577	8.2%	6,852	7.6%	2,283	8.3%	6,057	9.5%	2,161	6.2%	227	8.2%	133,198
35-39	73,438	6.7%	42,225	7.4%	6,806	7.5%	2,058	7.4%	6,553	10.3%	1,837	5.2%	182	6.6%	133,099
40-44	77,791	7.1%	37,346	6.6%	6,531	7.2%	1,724	6.2%	5,387	8.4%	1,444	4.1%	171	6.2%	130,394
45-49	84,886	7.7%	30,840	5.4%	6,401	7.1%	1,615	5.8%	4,455	7.0%	1,364	3.9%	165	6.0%	129,726
50-54	83,412	7.6%	23,027	4.1%	5,716	6.3%	1,397	5.1%	3,626	5.7%	1,106	3.2%	158	5.7%	118,442
55-59	73,897	6.7%	16,296	2.9%	4,303	4.8%	931	3.4%	2,732	4.3%	791	2.3%	90	3.3%	99,040
60-64	70,978	6.4%	11,798	2.1%	3,218	3.6%	741	2.7%	2,107	3.3%	615	1.8%	79	2.9%	89,536
65-69	56,188	5.1%	7,512	1.3%	2,019	2.2%	435	1.6%	1,577	2.5%	418	1.2%	48	1.7%	68,197
70-74	42,703	3.9%	4,861	0.9%	1,382	1.5%	268	1.0%	1,243	1.9%	315	0.9%	25	0.9%	50,797
75+	75,877	6.9%	6,420	1.1%	1,672	1.9%	286	1.0%	1,340	2.1%	415	1.2%	32	1.2%	86,042
Total	1,100,779		568,138		90,346		27,632		63,813		34,999		2,758		1,888,465

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2010.

**Maricopa County Population Statistics**  
**Table 1.05 Population By Race/Ethnicity, Age, and Sex, 2009**

**Age by Sex**

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	147,638	7.8%	142,214	7.4%	289,852	7.6%
5-9	143,775	7.6%	136,857	7.1%	280,632	7.4%
10-14	141,063	7.5%	135,430	7.1%	276,493	7.3%
15-19	142,479	7.6%	134,174	7.0%	276,653	7.3%
20-24	137,456	7.3%	128,862	6.7%	266,318	7.0%
25-34	277,454	14.7%	271,174	14.1%	548,628	14.4%
35-44	265,931	14.1%	262,730	13.7%	528,661	13.9%
45-54	245,842	13.0%	252,996	13.2%	498,838	13.1%
55-64	182,725	9.7%	203,618	10.6%	386,343	10.2%
65-74	114,980	6.1%	131,980	6.9%	246,960	6.5%
75-84	64,368	3.4%	82,762	4.3%	147,130	3.9%
85+	20,183	1.1%	37,088	1.9%	57,271	1.5%
Total	1,883,894		1,919,885		3,803,779	

**Race/Ethnicity by Sex**

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,106,864	58.8%	1,145,362	59.7%
Hispanic	563,807	29.9%	552,811	28.8%
African American	89,612	4.8%	86,280	4.5%
American Indian	28,066	1.5%	31,875	1.7%
Asian	63,305	3.4%	70,351	3.7%
Multiple Races	32,240	1.7%	33,206	1.7%
Total	1,883,894		1,919,885	

**Age by Race/Ethnicity**

Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	117,321	5.2%	132,011	11.8%	14,526	8.3%	5,444	9.1%	9,605	7.2%	10,945	16.7%	289,852
5-9	121,174	5.4%	122,184	10.9%	13,545	7.7%	4,978	8.3%	9,299	7.0%	9,452	14.4%	280,632
10-14	126,586	5.6%	113,674	10.2%	14,628	8.3%	4,712	7.9%	8,574	6.4%	8,319	12.7%	276,493
15-19	131,464	5.8%	108,163	9.7%	16,247	9.2%	5,675	9.5%	8,016	6.0%	7,088	10.8%	276,653
20-24	135,807	6.0%	95,332	8.5%	14,623	8.3%	6,568	11.0%	8,827	6.6%	5,161	7.9%	266,318
25-34	287,389	12.8%	188,082	16.8%	27,162	15.4%	11,111	18.5%	25,968	19.4%	8,916	13.6%	548,628
35-44	306,218	13.6%	156,634	14.0%	26,018	14.8%	8,516	14.2%	25,110	18.8%	6,165	9.4%	528,661
45-54	342,673	15.2%	104,083	9.3%	23,349	13.3%	6,815	11.4%	17,306	12.9%	4,612	7.0%	498,838
55-64	298,436	13.3%	55,381	5.0%	14,581	8.3%	3,759	6.3%	11,534	8.6%	2,652	4.1%	386,343
65-74	204,911	9.1%	25,914	2.3%	7,018	4.0%	1,603	2.7%	6,164	4.6%	1,350	2.1%	246,960
75-84	128,335	5.7%	11,840	1.1%	3,187	1.8%	584	1.0%	2,580	1.9%	604	0.9%	147,130
85+	51,912	2.3%	3,320	0.3%	1,008	0.6%	176	0.3%	673	0.5%	182	0.3%	57,271
Total	2,252,226		1,116,618		175,892		59,941		133,656		65,446		3,803,779

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2009.

## Maricopa County Population Statistics

### Table 1.06 Population By Race/Ethnicity, Age, and Gender, 2009

Females Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	57,509	5.0%	64,749	11.7%	7,117	8.2%	2,755	8.6%	4,704	6.7%	5,380	16.2%	142,214
5-9	58,945	5.1%	59,707	10.8%	6,398	7.4%	2,468	7.7%	4,753	6.8%	4,586	13.8%	136,857
10-14	61,673	5.4%	55,800	10.1%	7,195	8.3%	2,360	7.4%	4,287	6.1%	4,115	12.4%	135,430
15-19	63,614	5.6%	52,690	9.5%	7,690	8.9%	2,810	8.8%	3,813	5.4%	3,557	10.7%	134,174
20-24	66,009	5.8%	45,886	8.3%	6,704	7.8%	3,421	10.7%	4,234	6.0%	2,608	7.9%	128,862
25-29	74,743	6.5%	46,614	8.4%	6,941	8.0%	3,209	10.1%	6,594	9.4%	2,605	7.8%	140,706
30-34	66,983	5.8%	45,291	8.2%	6,263	7.3%	2,809	8.8%	7,007	10.0%	2,115	6.4%	130,468
35-39	74,309	6.5%	42,445	7.7%	6,487	7.5%	2,415	7.6%	7,361	10.5%	1,770	5.3%	134,787
40-44	76,588	6.7%	35,580	6.4%	6,194	7.2%	2,223	7.0%	5,921	8.4%	1,437	4.3%	127,943
45-49	87,263	7.6%	29,515	5.3%	6,176	7.2%	2,147	6.7%	4,996	7.1%	1,329	4.0%	131,426
50-54	86,464	7.5%	22,563	4.1%	5,378	6.2%	1,705	5.3%	4,406	6.3%	1,054	3.2%	121,570
55-59	81,055	7.1%	16,728	3.0%	4,238	4.9%	1,238	3.9%	3,802	5.4%	815	2.5%	107,876
60-64	76,001	6.6%	12,001	2.2%	3,124	3.6%	907	2.8%	3,069	4.4%	640	1.9%	95,742
65-69	61,505	5.4%	8,332	1.5%	2,246	2.6%	543	1.7%	1,973	2.8%	432	1.3%	75,031
70-74	47,397	4.1%	5,866	1.1%	1,543	1.8%	388	1.2%	1,452	2.1%	303	0.9%	56,949
75+	105,304	9.2%	9,044	1.6%	2,586	3.0%	477	1.5%	1,979	2.8%	460	1.4%	119,850
<b>Total</b>	<b>1,145,362</b>		<b>552,811</b>		<b>86,280</b>		<b>31,875</b>		<b>70,351</b>		<b>33,206</b>		<b>1,919,885</b>
<b>Males</b>													
0-4	59,812	5.4%	67,262	11.9%	7,409	8.3%	2,689	9.6%	4,901	7.7%	5,565	17.3%	147,638
5-9	62,229	5.6%	62,477	11.1%	7,147	8.0%	2,510	8.9%	4,546	7.2%	4,866	15.1%	143,775
10-14	64,913	5.9%	57,874	10.3%	7,433	8.3%	2,352	8.4%	4,287	6.8%	4,204	13.0%	141,063
15-19	67,850	6.1%	55,473	9.8%	8,557	9.5%	2,865	10.2%	4,203	6.6%	3,531	11.0%	142,479
20-24	69,798	6.3%	49,446	8.8%	7,919	8.8%	3,147	11.2%	4,593	7.3%	2,553	7.9%	137,456
25-29	76,212	6.9%	49,137	8.7%	7,349	8.2%	2,832	10.1%	6,119	9.7%	2,297	7.1%	143,946
30-34	69,451	6.3%	47,040	8.3%	6,609	7.4%	2,261	8.1%	6,248	9.9%	1,899	5.9%	133,508
35-39	76,915	6.9%	41,865	7.4%	7,033	7.8%	2,095	7.5%	6,606	10.4%	1,691	5.2%	136,205
40-44	78,406	7.1%	36,744	6.5%	6,304	7.0%	1,783	6.4%	5,222	8.2%	1,267	3.9%	129,726
45-49	86,343	7.8%	30,013	5.3%	6,425	7.2%	1,589	5.7%	4,350	6.9%	1,255	3.9%	129,975
50-54	82,603	7.5%	21,992	3.9%	5,370	6.0%	1,374	4.9%	3,554	5.6%	974	3.0%	115,867
55-59	72,942	6.6%	15,587	2.8%	4,166	4.6%	953	3.4%	2,656	4.2%	694	2.2%	96,998
60-64	68,438	6.2%	11,065	2.0%	3,053	3.4%	661	2.4%	2,007	3.2%	503	1.6%	85,727
65-69	54,129	4.9%	7,095	1.3%	1,877	2.1%	428	1.5%	1,561	2.5%	348	1.1%	65,438
70-74	41,880	3.8%	4,621	0.8%	1,352	1.5%	244	0.9%	1,178	1.9%	267	0.8%	49,542
75+	74,943	6.8%	6,116	1.1%	1,609	1.8%	283	1.0%	1,274	2.0%	326	1.0%	84,551
<b>Total</b>	<b>1,106,864</b>		<b>563,807</b>		<b>89,612</b>		<b>28,066</b>		<b>63,305</b>		<b>32,240</b>		<b>1,883,894</b>

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2009.

**Maricopa County Population Statistics**  
**Table 1.07 Population By Race/Ethnicity, Age, and Sex, 2008**

**Age by Sex**

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	152,446	8.1%	146,565	7.7%	299,011	7.9%
5-9	141,742	7.6%	135,248	7.1%	276,990	7.3%
10-14	140,067	7.5%	134,099	7.1%	274,166	7.3%
15-19	141,481	7.6%	131,794	6.9%	273,275	7.2%
20-24	137,204	7.3%	127,975	6.7%	265,179	7.0%
25-34	280,134	15.0%	271,878	14.3%	552,012	14.6%
35-44	267,884	14.3%	263,316	13.9%	531,200	14.1%
45-54	240,845	12.9%	248,318	13.1%	489,163	13.0%
55-64	176,874	9.5%	196,542	10.3%	373,416	9.9%
65-74	109,121	5.8%	126,410	6.7%	235,531	6.2%
75-84	64,037	3.4%	82,580	4.3%	146,617	3.9%
85+	19,149	1.0%	35,352	1.9%	54,501	1.4%
Total	1,870,984		1,900,077		3,771,061	

**Race/Ethnicity by Sex**

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,107,529	59.2%	1,145,461	60.3%
Hispanic	557,252	29.8%	540,877	28.5%
African American	86,101	4.6%	82,731	4.4%
American Indian	28,247	1.5%	31,809	1.7%
Asian	61,100	3.3%	67,566	3.6%
Multiple Races	30,755	1.6%	31,633	1.7%
Total	1,870,984		1,900,077	

**Age by Race/Ethnicity**

Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	121,442	5.4%	136,521	12.4%	14,487	8.6%	5,935	9.9%	9,887	7.7%	10,739	17.2%	299,011
5-9	122,318	5.4%	119,458	10.9%	12,967	7.7%	4,713	7.8%	8,599	6.7%	8,935	14.3%	276,990
10-14	127,970	5.7%	110,916	10.1%	14,243	8.4%	4,770	7.9%	8,237	6.4%	8,030	12.9%	274,166
15-19	132,768	5.9%	105,259	9.6%	15,438	9.1%	5,807	9.7%	7,552	5.9%	6,451	10.3%	273,275
20-24	136,244	6.0%	94,754	8.6%	13,981	8.3%	6,577	11.0%	8,565	6.7%	5,058	8.1%	265,179
25-34	289,980	12.9%	190,204	17.3%	25,936	15.4%	11,298	18.8%	26,139	20.3%	8,455	13.6%	552,012
35-44	314,846	14.0%	152,672	13.9%	25,454	15.1%	8,501	14.2%	23,834	18.5%	5,893	9.4%	531,200
45-54	341,293	15.1%	98,354	9.0%	22,173	13.1%	6,651	11.1%	16,338	12.7%	4,354	7.0%	489,163
55-64	291,295	12.9%	51,765	4.7%	13,533	8.0%	3,532	5.9%	10,831	8.4%	2,460	3.9%	373,416
65-74	196,187	8.7%	24,104	2.2%	6,719	4.0%	1,522	2.5%	5,715	4.4%	1,284	2.1%	235,531
75-84	128,996	5.7%	11,121	1.0%	2,989	1.8%	588	1.0%	2,355	1.8%	568	0.9%	146,617
85+	49,651	2.2%	3,001	0.3%	912	0.5%	162	0.3%	614	0.5%	161	0.3%	54,501
Total	2,252,990		1,098,129		168,832		60,056		128,666		62,388		3,771,061

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2008.

## Maricopa County Population Statistics

### Table 1.08 Population By Race/Ethnicity, Age, and Gender, 2008

Females Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	59,569	5.2%	66,797	12.3%	7,071	8.5%	3,011	9.5%	4,865	7.2%	5,252	16.6%	146,565
5-9	59,371	5.2%	58,649	10.8%	6,234	7.5%	2,309	7.3%	4,392	6.5%	4,293	13.6%	135,248
10-14	62,342	5.4%	54,302	10.0%	6,976	8.4%	2,394	7.5%	4,058	6.0%	4,027	12.7%	134,099
15-19	64,157	5.6%	50,708	9.4%	7,271	8.8%	2,850	9.0%	3,587	5.3%	3,221	10.2%	131,794
20-24	66,374	5.8%	45,086	8.3%	6,342	7.7%	3,420	10.8%	4,193	6.2%	2,560	8.1%	127,975
25-29	77,231	6.7%	47,336	8.8%	6,636	8.0%	3,237	10.2%	6,505	9.6%	2,493	7.9%	143,438
30-34	65,787	5.7%	44,817	8.3%	5,948	7.2%	2,825	8.9%	7,079	10.5%	1,984	6.3%	128,440
35-39	76,375	6.7%	40,968	7.6%	6,396	7.7%	2,419	7.6%	7,062	10.5%	1,655	5.2%	134,875
40-44	78,686	6.9%	34,641	6.4%	5,986	7.2%	2,218	7.0%	5,530	8.2%	1,380	4.4%	128,441
45-49	87,704	7.7%	27,981	5.2%	5,912	7.1%	2,063	6.5%	4,740	7.0%	1,275	4.0%	129,675
50-54	85,616	7.5%	21,082	3.9%	5,058	6.1%	1,696	5.3%	4,174	6.2%	1,017	3.2%	118,643
55-59	80,616	7.0%	15,774	2.9%	4,003	4.8%	1,157	3.6%	3,608	5.3%	768	2.4%	105,926
60-64	72,463	6.3%	11,076	2.0%	2,832	3.4%	839	2.6%	2,826	4.2%	580	1.8%	90,616
65-69	58,508	5.1%	7,760	1.4%	2,143	2.6%	543	1.7%	1,818	2.7%	420	1.3%	71,192
70-74	46,244	4.0%	5,473	1.0%	1,525	1.8%	362	1.1%	1,338	2.0%	276	0.9%	55,218
75+	104,418	9.1%	8,427	1.6%	2,398	2.9%	466	1.5%	1,791	2.7%	432	1.4%	117,932
Total	1,145,461		540,877		82,731		31,809		67,566		31,633		1,900,077
<b>Males</b>													
0-4	61,873	5.6%	69,724	12.5%	7,416	8.6%	2,924	10.4%	5,022	8.2%	5,487	17.8%	152,446
5-9	62,947	5.7%	60,809	10.9%	6,733	7.8%	2,404	8.5%	4,207	6.9%	4,642	15.1%	141,742
10-14	65,628	5.9%	56,614	10.2%	7,267	8.4%	2,376	8.4%	4,179	6.8%	4,003	13.0%	140,067
15-19	68,611	6.2%	54,551	9.8%	8,167	9.5%	2,957	10.5%	3,965	6.5%	3,230	10.5%	141,481
20-24	69,870	6.3%	49,668	8.9%	7,639	8.9%	3,157	11.2%	4,372	7.2%	2,498	8.1%	137,204
25-29	78,425	7.1%	50,704	9.1%	7,010	8.1%	2,882	10.2%	6,165	10.1%	2,246	7.3%	147,432
30-34	68,537	6.2%	47,347	8.5%	6,342	7.4%	2,354	8.3%	6,390	10.5%	1,732	5.6%	132,702
35-39	80,014	7.2%	41,229	7.4%	6,877	8.0%	2,076	7.3%	6,313	10.3%	1,610	5.2%	138,119
40-44	79,771	7.2%	35,834	6.4%	6,195	7.2%	1,788	6.3%	4,929	8.1%	1,248	4.1%	129,765
45-49	86,652	7.8%	28,475	5.1%	6,261	7.3%	1,586	5.6%	4,088	6.7%	1,187	3.9%	128,249
50-54	81,321	7.3%	20,816	3.7%	4,942	5.7%	1,306	4.6%	3,336	5.5%	875	2.8%	112,596
55-59	72,277	6.5%	14,773	2.7%	3,939	4.6%	902	3.2%	2,500	4.1%	658	2.1%	95,049
60-64	65,939	6.0%	10,142	1.8%	2,759	3.2%	634	2.2%	1,897	3.1%	454	1.5%	81,825
65-69	51,026	4.6%	6,621	1.2%	1,828	2.1%	392	1.4%	1,459	2.4%	349	1.1%	61,675
70-74	40,409	3.6%	4,250	0.8%	1,223	1.4%	225	0.8%	1,100	1.8%	239	0.8%	47,446
75+	74,229	6.7%	5,695	1.0%	1,503	1.7%	284	1.0%	1,178	1.9%	297	1.0%	83,186
Total	1,107,529		557,252		86,101		28,247		61,100		30,755		1,870,984

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2008.

**Maricopa County Population Statistics**  
**Table 1.09 Population By Race/Ethnicity, Age, and Sex, 2007**

**Age by Sex**

**Race/Ethnicity by Sex**

Age	Males		Females		Total		Race/Ethnicity	Males		Females	
	No.	%	No.	%	No.	%		No.	%	No.	%
0-4	152,649	8.3%	146,886	7.9%	299,535	8.1%	White	1,103,761	59.9%	1,141,252	61.1%
5-9	138,269	7.5%	131,352	7.0%	269,621	7.3%	Hispanic	543,147	29.5%	522,960	28.0%
10-14	138,452	7.5%	132,947	7.1%	271,399	7.3%	African American	81,968	4.4%	78,760	4.2%
15-19	138,246	7.5%	127,948	6.8%	266,194	7.2%	American Indian	27,994	1.5%	31,356	1.7%
20-24	135,984	7.4%	125,730	6.7%	261,714	7.1%	Asian	57,802	3.1%	64,014	3.4%
25-34	280,126	15.2%	271,320	14.5%	551,446	14.9%	Multiple Races	29,171	1.6%	29,769	1.6%
35-44	268,723	14.6%	262,670	14.1%	531,393	14.3%					
45-54	234,462	12.7%	242,461	13.0%	476,923	12.8%					
55-64	171,505	9.3%	190,326	10.2%	361,831	9.7%	Total	1,843,843		1,868,111	
65-74	103,729	5.6%	119,826	6.4%	223,555	6.0%					
75-84	63,342	3.4%	82,575	4.4%	145,917	3.9%					
85+	18,356	1.0%	34,070	1.8%	52,426	1.4%					
Total	1,843,843		1,868,111		3,711,954						

**Age by Race/Ethnicity**

Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	123,651	5.5%	135,823	12.7%	14,062	8.7%	5,960	10.0%	9,627	7.9%	10,412	17.7%	299,535
5-9	122,074	5.4%	114,496	10.7%	12,289	7.6%	4,559	7.7%	7,936	6.5%	8,267	14.0%	269,621
10-14	129,382	5.8%	108,097	10.1%	13,856	8.6%	4,810	8.1%	7,728	6.3%	7,526	12.8%	271,399
15-19	132,675	5.9%	100,121	9.4%	14,426	9.0%	5,772	9.7%	7,065	5.8%	6,135	10.4%	266,194
20-24	135,201	6.0%	93,830	8.8%	13,362	8.3%	6,532	11.0%	8,106	6.7%	4,683	7.9%	261,714
25-34	292,322	13.0%	189,458	17.8%	24,516	15.3%	11,355	19.1%	25,847	21.2%	7,948	13.5%	551,446
35-44	322,912	14.4%	147,478	13.8%	24,654	15.3%	8,353	14.1%	22,326	18.3%	5,670	9.6%	531,393
45-54	337,301	15.0%	92,629	8.7%	21,029	13.1%	6,474	10.9%	15,349	12.6%	4,141	7.0%	476,923
55-64	285,307	12.7%	48,405	4.5%	12,546	7.8%	3,419	5.8%	9,863	8.1%	2,291	3.9%	361,831
65-74	186,944	8.3%	22,429	2.1%	6,371	4.0%	1,399	2.4%	5,233	4.3%	1,179	2.0%	223,555
75-84	129,327	5.8%	10,527	1.0%	2,790	1.7%	570	1.0%	2,167	1.8%	536	0.9%	145,917
85+	47,917	2.1%	2,814	0.3%	827	0.5%	147	0.2%	569	0.5%	152	0.3%	52,426
Total	2,245,013		1,066,107		160,728		59,350		121,816		58,940		3,711,954

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 Population Statistics

### Table 1.10 Population By Race/Ethnicity, Age, and Gender, 2007

Females Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	60,396	5.3%	66,719	12.8%	6,918	8.8%	3,060	9.8%	4,704	7.3%	5,089	17.1%	146,886
5-9	59,324	5.2%	55,883	10.7%	5,925	7.5%	2,225	7.1%	4,037	6.3%	3,958	13.3%	131,352
10-14	62,973	5.5%	53,154	10.2%	6,772	8.6%	2,386	7.6%	3,899	6.1%	3,763	12.6%	132,947
15-19	64,082	5.6%	47,923	9.2%	6,750	8.6%	2,864	9.1%	3,302	5.2%	3,027	10.2%	127,948
20-24	65,813	5.8%	44,172	8.4%	6,069	7.7%	3,352	10.7%	3,933	6.1%	2,391	8.0%	125,730
25-29	78,047	6.8%	47,272	9.0%	6,259	7.9%	3,300	10.5%	6,490	10.1%	2,309	7.8%	143,677
30-34	66,394	5.8%	43,917	8.4%	5,647	7.2%	2,810	9.0%	6,981	10.9%	1,894	6.4%	127,643
35-39	77,614	6.8%	39,440	7.5%	6,087	7.7%	2,320	7.4%	6,660	10.4%	1,547	5.2%	133,668
40-44	81,593	7.1%	32,859	6.3%	5,890	7.5%	2,201	7.0%	5,097	8.0%	1,362	4.6%	129,002
45-49	88,015	7.7%	26,514	5.1%	5,689	7.2%	2,027	6.5%	4,506	7.0%	1,201	4.0%	127,952
50-54	83,439	7.3%	19,837	3.8%	4,705	6.0%	1,635	5.2%	3,940	6.2%	953	3.2%	114,509
55-59	80,820	7.1%	14,693	2.8%	3,742	4.8%	1,116	3.6%	3,368	5.3%	707	2.4%	104,446
60-64	69,138	6.1%	10,244	2.0%	2,605	3.3%	801	2.6%	2,552	4.0%	540	1.8%	85,880
65-69	54,444	4.8%	7,070	1.4%	1,957	2.5%	456	1.5%	1,705	2.7%	383	1.3%	66,015
70-74	45,176	4.0%	5,333	1.0%	1,513	1.9%	359	1.1%	1,185	1.9%	245	0.8%	53,811
75+	103,984	9.1%	7,930	1.5%	2,232	2.8%	444	1.4%	1,655	2.6%	400	1.3%	116,645
Total	1,141,252		522,960		78,760		31,356		64,014		29,769		1,868,111
<b>Males</b>													
0-4	63,255	5.7%	69,104	12.7%	7,144	8.7%	2,900	10.4%	4,923	8.5%	5,323	18.2%	152,649
5-9	62,750	5.7%	58,613	10.8%	6,364	7.8%	2,334	8.3%	3,899	6.7%	4,309	14.8%	138,269
10-14	66,409	6.0%	54,943	10.1%	7,084	8.6%	2,424	8.7%	3,829	6.6%	3,763	12.9%	138,452
15-19	68,593	6.2%	52,198	9.6%	7,676	9.4%	2,908	10.4%	3,763	6.5%	3,108	10.7%	138,246
20-24	69,388	6.3%	49,658	9.1%	7,293	8.9%	3,180	11.4%	4,173	7.2%	2,292	7.9%	135,984
25-29	78,781	7.1%	51,769	9.5%	6,398	7.8%	2,851	10.2%	6,074	10.5%	2,129	7.3%	148,002
30-34	69,100	6.3%	46,500	8.6%	6,212	7.6%	2,394	8.6%	6,302	10.9%	1,616	5.5%	132,124
35-39	81,498	7.4%	40,557	7.5%	6,514	7.9%	2,043	7.3%	5,935	10.3%	1,483	5.1%	138,030
40-44	82,207	7.4%	34,622	6.4%	6,163	7.5%	1,789	6.4%	4,634	8.0%	1,278	4.4%	130,693
45-49	86,847	7.9%	26,873	4.9%	5,939	7.2%	1,591	5.7%	3,860	6.7%	1,128	3.9%	126,238
50-54	79,000	7.2%	19,405	3.6%	4,696	5.7%	1,221	4.4%	3,043	5.3%	859	2.9%	108,224
55-59	72,748	6.6%	14,044	2.6%	3,711	4.5%	913	3.3%	2,241	3.9%	626	2.1%	94,283
60-64	62,601	5.7%	9,424	1.7%	2,488	3.0%	589	2.1%	1,702	2.9%	418	1.4%	77,222
65-69	48,019	4.4%	6,094	1.1%	1,759	2.1%	373	1.3%	1,379	2.4%	326	1.1%	57,950
70-74	39,305	3.6%	3,932	0.7%	1,142	1.4%	211	0.8%	964	1.7%	225	0.8%	45,779
75+	73,260	6.6%	5,411	1.0%	1,385	1.7%	273	1.0%	1,081	1.9%	288	1.0%	81,698
Total	1,103,761		543,147		81,968		27,994		57,802		29,171		1,843,843

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 Population Statistics**

**Table 1.11 Maricopa County, Phoenix, and Arizona Population 1980-2011**

<b>Year</b>	<b>City of Phoenix</b>	<b>Maricopa County</b>	<b>State of Arizona</b>	<b>Source</b>
1980	789,704	1,509,175	2,726,100	1980 U.S. Census
1985	NA	1,837,912	3,162,900	1985 Special Census
1990	983,403	2,122,101	3,680,800	1990 U.S. Census
1995	1,098,684	2,551,765	4,228,900	1995 Special Census
2000	1,321,045	3,072,149	5,130,632	2000 U.S. Census
2001	1,342,908	3,175,989	5,273,477	2000-2010 U.S. Intercensal Estimate
2002	1,357,196	3,255,388	5,396,255	2000-2010 U.S. Intercensal Estimate
2003	1,368,806	3,328,468	5,510,364	2000-2010 U.S. Intercensal Estimate
2004	1,386,945	3,417,860	5,652,404	2000-2010 U.S. Intercensal Estimate
2005	1,417,720	3,538,988	5,839,077	2000-2010 U.S. Intercensal Estimate
2006	1,441,241	3,642,884	6,029,141	2000-2010 U.S. Intercensal Estimate
2007	1,450,901	3,711,954	6,167,681	2000-2010 U.S. Intercensal Estimate
2008	1,456,729	3,771,061	6,280,362	2000-2010 U.S. Intercensal Estimate
2009	1,452,679	3,803,779	6,343,154	2000-2010 U.S. Intercensal Estimate
2010	1,445,632	3,817,117	6,392,017	2010 U.S. Census
2011	1,469,471	3,880,244	6,482,505	U.S. Census Estimates

1. Population estimates for Phoenix 2001-2009 are based on U.S. Census Estimates for 2009 and made prior to the 2010 Census.

## ***II. Maricopa County Five-Year Health Trends***

## Maricopa County Five-Year Health Trends

**Table 2.01a Selected Underlying Causes of Death 2007-2011,  
Number of Deaths**

Cause of Death		Number of Deaths					
		2007	2008	2009	2010	2011	
Infectious Diseases	Tuberculosis	5	5	5	10	7	
	Syphilis	0	0	0	0	1	
	HIV	71	74	62	67	60	
Cancer	Stomach	99	109	93	114	116	
	Colon	506	474	457	501	494	
	Pancreas	345	344	342	383	394	
	Lung	1,370	1,333	1,410	1,445	1,409	
	Breast	395	426	388	411	422	
	Uterine & Ovarian	251	241	252	260	298	
	Prostate	288	304	285	273	294	
	Urinary	265	249	288	292	307	
	Lymphoma	201	242	216	190	214	
	Leukemia	234	218	268	222	221	
	Other Cancer	1,369	1,344	1,421	1,417	1,479	
	All Cancer	5,323	5,284	5,420	5,508	5,648	
	Diabetes and Alzheimer's	Diabetes	583	623	548	702	1,000
Alzheimer's		1,454	1,458	1,481	1,665	1,732	
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Disease	432	385	423	370	423
		Ischemic Heart Disease	4,138	4,249	4,132	3,957	4,145
		Other Heart Disease	947	838	864	816	790
		All Heart Disease	5,517	5,472	5,419	5,143	5,358
	Other Cardio-vascular	Primary Hypertension	229	326	318	317	505
		Cerebrovascular	1,114	1,118	1,068	1,084	1,086
		Atherosclerosis	60	87	80	66	62
		Other Circulatory	208	188	171	199	178
		All Other Cardiovascular	1,611	1,719	1,637	1,666	1,831
		Other Respiratory Diseases	Influenza & Pneumonia	456	539	519	296
	Chronic Lower Respiratory	1,407	1,504	1,444	1,463	1,710	
GI & Urinary	Peptic Ulcer	33	25	26	40	35	
	Liver Disease	356	382	383	386	428	
	Nephritis	214	173	197	180	94	
Pregnancy & Early Life	Pregnancy	6	6	4	8	3	
	Perinatal Conditions	197	183	168	144	150	
	Congenital Malformations	141	133	126	114	120	
	SIDS	22	22	18	16	17	
Other Diseases	Symptoms, Signs	572	447	565	751	809	
	Other Diseases	3,770	3,690	3,896	3,839	3,687	
External Causes	Motor Vehicle Collisions <sup>1</sup>	505	427	355	336	358	
	All Other Accidents	1,190	1,253	1,241	1,243	1,304	
	Suicide	551	535	529	548	589	
	Homicide	329	277	212	219	202	
	Other External Causes	80	69	78	93	87	
	All External Causes	2,655	2,561	2,415	2,439	2,540	
Unknown		16	1	5	1	0	
<b>Total</b>		24,409	24,301	24,338	24,438	25,464	

<sup>1</sup> Refer to the Technical Notes for an explanation of the sharp changes in these causes of death over time

## Maricopa County Five-Year Health Trends

**Table 2.01b Selected Underlying Causes of Death, 2007-2011**  
**Crude Death Rate per 100,000 Residents**

Cause of Death		Death Rate					
		2007	2008	2009	2010	2011	
Infectious Diseases	Tuberculosis	0.1	0.1	0.1	0.3	0.2	
	Syphilis	0.0	0.0	0.0	0.0	0.0	
	HIV	1.9	2.0	1.6	1.8	1.5	
Cancer	Stomach	2.7	2.9	2.4	3.0	3.0	
	Colon	13.6	12.6	12.0	13.1	12.7	
	Pancreas	9.3	9.1	9.0	10.0	10.2	
	Lung	36.9	35.3	37.1	37.9	36.3	
	Breast	10.6	11.3	10.2	10.8	10.9	
	Uterine & Ovarian <sup>1</sup>	13.4	12.7	13.1	13.5	15.2	
	Prostate <sup>1</sup>	15.6	16.3	15.1	14.5	15.3	
	Urinary	7.1	6.6	7.6	7.6	7.9	
	Lymphoma	5.4	6.4	5.7	5.0	5.5	
	Leukemia	6.3	5.8	7.0	5.8	5.7	
	Other Cancer	36.9	35.6	37.4	37.1	38.1	
	All Cancer	143.4	140.1	142.5	144.3	145.6	
	Diabetes and Alzheimer's	Diabetes	15.7	16.5	14.4	18.4	25.8
		Alzheimer's	39.2	38.7	38.9	43.6	44.6
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	11.6	10.2	11.1	9.7	10.9
		Ischemic Heart Disease	111.5	112.7	108.6	103.7	106.8
		Other Heart Disease	25.5	22.2	22.7	21.4	20.4
		All Heart Disease	148.6	145.1	142.5	134.7	138.1
	Other Cardiovascular	Primary Hypertension	6.2	8.6	8.4	8.3	10.9
		Cerebrovascular	30.0	29.6	28.1	28.4	106.8
		Atherosclerosis	1.6	2.3	2.1	1.7	20.4
		Other Circulatory	5.6	5.0	4.5	5.2	10.9
		All Other Cardiovascular	43.4	45.6	43.0	43.6	47.2
		Other Respiratory Diseases	Influenza & Pneumonia	12.3	14.3	13.6	7.8
	Chronic Lower Respiratory	37.9	39.9	38.0	38.3	44.1	
GI & Urinary	Peptic Ulcer	0.9	0.7	0.7	1.0	0.9	
	Liver Disease	9.6	10.1	10.1	10.1	11.0	
	Nephritis	5.8	4.6	5.2	4.7	2.4	
Pregnancy & Early Life	Pregnancy <sup>1</sup>	0.2	0.2	0.1	0.2	0.2	
	Perinatal Conditions	5.3	4.9	4.4	3.8	3.9	
	Congenital Malformations	3.8	3.5	3.3	3.0	3.1	
	SIDS <sup>2</sup>	0.3	0.4	0.3	0.3	0.3	
Other Diseases	Symptoms, Signs	15.4	11.9	14.9	19.7	20.8	
	Other Diseases	101.6	97.9	102.4	100.6	95.0	
External Causes	Motor Vehicle Collisions <sup>3</sup>	13.6	11.3	9.3	8.8	9.2	
	All Other Accidents	32.1	33.2	32.6	32.6	33.6	
	Suicide	14.8	14.2	13.9	14.4	15.2	
	Homicide	8.9	7.3	5.6	5.7	5.2	
	Other External Causes	2.2	1.8	2.1	2.4	2.2	
	All External Causes	71.5	67.9	63.5	63.9	65.5	
Unknown		0.4	0.0	0.1	0.0	0	
<b>Total</b>		<b>657.6</b>	<b>644.4</b>	<b>639.8</b>	<b>640.2</b>	<b>656.2</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.

<sup>3</sup> Refer to the Technical Notes for an explanation of the changes in these causes of death over time

## Maricopa County Five-Year Health Trends

**Table 2.02a Other Selected Underlying Causes of Death 2007-2011,  
Number of Deaths**

Cause of Death		Number of Deaths				
		2007	2008	2009	2010	2011
Infectious Diseases	<i>Clostridium difficile</i>	87	75	96	103	94
	Other Intestinal Infections	6	10	22	23	13
	Septicemia	308	180	298	199	107
	Viral Hepatitis	78	103	138	112	128
	Coccidioidomycosis	20	9	22	22	13
	Other Mycoses	17	17	18	12	7
Cancer	Brain	133	135	163	149	155
	Lip and Oral	66	69	59	63	77
	Skin (Melanoma)	101	98	121	103	102
	Ovarian	168	130	157	156	164
	Testicular	5	5	6	5	6
Other Diseases	Anemias	30	19	27	27	27
	Nutritional Deficiencies	10	12	22	22	26
	Obesity	49	39	50	90	83
	Mental & Behavioral Disorders Due to	110	94	106	108	109
	Parkinson's Disease	253	273	252	270	312
	Multiple Sclerosis	43	42	38	47	41
	Epilepsy	13	11	17	19	19
Cardiovascular	Acute Myocardial Infarction	958	869	888	769	860
	Congestive Heart Failure	186	138	143	130	108
Chronic Lower Respiratory	Emphysema	148	130	109	120	79
	Asthma	33	20	28	32	57
Liver Disease	Alcoholic Liver Disease	220	259	262	299	335
Musculoskeletal	Rheumatoid Arthritis	20	27	15	31	41
	Lupus	16	14	7	12	12
	Osteoporosis	7	8	6	6	11
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation &	61	60	65	49	42
	Congenital Malformations of the	46	35	47	36	38
	Chromosomal Abnormalities	24	32	19	21	18
External Causes	Falls	497	480	480	494	516
	Drowning	53	45	54	52	54
	Unintentional Poisoning <sup>1</sup>	418	458	493	462	480
	Exposure to Excessive Natural Heat	20	23	20	28	36
	Legal Intervention	9	8	3	7	6
	Accidental Discharge of Firearms	6	7	5	9	4
	Discharge of Firearms, Undetermined	11	5	3	8	4
	Complications of Medical & Surgical	25	25	20	30	29

<sup>1</sup> Refer to the Technical Notes for an explanation of the changes in these causes of death over time

**Maricopa County Five-Year Health Trends**

**Table 2.02b Other Selected Underlying Causes of Death 2007-2011,  
Crude Death Rate per 100,000 Residents**

Cause of Death		Death Rate				
		2007	2008	2009	2010	2011
Infectious Diseases	<i>Clostridium difficile</i>	2.3	2.0	2.5	2.7	2.4
	Other Intestinal Infections	0.2	0.3	0.6	0.6	0.3
	Septicemia	8.3	4.8	7.8	5.2	2.8
	Viral Hepatitis	2.1	2.7	3.6	2.9	3.3
	Coccidioidomycosis	0.5	0.2	0.6	0.6	0.3
	Other Mycoses	0.5	0.5	0.5	0.3	0.2
Cancer	Brain	3.6	3.6	4.3	3.9	4.0
	Lip and Oral	1.8	1.8	1.6	1.7	2.0
	Skin (Melanoma)	2.7	2.6	3.2	2.7	2.6
	Ovarian <sup>1</sup>	9.0	6.8	8.2	8.1	8.4
	Testicular <sup>1</sup>	0.3	0.3	0.3	0.3	0.3
Other Diseases	Anemias	0.8	0.5	0.7	0.7	0.7
	Nutritional Deficiencies	0.3	0.3	0.6	0.6	0.7
	Obesity	1.3	1.0	1.3	2.4	2.1
	Mental & Behavioral Disorders Due to	3.0	2.5	2.8	2.8	2.8
	Parkinson's Disease	6.8	7.2	6.6	7.1	8.0
	Multiple Sclerosis	1.2	1.1	1.0	1.2	1.1
	Epilepsy	0.4	0.3	0.4	0.5	0.5
Cardiovascular	Acute Myocardial Infarction	25.8	23.0	23.3	20.1	22.2
	Congestive Heart Failure	5.0	3.7	3.8	3.4	2.8
Chronic Lower Respiratory	Emphysema	4.0	3.4	2.9	3.1	2.0
	Asthma	0.9	0.5	0.7	0.8	1.5
Liver Disease	Alcoholic Liver Disease	5.9	6.9	6.9	7.8	8.6
Musculoskeletal	Rheumatoid Arthritis	0.5	0.7	0.4	0.8	1.1
	Lupus	0.4	0.4	0.2	0.3	0.3
	Osteoporosis	0.2	0.2	0.2	0.2	0.3
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation &	1.6	1.6	1.7	1.3	1.1
	Congenital Malformations of the	1.2	0.9	1.2	0.9	1.0
	Chromosomal Abnormalities	0.6	0.8	0.5	0.6	0.5
External Causes	Falls	13.4	12.7	12.6	12.9	13.3
	Drowning	1.4	1.2	1.4	1.4	1.4
	Unintentional Poisoning <sup>2</sup>	11.3	12.1	13.0	12.1	12.4
	Exposure to Excessive Natural Heat	0.5	0.6	0.5	0.7	0.9
	Legal Intervention	0.2	0.2	0.1	0.2	0.2
	Accidental Discharge of Firearms	0.2	0.2	0.1	0.2	0.1
	Discharge of Firearms, Undetermined	0.3	0.1	0.1	0.2	0.1
	Complications of Medical & Surgical	0.7	0.7	0.5	0.8	0.7

<sup>1</sup> Ovarian cancer rates are per 100,000 females; testicular cancer rates are per 100,000 males.

<sup>2</sup> Refer to the Technical Notes for an explanation of the changes in these rates over time.

**Maricopa County Five-Year Health Trends**

**Table 2.03a Firearm, Drug, and Alcohol Induced and Related Deaths 2007-2011  
Number of Deaths**

Cause of Death	Number of Deaths				
	2007	2008	2009	2010	2011
Firearm Related	550	511	447	486	510
Drug Induced	569	571	618	604	611
Drug Related, Including Tobacco	794	813	824	3,903	3,984
Drug Related, Excluding Tobacco	662	656	684	715	742
Alcohol Induced	354	386	407	447	474
Alcohol Related	557	595	631	680	721

**Table 2.03b Firearm, Drug, and Alcohol Induced and Related Deaths 2007-2011  
Crude Death Rate per 100,000 Residents**

Cause of Death	Death Rate				
	2007	2008	2009	2010	2011
Firearm Related	14.8	13.6	11.8	12.7	13.1
Drug Induced	15.3	15.1	16.2	15.8	15.7
Drug Related, Including Tobacco	21.4	21.6	21.7	102.2	102.7
Drug Related, Excluding Tobacco	17.8	17.4	18.0	18.7	19.1
Alcohol Induced	9.5	10.2	10.7	11.7	12.2
Alcohol Related	15.0	15.8	16.6	17.8	18.6

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

## Maricopa County Five-Year Health Trends

**Table 2.04a Number of Confirmed and Probable Cases of Selected Diseases, 2007-2011**

Disease		Number of Cases				
		2007	2008	2009	2010	2011
<b>Vaccine Preventable</b>	<i>H. influenzae</i>	46	56	50	62	52
	Measles	0	0	0	0	1
	Mumps	9	1	4	4	0
	Pertussis	182	197	236	409	698
<b>Central Nervous System</b>	Enceph Viral Other	11	7	1	2	4
	Meningitis Viral/Aseptic	551	571	435	642	321
	Meningococcal Meningitis	6	4	6	8	14
<b>Enterics</b>	Amebiasis	7	7	0	1	8
	Botulism	0	3	3	0	5
	Campylobacteriosis	597	645	520	548	534
	Cholera	1	0	0	0	0
	Cryptosporidiosis	27	71	24	23	32
	<i>E. Coli</i> O157.H7	58	49	47	63	79
	Giardiasis	96	60	116	106	73
	Listeriosis	8	5	5	6	6
	Norovirus <sup>1,2</sup>	-	64	40	77	70
	Salmonella Paratyphi	1	5	3	3	3
	Salmonellosis	495	574	560	508	385
	Shigellosis	308	428	553	245	210
	Typhoid	5	2	2	6	1
<b>Mycosis</b>	Coccidioidomycosis	3,450	3,525	8,078	9,460	13,404
<b>Zoonoses/ Vectorborne</b>	Bruceellosis	4	2	2	6	3
	Dengue	4	5	5	7	3
	Hantavirus Pulm. Syndrome	0	0	0	0	1
	Lyme Disease	0	8	3	0	7
	Malaria	7	10	9	20	17
	West Nile Virus	68	90	19	115	45
<b>Hepatitides</b>	Hepatitis A	79	70	30	33	56
	Hepatitis B (Acute)	110	115	145	94	135
	Hepatitis D	0	0	0	0	0
<b>Other</b>	Legionellosis	33	21	37	44	28
	MRSA	846	915	806	798	805
	RSV <sup>1,2</sup>	-	109	1,928	1,718	2,404
	Strep Group A	106	112	85	101	112
	Strep Group B (<90 Days)	42	34	27	30	24
	Strep Pneumo Invasive	514	574	474	423	434
	Toxic Shock Syndrome	4	1	1	3	2
	Vibrio spp.	7	12	9	13	16
	Yersiniosis	4	4	6	1	4
	Hansen's Disease <sup>2</sup>	1	0	0	0	0
<b>Tuberculosis<sup>2</sup></b>		171	109	138	153	117
<b>Sexually Transmitted Diseases</b>	Genital Herpes <sup>2</sup>	1,479	969	693	1,128	1,360
	Gonorrhea <sup>2</sup>	3,173	2,135	2,264	2,290	3,236
	Syphilis – Primary and Secondary <sup>2</sup>	192	234	160	159	200
	Syphilis – All Others <sup>2</sup>	620	650	496	475	430
	Chlamydia <sup>2</sup>	14,544	13,426	14,658	15,616	16,723
	HIV <sup>2</sup>	404	376	337	290	315
	AIDS <sup>2</sup>	348	386	346	320	249
<b>All Others<sup>3</sup></b>		48	290	316	194	546
<b>Total</b>		28,666	26,931	33,677	36,204	43,175

<sup>1</sup> Norovirus and respiratory syncytial virus (RSV) were not reported to health departments until April 2008.

<sup>2</sup> Confirmed cases only

## Maricopa County Five-Year Health Trends

**Table 2.04b Rates per 100,000 Residents for Selected Diseases, 2007-2011**

Disease		Rate of Disease				
		2007	2008	2009	2010	2011
<b>Vaccine Preventable</b>	<i>H. influenzae</i>	1.2	1.5	1.3	1.6	1.3
	Measles	0	0	0	0	0
	Mumps	0.2	0	0.1	0.1	0
	Pertussis	4.9	5.2	6.2	10.7	18.0
<b>Central Nervous System</b>	Enceph Viral Other	0.3	0.2	0	0.1	0.1
	Meningitis Viral/Aseptic	14.8	15.1	11.4	16.8	8.3
	Meningococcal Meningitis	0.2	0.1	0.2	0.2	0.4
<b>Enterics</b>	Amebiasis	0.2	0.2	0	0	0.2
	Botulism	0	0.1	0.1	0	0.1
	Campylobacteriosis	16.1	17.1	13.7	14.4	13.8
	Cholera	0	0	0	0	0
	Cryptosporidiosis	0.7	1.9	0.6	0.6	0.8
	<i>E. Coli</i> O157.H7	1.6	1.3	1.2	1.7	2.0
	Giardiasis	2.6	1.6	3	2.8	1.9
	Listeriosis	0.2	0.1	0.1	0.2	0.2
	Norovirus <sup>1,2</sup>	-	1.7	1.1	2	1.8
	Salmonella Paratyphi	0	0.1	0.1	0.1	0.1
	Salmonellosis	13.3	15.2	14.7	13.3	9.9
	Shigellosis	8.3	11.3	14.5	6.4	5.4
	Typhoid	0.1	0.1	0.1	0.2	0
<b>Mycosis</b>	Coccidioidomycosis	92.9	93.5	212.4	247.8	345.4
<b>Zoonoses/ Vectorborne</b>	Brucellosis	0.1	0.1	0.1	0.2	0.1
	Dengue	0.1	0.1	0.1	0.2	0.1
	Hantavirus Pulm. Syndrome	0	0	0	0	0
	Lyme Disease	0	0.2	0.1	0	0.2
	Malaria	0.2	0.3	0.2	0.5	0.4
	West Nile Virus	1.8	2.4	0.5	3	1.2
<b>Hepatitides</b>	Hepatitis A	2.1	1.9	0.8	0.9	1.4
	Hepatitis B (Acute)	3	3	3.8	2.5	3.5
	Hepatitis D	0	0	0	0	0
<b>Other</b>	Legionellosis	0.9	0.6	1	1.2	0.7
	MRSA	22.8	24.3	21.2	20.9	20.7
	RSV <sup>1,2</sup>	-	2.9	50.7	45	62.0
	Strep Group A	2.9	3	2.2	2.6	2.9
	Strep Group B <sup>3</sup>	0.6	0.5	0.5	0.6	0.4
	Strep Pneumo Invasive	13.8	15.2	12.5	11.1	11.2
	Toxic Shock Syndrome	0.1	0	0	0.1	0.1
	Vibrio spp.	0.2	0.3	0.2	0.3	0.4
	Yersiniosis	0.1	0.1	0.2	0	0.1
	Hansen's Disease <sup>2</sup>	0.0	0	0	0	0
<b>Tuberculosis<sup>2</sup></b>		4.6	2.9	3.6	4.0	3.0
<b>Sexually Transmitted Diseases</b>	Genital Herpes <sup>2</sup>	39.8	25.7	18.2	29.6	35.0
	Gonorrhea <sup>2</sup>	85.5	56.6	59.5	60.0	83.4
	Syphilis – Primary and Secondary <sup>2</sup>	5.2	6.2	4.2	4.2	5.2
	Syphilis – All Others <sup>2</sup>	16.7	17.2	13.0	12.4	11.1
	Chlamydia <sup>2</sup>	391.8	356.0	385.4	409.1	431.0
	HIV <sup>2</sup>	10.9	10.0	8.9	7.6	8.1
	AIDS <sup>2</sup>	9.4	10.2	9.1	8.4	6.4
<b>All Others<sup>3</sup></b>		1.3	7.7	8.3	5.1	14.1
<b>Total</b>		772.3	714.1	885.4	948.5	1,112.7

<sup>1</sup> Norovirus and respiratory syncytial virus (RSV) were not reported to health departments until April 2008.

<sup>2</sup> Confirmed cases only

<sup>3</sup> Rates for Streptococcus Group B Invasive disease in infants <90 days are per 1,000 live births

**Maricopa County Five-Year Health Trends**

**Table 2.05a Congenital Syphilis by Race/Ethnicity and Year  
Number of Cases, 2007-2011**

Race/Ethnicity	Number of Cases				
	2007	2008	2009	2010	2011
White	5	3	2	7	3
Hispanic	12	11	7	5	4
African American	1	2	1	1	1
American Indian	2	3	1	0	2
Asian	0	0	1	0	0
Other/Unknown	0	0	0	0	0
Total	20	19	12	13	10

**Table 2.05b Congenital Syphilis by Race/Ethnicity and Year  
Case Rates per 100,000 Live Births, 2007-2011**

Race/Ethnicity	Rate of Disease				
	2007	2008	2009	2010	2011
White	18.6	11.4	8.1	28.6	12.1
Hispanic	38.4	40.7	27.5	22.3	18.9
African American	32.9	61.1	31.2	31.1	31.4
American Indian	197	154.6	57.8	0	126.1
Asian	0	0	42.6	0	0
Other/Unknown	-	-	-	-	-
Total	30.3	30.3	20.8	23.9	18.7

**Table 2.06 Hansen's Disease Prevalence**

Total number of cases reported in Maricopa County as of December 21, 2011	
Gender	
Male	36
Female	28
Total	64
Age at Diagnosis	
0-9	3
10-14	0
15-19	2
20-24	0
25-34	12
35-44	4
45-54	13
55-64	15
65 and Older	15
Unknown	0
Total	64

This table includes all known cases of Hansen's Disease diagnosed in Maricopa County, including some non-Maricopa County residents. It includes suspect and confirmed cases diagnosed between 1955 and 2011.

## Maricopa County Five-Year Health Trends

### Table 2.07a Selected Maternal & Child Health Indicators, 2007-2011

Maternal and Child Health Indicator		Number of Live Births					
		2007	2008	2009	2010	2011	
<b>Countywide Indicators</b>	Number of Live Births	65,930	62,666	57,655	54,235	53,361	
	Number of Male Infants of Total Live Births	33,829	31,950	29,499	27,649	27,284	
<b>Number of Live Births to Mothers With Selected Risk Factors</b>	Mothers With <12 Years Education	19,707	17,406	14,430	12,073	10,704	
	Births to Women 10-19 Years Old	7,816	7,210	6,246	5,342	4,780	
	Births to Women 15-17 Years Old	2,664	2,548	2,044	1,652	1,377	
	Births to Women Over 35 Years Old	8,372	8,216	7,832	7,664	7,901	
	Births to Never Married Women	29,185	27,656	25,535	23,557	22,797	
	Tobacco Use During Pregnancy	2,495	2,592	2,332	2,245	1,997	
	Alcohol Use During Pregnancy	265	320	247	237	267	
	Mother with Pre-Existing Cardiac Disease	111	127	128	154	143	
	Mother with Pre-Existing Diabetes	2,255	2,563	2,296	2,326	2,444	
	Mothers with No Medical Risk Factors for Pregnancy	49,387	43,933	39,202	35,811	34,803	
	<b>Number of Live Births With Selected Risk Factors Associated with Pregnancy</b>	Induced Labor	11,873	13,820	13,194	12,598	11,217
Delivery via C-Section		Primary Cesarean Section	10,413	9,804	8,822	8,463	8,075
		Repeat Cesarean Section	7,545	7,722	7,567	6,895	7,104
Preterm Births (Less than 37 Weeks)		6,991	6,583	6,032	5,366	5,116	
Hospital Births		65,512	62,300	57,238	53,800	52,779	
Method of Payment		AHCCCS	34,403	32,972	30,613	28,906	27,981
		IHS	320	267	221	182	214
		Private Insurance	29,238	27,610	25,084	23,408	23,418
		Self	1,695	1,501	1,372	1,485	1,525
Prenatal Care		None	1,339	944	864	686	686
		1 <sup>st</sup> Trimester	52,961	52,056	48,689	46,571	45,486
		2 <sup>nd</sup> Trimester	9,708	8,046	6,698	5,638	5,697
		3 <sup>rd</sup> Trimester	1,889	1,561	1,296	1,231	1,190
Number of Prenatal Care Visits		0	1,339	944	864	687	686
		1-4	2,134	1,722	1,493	1,369	1,378
		5-8	10,505	9,315	7,933	6,625	6,144
		9-12	31,834	30,633	28,396	26,926	25,198
		13+	20,081	19,986	18,849	18,510	19,606
Plurality		Singletons	64,065	60,810	55,944	52,594	51,832
		Twins	1,762	1,748	1,633	1,592	1,471
Singleton Births Receiving Early & Adequate Prenatal Care <sup>1</sup>		45,626	44,803	41,988	40,007	39,578	
<b>Number of Live Births with Selected Risk Factors Associated with the Neonate</b>	Neonatal Intensive Care	3,365	3,768	3,841	3,429	2,950	
	Infants Transferred to Another Facility <sup>1</sup>	297	350	267	217	178	
	Birthweight	Very Low (<1500g)	818	714	690	575	658
		Low (<2500g)	3,851	3,663	3,428	3,278	3,062
		High (>4250g)	2,064	1,903	1,668	1,606	1,674
	Infants With a Neural Tube Defect <sup>2</sup>	11	11	10	11	13	
Infants With Fetal Alcohol Syndrome <sup>2</sup>	1	1	0	3	1		

<sup>1</sup> See the technical notes for an explanation of early and adequate prenatal care and infants transferred to another facility.

<sup>2</sup> Due to the collection method for these data, information is underestimated.

## Maricopa County Five-Year Health Trends

### Table 2.07b Selected Maternal & Child Health Indicator Percentages, 2007-2011

Maternal and Child Health Indicator		Percent of Live Births					
		2007	2008	2009	2010	2011	
<b>Countywide Indicators</b>	Number of Live Births	65,930	62,666	57,655	54,235	54,235	
	% Male Infants of Total Live Births	51.3%	51.0%	51.2%	51.0%	51.1%	
	Fertility Rate per 1,000 Women Age 15-44 <sup>1</sup>	83.7	78.8	72.3	68.4	67.7	
<b>Percentage of Live Births to Mothers With Selected Risk Factors</b>	% Mothers With <12 Years Education	29.9%	27.8%	25.0%	22.3%	20.1%	
	% Births to Women 10-19 Years Old	11.9%	11.5%	10.8%	9.8%	9.0%	
	% Births to Women 15-17 Years Old	4.0%	4.1%	3.5%	3.0%	2.6%	
	% Births to Women Over 35 Years Old	12.7%	13.1%	13.6%	14.1%	14.8%	
	% Births to Never Married Women	44.3%	44.1%	44.3%	43.4%	42.7%	
	% Tobacco Use During Pregnancy	3.8%	4.1%	4.0%	4.1%	3.7%	
	% Alcohol Use During Pregnancy	0.4%	0.5%	0.4%	0.4%	0.5%	
	% Mother with Pre-Existing Cardiac Disease	0.2%	0.2%	0.2%	0.3%	0.3%	
	% Mother with Pre-Existing Diabetes	3.4%	4.1%	4.0%	4.3%	4.6%	
	% Mothers with No Medical Risk Factors for Pregnancy	74.9%	70.1%	68.0%	66.0%	65.2%	
<b>Percentage of Live Births With Selected Risk Factors Associated with Pregnancy</b>	% Induced Labor		18.0%	22.1%	22.9%	23.2%	21.0%
	Delivery via C-Section	Primary Cesarean Section	15.8%	15.6%	15.6%	15.9%	15.1%
		Repeat Cesarean Section	11.4%	12.3%	12.7%	12.9%	13.3%
	% Preterm Births (Less than 37 Weeks)		10.6%	10.5%	10.5%	9.9%	9.6%
	% Hospital Births		99.4%	99.4%	99.3%	99.2%	98.9%
	Method of Payment	AHCCCS	52.2%	52.6%	53.1%	53.3%	52.4%
		IHS	0.5%	0.4%	0.4%	0.3%	0.4%
		Private Insurance	44.3%	44.1%	43.5%	43.2%	43.9%
		Self	2.6%	2.4%	2.4%	2.7%	2.9%
	Prenatal Care	None	2.0%	1.5%	1.5%	1.3%	1.3%
		1 <sup>st</sup> Trimester	80.3%	83.1%	84.4%	85.9%	85.2%
		2 <sup>nd</sup> Trimester	14.7%	12.8%	11.6%	10.4%	10.7%
		3 <sup>rd</sup> Trimester	2.9%	2.5%	2.2%	2.3%	2.2%
	Number of Prenatal Care Visits	0	2.0%	1.5%	1.5%	1.3%	1.3%
		1-4	3.2%	2.7%	2.6%	2.5%	2.6%
		5-8	15.9%	14.9%	13.8%	12.2%	11.5%
		9-12	48.3%	48.9%	49.3%	49.6%	47.2%
		13+	30.5%	31.9%	32.7%	34.1%	36.7%
	Plurality	Singletons	97.2%	97.0%	97.0%	97.0%	97.1%
		Twins	2.7%	2.8%	2.8%	2.9%	2.8%
	% Singleton Births Receiving Early & Adequate Prenatal Care <sup>2</sup>		69.2%	71.5%	72.8%	73.8%	74.2%
<b>Percentage of Live Births with Selected Risk Factors Associated with the Neonate</b>	Neonatal Intensive Care		5.1%	6.0%	6.7%	6.3%	5.5%
	% Infants Transferred to Another Facility <sup>2</sup>		0.5%	0.6%	0.5%	0.4%	0.3%
	Birthweight	Very Low (<1500g)	1.2%	1.1%	1.2%	1.1%	1.2%
		Low (<2500g)	5.8%	5.8%	5.9%	6.0%	5.7%
		High (>4250g)	3.1%	3.0%	2.9%	3.0%	3.1%
	% Infants With a Neural Tube Defect <sup>3</sup>		0.00%	0.00%	0.00%	0.02%	0.02%
% Infants with Fetal Alcohol Syndrome <sup>3</sup>		0.00%	0.00%	0%	0.00%	0.00%	

<sup>1</sup> The annual number of women age 15 to 44 years old was used to compute this rate.

<sup>2</sup> See the technical notes for an explanation of early and adequate prenatal care and infants transferred to another facility.

<sup>3</sup> Due to the collection method for these data, information is underestimated.

**Maricopa County Five-Year Health Trends**

**Table 2.08 Number of Births by Maternal Indicators for Infant Mortality Rate**

Maternal Indicators		Number of Live Births				
		2007	2008	2009	2010	2011
<b>Mother's Race</b>	White	26,884	26,317	24,721	24,485	24,786
	Hispanic	31,375	28,724	25,449	22,413	21,124
	African American	3,040	3,134	3,203	3,215	3,180
	American Indian	1,905	1,837	1,731	1,585	1,586
	Asian	2,508	2,444	2,349	2,335	2,518
	Other/Unknown	218	210	202	202	167
<b>Mother's Age</b>	<20	7,816	7,210	6,246	5,342	4,780
	20-29	35,508	33,443	30,476	28,487	27,853
	30-39	21,070	20,613	19,493	18,972	19,202
	40 and Older	1,533	1,397	1,439	1,434	1,526
<b>Mother's Education Level</b>	Less than 6th Grade	1,155	1,011	780	732	638
	6th-11th Grade	18,552	16,395	13,650	11,341	10,066
	High School Diploma	18,258	17,529	16,280	15,543	15,088
	College or Higher	27,161	27,186	26,637	26,280	26,769
	Unknown	804	545	308	339	800
<b>Birthweight</b>	<1,500 Grams	818	714	690	575	658
	1,500-2,499 Grams	3,851	3,663	3,428	3,278	3,062
	2,500-4,249 Grams	59,190	56,383	51,864	48,772	47,962
	>4,249 Grams	2,064	1,903	1,668	1,606	1,674
	Unknown	7	3	5	4	5

**Table 2.09a Infant Mortality by Race/Ethnicity of Mother, 2007-2011 (Linked)**

Race/Ethnicity of Mother	Number of Infant Deaths					
	2007	2008	2009	2010	2011	Total
White	159	144	129	113	126	671
Hispanic	186	142	118	127	120	693
African American	37	51	45	36	30	199
American Indian	10	8	13	10	11	52
Asian	10	28	17	1	1	57
Other/Unknown	0	1	1	18	17	37
Total	402	374	323	305	305	1,709

**Table 2.09b Infant Mortality Rates by Race/Ethnicity of Mother, 2007-2011 (Linked)**  
**Infant Mortality per 1,000 Live Births**

Race/Ethnicity of Mother	Infant Mortality Rate per 1,000 Live Births					
	2005	2006	2007	2008	2009	Total
White	5.9	5.5	5.2	4.6	5.1	5.3
Hispanic	5.9	4.9	4.6	5.7	5.7	5.4
African American	12.2	16.3	14.0	11.2	9.4	12.6
American Indian	5.2	4.4	7.5	6.3	6.9	6.0
Asian	4.0	11.5	7.2	0.4	0.4	4.7
Other/Unknown	-	-	-	-	-	-
Total	6.1	6.0	5.6	5.6	5.7	5.8

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

## Maricopa County Five-Year Health Trends

**Table 2.10a Infant Mortality by Age of Mother, 2007-2011 (Linked)**

Age of Mother	Number of Infant Deaths					
	2007	2008	2009	2010	2011	Total
<20	52	62	44	37	45	240
20-29	213	187	176	176	164	916
30-39	124	109	92	84	86	495
40 and Older	13	16	11	8	11	59
Total	402	374	323	305	305	1,709

**Table 2.10b Infant Mortality Rates by Age of Mother, 2007-2011 (Linked)**  
**Infant Mortality per 1,000 Live Births**

Age of Mother	Infant Mortality Rate per 1,000 Live Births					
	2007	2008	2009	2010	2011	Total
<20	6.7	6.1	7.0	6.9	9.4	7.6
20-29	6.0	5.3	5.8	6.2	5.9	5.9
30-39	5.9	4.5	4.7	4.4	4.5	5.0
40 and Older	9.8	7.9	7.6	5.6	7.2	8.1
Total	6.1	6.0	5.6	5.6	5.7	5.8

**Table 2.11a Infant Mortality by Educational Level of Mother, 2007-2011 (Linked)**

Education Level of Mother	Number of Infant Deaths					
	2007	2008	2009	2010	2011	Total
Less Than 6 <sup>th</sup> Grade	11	9	5	3	5	33
6 <sup>th</sup> – 11 <sup>th</sup> Grade	133	103	83	79	70	468
High School Diploma	105	139	114	94	106	558
College or Higher	142	118	119	124	118	621
Unknown	11	5	2	5	6	29
Total	402	374	323	305	305	1,709

**Table 2.11b Infant Mortality Rates by Educational Level of Mother, 2007-2011 (Linked)**  
**Infant Mortality per 1,000 Live Births**

Education Level of Mother	Infant Mortality Rate per 1,000 Live Births					
	2007	2008	2009	2010	2011	Total
Less Than 6 <sup>th</sup> Grade	9.5	8.9	6.4	4.1	7.8	7.6
6 <sup>th</sup> – 11 <sup>th</sup> Grade	7.2	6.3	6.1	7.0	7.0	6.7
High School Diploma	5.8	7.9	7.0	6.0	7.0	6.7
College or Higher	5.2	4.3	4.5	4.7	4.4	4.6
Unknown	13.7	9.2	6.5	14.7	7.5	10.4
Total	6.1	6.0	5.6	5.6	5.7	5.8

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

**Maricopa County Five-Year Health Trends**

**Table 2.12a Infant Mortality by Birthweight, 2007-2011 (Linked)**

Birthweight	Number of Infant Deaths					
	2007	2008	2009	2010	2011	Total
<1500 Grams	199	189	174	152	162	876
1500-2499 Grams	63	64	44	40	50	261
2500-4249 Grams	136	118	100	109	86	549
>4249 Grams	4	3	4	3	6	20
Unknown	0	0	1	1	1	3
Total	402	374	323	305	305	1,709

**Table 2.12b Infant Mortality Rates by Birthweight, 2007-2011 (Linked)**  
**Infant Mortality per 1,000 Live Births**

Birthweight	Infant Mortality Rate per 1,000 Live Births					
	2007	2008	2009	2010	2011	Total
<1500 Grams	243.3	264.7	252.2	264.3	246.2	253.5
1500-2499 Grams	16.4	17.5	12.8	12.2	16.3	15.1
2500-4249 Grams	2.3	2.1	1.9	2.2	1.8	2.1
>4249 Grams	1.9	1.6	2.4	1.9	3.6	2.2
Unknown	0	0	200.0	250.0	200.0	125.0
Total	6.1	6.0	5.6	5.6	5.7	5.8

**Table 2.13 Infant Mortality and Rates by Age of Infant, 2007-2011 (Linked & Unlinked)**

Number of Infant Deaths		2007	2008	2009	2010	2011
Linked Data	Neonatal (≤ 28 Days)	286	254	220	198	203
	Postnatal (> 28 Days)	116	120	103	107	102
	Total	402	374	323	305	305
Unlinked Data	Neonatal (≤ 28 Days)	297	257	222	200	203
	Postnatal (> 28 Days)	120	124	107	111	105
	Total	417	381	329	311	308
Infant Mortality Rates per 1,000 Live Births		2007	2008	2009	2010	2011
Linked Data	Neonatal (≤ 28 Days)	4.3	4.1	3.8	3.7	3.8
	Postnatal (> 28 Days)	1.8	1.9	1.8	2.0	1.9
	Total	6.1	6.0	5.6	5.6	5.7
Unlinked Data	Neonatal (≤ 28 Days)	4.5	4.1	3.9	3.7	3.8
	Postnatal (> 28 Days)	1.8	2.0	1.9	2.0	2.0
	Total	6.3	6.1	5.7	5.7	5.8

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

## Maricopa County Five-Year Health Trends

**Table 2.14a Infant Mortality by Age of Infant and Race/Ethnicity of Mother, 2007-2011  
(Linked)**

Linked Infant Mortality-Number of Infant Deaths		2007	2008	2009	2010	2011
Neonatal (≤ 28 Days)	White	107	91	82	75	86
	Hispanic	142	100	84	83	79
	African American	23	33	28	23	22
	American Indian	6	5	11	5	3
	Asian	8	24	14	0	0
	Other/Unknown	0	0	1	12	13
	Total	286	254	220	198	203
Postnatal (> 28 Days)	White	52	53	47	38	40
	Hispanic	43	41	34	44	41
	African American	14	18	17	13	8
	American Indian	4	3	2	5	8
	Asian	2	4	3	1	1
	Other/Unknown	0	1	0	6	4
	Total	116	120	103	107	102

**Table 2.14b Infant Mortality Rates by Age of Infant and Race/Ethnicity of Mother,  
2007-2011 (Linked) Infant Mortality per 1,000 Live Births**

Linked Infant Mortality-Infant Mortality Rate per 1,000 Live Births		2007	2008	2009	2010	2011
Neonatal (≤ 28 Days)	White	4.0	3.5	3.3	3.1	3.5
	Hispanic	4.5	3.5	3.3	3.7	3.7
	African American	7.6	10.5	8.7	7.2	6.9
	American Indian	3.1	2.7	6.4	3.2	1.9
	Asian	3.2	9.8	6.0	0	0
	Other/Unknown	-	-	-	-	-
	Total	4.3	4.1	3.8	3.7	3.8
Postnatal (> 28 Days)	White	1.9	2.0	1.9	1.6	1.6
	Hispanic	1.4	1.4	1.3	2.0	1.9
	African American	4.6	5.7	5.3	4.0	2.5
	American Indian	2.1	1.6	1.2	3.2	5.0
	Asian	0.8	1.6	1.3	0.4	0.4
	Other/Unknown	-	-	-	-	-
	Total	1.8	1.9	1.8	2.0	1.9

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

## Maricopa County Five-Year Health Trends

**Table 2.154a Infant Mortality by Race/Ethnicity of Infant, 2007-2011 (Unlinked)**

Race/Ethnicity of Infant	Number of Infant Deaths					
	2007	2008	2009	2010	2011	Total
White	132	122	122	90	104	570
Hispanic	225	167	131	150	146	819
African American	40	51	53	35	27	206
American Indian	9	8	11	6	7	41
Asian	7	20	12	3	3	45
Other/Unknown	0	2	0	27	11	40
Total	417	370	329	311	308	1,735

**Table 2.15b Infant Mortality Rates by Race/Ethnicity of Infant, 2007-2011 (Unlinked)**  
**Infant Mortality per 1,000 Live Births**

Race/Ethnicity of Infant	Infant Mortality Rate per 1,000 Live Births				
	2007	2008	2009	2010	2011
White	4.9	4.6	4.9	3.7	4.2
Hispanic	7.2	5.8	5.1	6.7	6.9
African American	13.2	16.3	16.5	10.9	8.5
American Indian	4.7	4.2	6.4	3.8	4.4
Asian	2.8	8.2	5.1	1.3	1.2
Other/Unknown	-	-	-	-	-
Total	6.3	6.0	5.7	5.7	5.8

Note: See Technical Notes at the end of this report for an explanation of linked and unlinked data.

**Maricopa County Five-Year Health Trends**

**Table 2.16a Primary Diagnosis Groups, Inpatient Hospitalizations, 2007-2011  
Number of Discharges**

Primary Diagnosis		Number of Inpatient Discharges					Total
		2007	2008	2009	2010	2011	
Infectious and parasitic diseases	Septicemia	5,612	6,838	7,713	9,482	12,849	42,494
	Other Infectious and parasitic diseases	7,048	7,164	7,511	7,962	7,492	37,177
	All	12,660	14,002	15,224	17,444	20,341	79,671
Neoplasms	Neoplasms - Other Malignant	8,729	8,726	8,625	8,501	1,284	35,865
	Malignant Neoplasm of large intestine & rectum	1,417	1,392	1,380	1,341	1,369	6,899
	Malignant neoplasm of trachea, bronchus & lung	1,467	1,499	1,548	1,499	692	6,705
	Malignant neoplasm of breast	679	706	768	770	3,215	6,138
	Neoplasms - Benign	3,834	3,793	3,850	3,595	8,227	23,299
	Neoplasms - Other	484	540	611	612	668	2,915
	All	16,610	16,656	16,782	16,318	15,455	81,821
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	5,503	5,678	6,258	6,378	6,793	30,610
	Volume depletion (dehydration)	181	191	195	235	229	1,031
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	7,653	8,865	9,077	8,558	8,437	42,590
	All	13,337	14,734	15,530	15,171	15,459	74,231
Diseases of the blood and blood-forming organs	Diseases of the blood and blood-forming organs	3,731	3,829	4,255	4,618	51	16,484
Mental disorders	Psychoses	7,399	7,384	7,254	7,506	9,117	38,660
	Alcohol dependence syndrome	255	272	426	424	598	1,975
	Other Mental disorders	1,654	1,563	1,721	1,906	2,066	8,910
	All	9,308	9,219	9,401	9,836	11,781	49,545
Diseases of the nervous system and sense organs	Diseases of the nervous system and sense organs	7,823	8,863	9,150	9,916	10,346	46,098

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.16a Continued)

Primary Diagnosis		Number of Inpatient Discharges					Total
		2007	2008	2009	2010	2011	
Diseases of the circulatory system	Heart disease	7,097	9,564	10,584	11,590	12,010	50,845
	Acute myocardial infarction	5,169	5,293	5,107	5,360	5,271	26,200
	Coronary atherosclerosis	10,972	10,150	9,395	7,593	6,172	44,282
	Other ischemic heart disease	369	331	344	335	333	1,712
	Cardiac dysrhythmias	8,042	8,975	9,031	9,466	9,386	44,900
	Congestive heart failure	6,058	3,742	2,746	2,280	1,514	16,340
	Cerebrovascular disease	9,446	9,932	9,935	10,179	10,092	49,584
	Other Diseases of the circulatory system	10,019	10,724	11,067	11,373	10,916	54,099
	All	57,172	58,711	58,209	58,176	55,694	287,962
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	2,466	2,805	2,774	3,148	3,162	14,355
	Pneumonia	9,461	9,673	10,527	10,077	10,096	49,834
	Chronic bronchitis	3,392	4,580	5,020	5,230	5,550	23,772
	Asthma	4,343	4,895	5,528	5,327	4,831	24,924
	Other Diseases of the respiratory system	9,692	11,080	12,035	10,738	11,532	55,077
	All	29,354	33,033	35,884	34,520	35,171	167,962
Diseases of the digestive system	Appendicitis	5,108	5,189	5,202	5,061	4,640	25,200
	Noninfectious enteritis and colitis	3,391	3,417	3,675	4,031	3,938	18,452
	Cholelithiasis	655	621	665	896	886	3,723
	Other Diseases of the digestive system	30,534	31,317	33,629	36,017	35,587	167,084
	All	39,688	40,544	43,171	46,005	45,051	214,459
Diseases of the genitourinary system	Calculus of kidney and ureter	1,756	2,068	2,338	2,663	2,707	11,532
	Other Diseases of the genitourinary system	19,915	20,664	20,755	20,304	19,423	101,061
	All	21,671	22,732	23,093	22,967	22,130	112,593

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.16a Continued)

Primary Diagnosis		Number of Inpatient Discharges					Total
		2007	2008	2009	2010	2011	
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	7,602	8,184	8,587	9,198	9,277	42,848
	Other Diseases of the skin and subcutaneous tissue	1,128	1,195	1,272	1,311	1,294	6,200
	All	8,730	9,379	9,859	10,509	10,571	49,048
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	8,932	9,317	10,146	10,796	10,815	50,006
	Intervertebral disc disorders	2,763	2,786	2,998	3,176	2,981	14,704
	Other - Diseases of the musculoskeletal system and connective tissue	8,707	9,072	9,375	10,266	9,872	47,292
	All	20,402	21,175	22,519	24,238	23,668	112,002
Congenital anomalies	Congenital anomalies	1,881	1,855	1,812	1,578	41	7,167
Certain conditions originating in the perinatal period	Certain conditions originating in the perinatal period	2,971	2,817	2,462	2,130	65	10,445
Symptoms, signs, and ill-defined conditions	Other Symptoms, signs, and ill-defined conditions	22,652	22,229	21,354	23,295	196	89,726
Injury and poisoning	Fracture of neck of femur	3,075	3,163	3,319	3,326	10,007	22,890
	Fractures, all other sites	9,504	9,240	9,749	10,020	3,441	41,954
	Poisonings	3,704	4,104	4,304	4,601	4,774	21,487
	Other Injury and poisoning	21,055	20,539	21,714	22,952	22,279	108,539
	All	37,338	37,046	39,086	40,899	40,501	194,870
Other healthcare encounters	Rehab Services	3,498	3,570	5,293	4,142	3,242	19,745
	Other healthcare encounters	3,242	3,168	3,242	2,978	2,922	15,552
	All	6,740	6,738	8,535	7,120	6,164	35,297
Unknown		29	0	1	1	0	0
<b>Total</b>		308,259	312,068	323,563	336,327	344,740	341,412

**Maricopa County Five-Year Health Trends**

**Table 2.16b Primary Diagnosis Groups, Inpatient Hospitalizations, 2007-2011  
Crude Hospitalization Rate per 100,000 Residents**

Primary Diagnosis		Rate of Inpatient Discharges				
		2007	2008	2009	2010	2011
Infectious and parasitic diseases	Septicemia	151.2	181.3	202.8	248.4	331.1
	Other Infectious and parasitic diseases	189.9	190.0	197.5	208.6	193.1
	All	341.1	371.3	400.2	457.0	524.2
Neoplasms	Neoplasms - Other Malignant	235.2	231.4	226.7	222.7	33.1
	Malignant Neoplasm of large intestine & rectum	38.2	36.9	36.3	35.1	35.3
	Malignant neoplasm of trachea, bronchus & lung	39.5	39.8	40.7	39.3	17.8
	Malignant neoplasm of breast	18.3	1.7	20.2	20.2	82.9
	Neoplasms - Benign	103.3	100.6	101.2	94.2	212.0
	Neoplasms - Other	13.0	14.3	16.1	16.0	17.2
	All	447.5	441.7	441.2	427.5	398.3
	All	447.5	441.7	441.2	427.5	398.3
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	148.3	150.6	164.5	167.1	175.1
	Volume depletion (dehydration)	4.9	5.1	5.1	6.2	5.9
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	206.2	235.1	238.6	224.2	217.4
	All	359.3	390.7	408.3	397.4	398.4
Diseases of the blood and blood-forming organs	Diseases of the blood and blood-forming organs	100.5	101.5	111.9	121.0	120.7
Mental disorders	Psychoses	199.3	195.8	190.7	196.6	235.0
	Alcohol dependence syndrome	6.9	7.2	11.2	11.1	15.4
	Other Mental disorders	44.6	41.4	45.2	49.9	53.2
	All	250.8	244.5	247.1	257.7	303.6
Diseases of the nervous system and sense organs	Diseases of the nervous system and sense organs	210.8	235.0	240.6	259.8	266.6

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.16b Continued)

Primary Diagnosis		Rate of Inpatient Discharges				
		2007	2008	2009	2010	2011
Diseases of the circulatory system	Heart disease	191.2	253.6	278.2	303.6	309.5
	Acute myocardial infarction	139.3	140.4	134.3	140.4	135.8
	Coronary atherosclerosis	295.6	269.2	247.0	198.9	159.1
	Other ischemic heart disease	9.9	8.8	9.0	8.8	8.6
	Cardiac dysrhythmias	216.7	238.0	237.4	248.0	241.9
	Congestive heart failure	163.2	99.2	72.2	59.7	39.0
	Cerebrovascular disease	254.5	263.4	261.2	266.7	260.1
	Other Diseases of the circulatory system	269.9	284.4	290.9	297.9	281.3
	All	1,540.20	1,556.90	1,530.30	1,524.10	1,435.3
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	66.4	74.4	72.9	82.5	81.5
	Pneumonia	254.9	256.5	276.8	264.0	260.2
	Chronic bronchitis	91.4	121.5	132.0	137.0	143.0
	Asthma	117.0	129.8	145.3	139.6	124.5
	Other Diseases of the respiratory system	261.1	293.8	316.4	281.3	297.2
	All	790.8	876	943.4	904.3	906.4
Diseases of the digestive system	Appendicitis	137.6	137.6	136.8	132.6	119.6
	Noninfectious enteritis and colitis	91.4	90.6	96.6	105.6	101.5
	Cholelithiasis	17.6	16.5	17.5	23.5	22.8
	Other Diseases of the digestive system	822.6	830.5	884.1	943.6	917.1
	All	1,069.2	1,075.1	1,135.0	1,205.2	1,161.0
Diseases of the genitourinary system	Calculus of kidney and ureter	47.3	54.8	61.5	69.8	69.8
	Other Diseases of the genitourinary system	536.5	548.0	545.6	531.9	500.6
	All	583.8	602.8	607.1	601.7	570.3
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	204.8	217.0	225.7	241.0	239.1
	Other Diseases of the skin and	30.4	31.7	33.4	34.3	33.3
	All	235.2	248.7	259.2	275.3	272.4
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	240.6	247.1	266.7	282.8	309.5
	Intervertebral disc disorders	74.4	73.9	78.8	83.2	135.8
	Other - Diseases of the musculoskeletal	234.6	240.6	246.5	268.9	159.1
	All	549.6	561.5	592.0	635.0	8.6

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.16b Continued)

Primary Diagnosis		Rate of Inpatient Discharges				
		2007	2008	2009	2010	2011
Congenital anomalies	Congenital anomalies	50.7	49.2	47.6	41.3	278.7
Certain conditions originating	Certain conditions originating in the perinatal	80.0	74.7	64.7	55.8	76.8
Symptoms, signs, and ill-	Other Symptoms, signs, and ill-defined	610.2	589.5	561.4	610.3	254.4
Injury and poisoning	Fracture of neck of femur	82.8	83.9	87.3	87.1	610.0
	Fractures, all other sites	256	245	256.3	262.5	45.8
	Poisonings	99.8	108.8	113.2	120.5	49.6
	Other Injury and poisoning	567.2	544.6	570.9	601.3	533.4
	All	1,005.9	982.4	1,027.6	1,071.5	257.9
Other healthcare encounters	Rehab Services	94.2	94.7	139.2	108.5	88.7
	Other healthcare encounters	87.3	84	85.2	78	123.0
	All	181.6	178.7	224.4	186.5	574.2
Unknown	Unknown	0	0.0	0.0	0	0
<b>Total</b>		<b>8,407.1</b>	<b>8,580.2</b>	<b>8,841.9</b>	<b>9,031.4</b>	<b>8,798.7</b>

**Maricopa County Five-Year Health Trends**

**Table 2.17a Primary Diagnosis Groups, Emergency Department, 2007-2011  
Number of Visits**

Primary Diagnosis		Number of Emergency Department Visits					Total
		2007	2008	2009	2010	2011	
Infectious and parasitic diseases	Septicemia	87	91	77	104	125	484
	Other Infectious and parasitic	24,462	24,818	30,090	22,126	23,130	124,626
	All	24,549	24,909	30,167	22,230	23,255	125,110
Neoplasms	Neoplasms - Other Malignant	353	282	324	355	405	1,719
	Malignant Neoplasm of large intestine & rectum	26	24	13	33	36	132
	Malignant neoplasm of trachea, bronchus & lung	65	63	80	70	99	377
	Malignant neoplasm of breast	23	24	35	33	25	140
	Neoplasms - Benign	530	473	533	582	629	2,747
	Neoplasms - Other	108	116	101	91	141	557
	All	1,105	982	1,086	1,164	1,335	5,672
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	5,135	5,299	5,370	5,407	5,913	27,124
	Volume depletion (dehydration)	38	35	24	37	67	201
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	8,709	9,513	9,301	9,122	10,086	46,731
	All	13,882	14,847	14,695	14,566	16,066	74,056
Diseases of the blood and blood-forming organs	Diseases of the blood and blood-forming organs	2,620	2,880	2,940	3,167	3,517	15,124
Mental disorders	Other Mental disorders	18,973	19,661	20,863	24,344	6,723	90,564
	Psychoses	4,347	4,584	4,836	5,893	1,803	21,463
	Alcohol dependence syndrome	1,139	1,239	1,201	1,483	26,108	31,170
	All	24,459	25,484	26,900	31,720	34,634	143,197
Diseases of the nervous system and sense organs	Diseases of the nervous system and sense organs	61,235	64,280	63,634	61,737	66,872	317,758

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.17a Continued)

Primary Diagnosis		Number of Emergency Department Visits					Total
		2007	2008	2009	2010	2011	
Diseases of the circulatory system	Heart disease	390	449	452	484	759	2,534
	Acute myocardial infarction	359	390	371	364	441	1,925
	Coronary atherosclerosis	92	249	267	458	640	1,706
	Other ischemic heart disease	452	518	481	496	553	2,500
	Cardiac dysrhythmias	4,381	4,673	4,567	4,763	5,482	23,866
	Congestive heart failure	1,249	1,128	995	1,028	1,132	5,532
	Cerebrovascular disease	1,526	1,534	1,497	1,616	2,169	8,342
	Other Diseases of the circulatory system	10,117	10,995	11,339	12,204	13,987	58,642
	All	18,566	19,936	19,969	21,413	25,163	105,047
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	12,429	15,174	15,160	12,915	14,986	70,664
	Pneumonia	11,943	11,740	14,087	11,944	12,097	61,811
	Chronic bronchitis	1,705	1,938	1,754	1,976	2,419	9,792
	Asthma	14,974	15,581	16,428	16,174	16,263	79,420
	Other Diseases of the respiratory system	65,915	68,978	83,517	63,189	72,370	353,969
	All	106,966	113,411	130,946	106,198	118,135	575,656
Diseases of the digestive system	Appendicitis	572	712	749	1,016	1,655	4,704
	Noninfectious enteritis and colitis	10,517	11,353	10,930	10,856	10,367	54,023
	Cholelithiasis	61	88	89	91	156	485
	Other Diseases of the digestive system	43,552	44,699	46,634	48,672	53,868	237,425
	All	54,702	56,852	58,402	60,635	66,046	296,637
Diseases of the genitourinary system	Calculus of kidney and ureter	10,435	10,751	10,868	10,705	11,301	54,060
	Other Diseases of the genitourinary system	50,893	51,543	53,002	55,414	59,082	269,934
	All	61,328	62,294	63,870	66,119	70,383	323,994
Complications of pregnancy, childbirth, & the puerperium	32,139	31,401	30,830	29,694	32,458	156,522	
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	25,006	24,534	23,835	24,405	24,616	122,396
	Other Diseases of the skin and subcutaneous tissue	16,683	17,061	16,783	17,081	17,796	85,404
	All	41,689	41,595	40,618	41,486	42,412	207,800

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.17a Continued)

Primary Diagnosis		Number of Emergency Department Visits					Total
		2007	2008	2009	2010	2011	
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	516	535	507	559	583	2,700
	Intervertebral disc disorders	940	1,076	1,085	1,089	1,267	5,457
	Other - Diseases of the musculoskeletal system and connective tissue	63,785	66,502	68,997	73,763	79,186	352,233
	All	65,241	68,113	70,589	75,411	81,036	360,390
Congenital anomalies	Congenital anomalies	286	305	301	274	325	1,491
Certain conditions originating in the perinatal period	Certain conditions originating in the perinatal period	2,037	1,998	1,697	1,658	1,717	9,107
Symptoms, signs, and ill-defined conditions	Headache	20,129	21,314	23,120	25,007	25,695	115,265
	Abdominal Pain	53,742	59,165	61,377	69,326	75,638	319,248
	Chest Pain	31,287	37,265	39,610	45,259	55,610	209,031
	Fever	19,847	20,047	25,805	17,805	18,238	101,742
	Nausea/vomiting	18,247	18,656	20,888	22,293	22,689	102,773
	Other Symptoms, signs, and ill-defined conditions	74,646	79,225	82,578	84,673	95,746	416,868
	All	217,898	235,672	253,378	264,363	293,616	1,264,927
Injury and poisoning	Fracture of neck of femur	257	236	209	207	30,503	31,412
	Fractures, all sites	31,361	31,389	30,333	30,882	200	124,165
	Poisonings	9,229	9,607	10,320	10,797	11,530	51,483
	Injury and poisoning	195,392	194,242	196,842	201,705	206,213	994,394
	All	236,239	235,474	237,704	243,591	248,446	1,201,454
Newborn Infant	Newborn Infant	14	8	5	13	6	46
Other Healthcare Encounters	Other Healthcare Encounters	21,630	21,056	23,137	23,947	27,128	116,898
Unknown		24	18	1	2	0	45
<b>Total</b>		986,609	1,021,515	1,070,869	1,069,388	1,152,550	5,300,931

## Maricopa County Five-Year Health Trends

**Table 2.17b Primary Diagnosis Groups, Emergency Department, 2007-2011  
Crude Rates per 100,000 Residents**

Primary Diagnosis		Rate of Emergency Department Visits				
		2007	2008	2009	2010	2011
Infectious and parasitic diseases	Septicemia	2.3	2.4	2.0	2.7	3.2
	Other Infectious and parasitic diseases	659.0	658.1	791.1	579.7	596.1
	All	661.3	660.5	793.1	582.4	599.3
Neoplasms	Neoplasms - Other Malignant	9.5	7.5	8.5	9.3	10.4
	Malignant Neoplasm of large intestine & rectum	0.7	0.6	0.3	0.9	0.9
	Malignant neoplasm of trachea, bronchus & lung	1.8	1.7	2.1	1.8	2.6
	Malignant neoplasm of breast	0.6	0.6	0.9	0.9	0.6
	Neoplasms - Benign	14.3	12.5	14.0	15.2	16.2
	Neoplasms - Other	2.9	3.1	2.7	2.4	3.6
	All	29.8	26.0	28.6	30.5	34.4
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	138.3	140.5	141.2	141.7	152.4
	Volume depletion (dehydration)	1.0	0.9	0.6	1.0	1.7
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	234.6	252.3	244.5	239.0	259.9
	All	374.0	393.7	386.3	381.6	414.0
Diseases of the blood and blood-forming organs	Diseases of the blood and blood-forming organs	70.6	76.4	77.3	83.0	90.6
Mental disorders	Psychoses	117.1	121.6	127.1	154.4	173.3
	Alcohol dependence syndrome	30.7	32.9	31.6	38.9	46.5
	Other Mental disorders	511.1	521.4	548.5	637.8	672.8
	All	658.9	675.8	707.2	831.0	892.6
Diseases of the nervous system and sense organs	Diseases of the nervous system and sense organs	1,649.7	1,704.6	1,672.9	1,617.4	1,723.4

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.17b Continued)

Primary Diagnosis		Rate of Emergency Department Visits				
		2007	2008	2009	2010	2011
Diseases of the circulatory system	Heart disease	10.5	11.9	11.9	12.7	19.6
	Acute myocardial infarction	9.7	10.3	9.8	9.5	11.4
	Coronary atherosclerosis	2.5	6.6	7.0	12.0	16.5
	Other ischemic heart disease	12.2	13.7	12.6	13.0	14.3
	Cardiac dysrhythmias	118.0	123.9	120.1	124.8	141.3
	Congestive heart failure	33.6	29.9	26.2	26.9	29.2
	Cerebrovascular disease	41.1	40.7	39.4	42.3	55.9
	Other Diseases of the circulatory system					
	All	272.6	291.6	298.1	319.7	360.5
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	334.8	402.4	398.6	338.3	386.2
	Pneumonia	321.7	311.3	370.3	312.9	311.8
	Chronic bronchitis	45.9	51.4	46.1	51.8	62.3
	Asthma	403.4	413.2	431.9	423.7	419.1
	Other Diseases of the respiratory system					
	All	1,775.7	1,829.1	2,195.6	1,655.4	1,865.1
Diseases of the digestive system	Appendicitis	15.4	18.9	19.7	26.6	42.7
	Noninfectious enteritis and colitis	283.3	301.1	287.3	284.4	267.2
	Cholelithiasis	1.6	2.3	2.3	2.4	4.0
	Other Diseases of the digestive system	1,173.3	1,185.3	1,226.0	1,275.1	1,388.3
	All	1,473.7	1,507.6	1,535.4	1,588.5	1,702.1
Diseases of the genitourinary system	Calculus of kidney and ureter	281.1	285.1	285.7	280.4	291.2
	Other Diseases of the genitourinary system					
	All	1,371.1	1,366.8	1,393.4	1,451.7	1,522.6
Complications of pregnancy, childbirth, & the puerperium	Complications of pregnancy, childbirth, & the puerperium					
	All	865.8	832.7	810.5	777.9	836.5

(Continued)

## Maricopa County Five-Year Health Trends

(Table 2.17b Continued)

Primary Diagnosis		Rate of Emergency Department Visits				
		2007	2008	2009	2010	2011
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	673.7	650.6	626.6	639.4	634.4
	Other Diseases of the skin and subcutaneous tissue	449.4	452.4	441.2	447.5	458.6
	All	1,123.1	1,103.0	1,067.8	1,086.8	1,093.0
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	13.9	14.2	13.3	14.6	15.0
	Intervertebral disc disorders	25.3	28.5	28.5	28.5	32.7
	Other - Diseases of the musculoskeletal system and connective tissue	1,718.4	1,763.5	1,813.9	1,932.4	2,040.7
	All	1,757.6	1,806.2	1,855.8	1,975.6	2,088.4
Congenital anomalies	Congenital anomalies	7.7	8.1	7.9	7.2	8.4
Certain conditions originating in the perinatal period	Certain conditions originating in the perinatal period	54.9	53.0	44.6	43.4	44.2
Symptoms, signs, and ill-defined conditions	Headache	542.3	565.2	607.8	655.1	662.2
	Abdominal Pain	1,447.8	1,568.9	1,613.6	1,816.2	1,949.3
	Chest Pain	842.9	988.2	1,041.3	1,185.7	1,433.2
	Fever	534.7	531.6	678.4	466.5	470.0
	Nausea/vomiting	491.6	494.7	549.1	584.0	584.7
	Other Symptoms, signs, and ill-defined conditions	2,011.0	2,100.9	2,170.9	2,218.2	2,467.5
	All	5,870.2	6,249.5	6,661.2	6,925.7	7,566.9
Injury and poisoning	Fracture of neck of femur	6.9	6.3	5.5	5.4	786.1
	Fractures, all other sites	844.9	832.4	797.4	809.0	5.2
	Poisonings	248.6	254.8	271.3	282.9	297.1
	Other Injury and poisoning	5,263.9	5,150.9	5,174.9	5,284.2	5,314.4
	All	6,364.3	6,244.2	6,249.2	6,381.5	6,402.8
Newborn Infant	Newborn Infant	0.4	0.2	0.1	0.3	0.2
Other Healthcare	Other Healthcare Encounters	582.7	558.4	608.3	627.4	699.1
Unknown		0.6	0.5	0	0.1	0
<b>Total</b>		<b>26,579.2</b>	<b>27,088.3</b>	<b>28,152.8</b>	<b>28,015.6</b>	<b>29,703.0</b>

### **III. Technical Notes**

#### **Population Statistics**

Population statistics are shown in Tables **1.01** through **1.11**. This report used the most recent U.S. Census data and estimates for population figures at the time of analysis.

- The Maricopa County population for 2001 through 2009 is from the U.S. Census Bureau, 2000-2010 Intercensal Population Estimates by Age, Sex, Race and Hispanic Origin released October 2012. This is at [Population Estimates: County Intercensal Estimates \(2000-2010\): Annual Population Estimates - U.S Census Bureau](http://www.census.gov/popest/data/counties/asrh/2011/files/CC-EST2011-6RACE-04.csv). The population for 2010 is from the U.S. Census Bureau, 2010 Census by Age, Sex, Race and Hispanic Origin released July 21, 2011. This is at [http://www2.census.gov/census\\_2010/03-Demographic\\_Profile/Arizona/az2010.dp.zip](http://www2.census.gov/census_2010/03-Demographic_Profile/Arizona/az2010.dp.zip). The population for 2011 is from the U.S. Census Bureau, County Population Estimates by Age, Sex, Race, and Hispanic Origin for July 1, 2011 released May 2012. This is at <http://www.census.gov/popest/data/counties/asrh/2011/files/CC-EST2011-6RACE-04.csv>.
- The Arizona population for 2001 through 2009 is from the U.S. Census Bureau, 2000-2010 Intercensal Population Estimates and can be found <http://www.census.gov/popest/data/intercensal/state/ST-EST00INT-02.html>. The population for 2010 is from the U.S. Census Bureau 2010 Census and can be found [http://www2.census.gov/census\\_2010/03-Demographic\\_Profile/Arizona/az2010.dp.zip](http://www2.census.gov/census_2010/03-Demographic_Profile/Arizona/az2010.dp.zip). The population for 2011 is from the U.S. Census Bureau, State Population Estimates by Age, Sex, Race, and Hispanic Origin for July 1, 2011 released December 2011. This is at <http://www.census.gov/popest/data/state/totals/2011/index.html>.
- The Phoenix population for 2001-2009 is from [http://www.census.gov/popest/cities/files/SUB-EST2009\\_ALL.csv](http://www.census.gov/popest/cities/files/SUB-EST2009_ALL.csv). The population for 2010 is from the U.S. Census Bureau 2010 Census and can be found [http://www2.census.gov/census\\_2010/03-Demographic\\_Profile/Arizona/az2010.dp.zip](http://www2.census.gov/census_2010/03-Demographic_Profile/Arizona/az2010.dp.zip). The population for 2011 is from the U.S. Census Bureau, City and Town Population Estimates by Age, Sex, Race, and Hispanic Origin for July 1, 2011 released June 2012. This is at [http://www.census.gov/popest/data/cities/totals/2011/files/SUB-EST2011\\_4.csv](http://www.census.gov/popest/data/cities/totals/2011/files/SUB-EST2011_4.csv).

The population estimates used in this report for 2007-2009 are from the U.S. Census and based on the Census 2000 and Census 2010 population. Previous reports used population estimates based only on the Census 2000 population. The population for a community, such as Maricopa County, changes as a result of births, deaths, and migration (moving into or out of the location). Although it is relatively easy to measure the change in population due to births and deaths, it is more difficult to measure the change due to migration. Due to this difficulty, previous reports used an overestimation of the population. Many of the rates shown use population estimates as the denominator (e.g., 50 cases of disease for every 100,000 people). Therefore, a rate that uses an overestimated population will make the disease burden appear smaller than it truly is and vice versa. If comparing the rates reported in this report to the rates reported in earlier reports, they may see an increase in the rates for each year. Rates reported in this report are more reliable than rates reported in previous reports for 2007 through 2009.

The intercensal population estimates for 2007-2009 were revised in October 2012 from the originally published numbers in September 2011. The overall total populations for each year were not revised, rather the population totals for specific demographical groups were revised. Therefore, the population numbers published in the 2001-2010 Ten Year Health Trends are different from the population numbers published in this report. The total population rates for 2007-2009 did not change.

This report defines “Hispanic” as all respondents listing Hispanic, either alone or in combination with any race. The Hispanic and American Indian categories in this report are slightly different

from previous Maricopa County Health Status Reports. Previously, American Indians who identified their origin as either Hispanic or non-Hispanic were counted as American Indians. In this report, only American Indians who identified their origin as non-Hispanic were placed in the American Indian category. Hence, all individuals whose origin was Hispanic, regardless of race, were placed in the Hispanic group. In order to allow comparisons across years, the same method was used for all years (2007-2011) in this report. The table below shows how the U.S. Census variables of “origin” and “race” are used for categorization in this report.

<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	Race=3 (American Indian or Alaska Native Alone)	Origin=1 (Non-Hispanic)
Asian	Race=4 (Asian Alone) or 5 (Native Hawaiian or Other Pacific Islander Alone)	Origin=1 (Non-Hispanic)
Multiple	Race=6 (Two or More Races)	Origin=1 (Non-Hispanic)
Hispanic	Race=1,2,3,4,5,6	Origin=2 (Hispanic)

Census data is used to calculate rates for mortality, morbidity, and hospital discharge data. Any crude rate can be calculated by taking the number of events from any table in this report (for mortality, morbidity and hospital discharge) and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** through **1.10**. In tables where rates are shown, “0” means there were no cases 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 a couple conditions, Sudden Infant Death Syndrome (SIDS) in the mortality tables and Strep Group B in the morbidity tables are calculated differently. By definition, SIDS deaths and Strep Group B cases 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.

For both mortality and morbidity (communicable disease), rates for some racial/ethnic populations such as American Indians, Asians, and African Americans are high compared to other groups. Because these groups have relatively small populations in Maricopa County (under 150,000 residents as shown in Tables **1.01** through **1.10**), 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 actual number of cases or deaths in addition to the rates.

Tables **2.05b**, **2.09b**, **2.14b**, and **2.15b** do not provide a rate for the category labeled “Other/Unknown Race/Ethnicity.” Since the U.S. Census Bureau does not report data on people of ‘Other/Unknown Race/Ethnicity,’ there is no denominator to use for calculating the rate.

### **Mortality (Death) Statistics**

Mortality (death) statistics are shown in Tables **2.01a** through **2.03b**.

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 each year 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). One death in 2010 was voided and 3 infant deaths in 2011 were found to be fetal deaths and deleted. Therefore, the numbers presented in this report may not precisely match those presented by ADHS in other reports.

In Table **2.01a**, deaths due to unintentional injury 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). Table **2.02a** presents the number of deaths by year meeting the criteria for ‘complications of medical and surgical care.’

Tables **2.01a** through **2.02b** show sharp changes in the number and rates of deaths attributed to unintentional falls, unintentional poisonings, and motor vehicle accidents. These sharp changes have resulted in a shift in the order of leading causes of accidental deaths. Historically, motor vehicle accidents have been the most common, but in 2008 it dropped to the third highest rank for Maricopa County residents. These changes may be artifacts of the mortality specification and coding systems and not real changes in the actual incidence of these events or they may be due to changes in the incidence of these events. This decrease in motor vehicle accidents is being seen nationwide. Causes of death due to external events, as opposed to those intrinsically related to disease processes, are subject to many sources of variability:

- Causes of deaths may be translated into International Classification of Diseases, 10<sup>th</sup> Revision (ICD-1) codes by different method, i.e., electronically or manually
- The medical examiners’ specification of the sequence of the causes of death may change from year to year in systematic, non-random ways
- Changes in NCHS rules regarding the manner, or intentionality, of death may have caused misclassification of intentional injuries, such as suicides, as unintentional, or accidental injuries

Further investigation into the reasons for these changes for the other causes of death is ongoing.

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, Tenth Revision (ICD-10). Causes of death are classified by ICD-10 codes. The codes used for each category are listed in Table **3.2** below.

**Table 3.2 ICD-10 Codes Used for This Report**

<b>Cause</b>	<b>ICD-10 Codes Used</b>
<i>Clostridium difficile</i>	A04.7
Salmonella & Other Intestinal Infections	A01-A04.6, A04.8-A04.9 A06-A09
Tuberculosis	A16-A19
Septicemia	A40-A41
Syphilis	A50-A53
HIV Disease	B20-B24
Viral Hepatitis	B15-B19
Coccidioidomycosis	B38
Other Mycoses	B35-B37, B39-B49

(Table Continues)

(Table 3.2, Continued)

Malignant Neoplasms (Cancer)	C00-C97
Malignant Neoplasm of the Lip, Oral Cavity, and Pharynx	C00-C14
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 Melanoma of Skin	C43
Malignant Neoplasm of the Breast	C50
Malignant Neoplasm of the Uterus, Cervix, Ovary	C53-C56
Malignant Neoplasm of the Ovary	C56
Malignant Neoplasm of the Prostate	C61
Malignant Neoplasm of the Testes	C62
Malignant Neoplasm of Urinary Organs	C64-C68
Malignant Neoplasm of the Meninges, Brain, and Central Nervous System	C70-C72
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
Anemias	D56-D64
Diabetes	E10-E14
Nutritional Deficiencies	E40-E64
Obesity	E66
Mental & Behavioral Disorders Due to the Use of Alcohol	F10
Parkinson's Disease	G20-G21
Alzheimer's	G30
Multiple Sclerosis	G35
Epilepsy	G40-G41
Major Cardiovascular Disease	I00-I78
Disease of Heart	I00-I09, I11, I13, I20-I51
Hypertensive Heart Disease	I11, I13
Ischemic Heart Disease	I20-I25
Acute Myocardial Infarction	I21-I22
Other Heart Disease	I00-I09, I26-I51
Congestive Heart Failure	I50
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
Emphysema	J43
Asthma	J45-J46
Peptic Ulcer	K25-K28
Liver Disease, including chronic liver disease, cirrhosis, alcoholic liver disease, and other chronic	K70, K73-K74

(Table Continues)

(Table 3.2, Continued)

liver disease	
Alcoholic Liver Disease	K70
Rheumatoid Arthritis	M05-M08
Lupus	M32
Osteoporosis	M80-M81
Nephritis, nephritic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Pregnancy, childbirth, and the puerperium	O00-O99
Perinatal Conditions	P00-P96
Disorders Related to Short Gestation and Low Birth Weight (LBW)	P07
Congenital Malformations	Q00-Q99
Congenital Malformations of the Circulatory System	Q20-Q28
Chromosomal Abnormalities	Q90-Q99
SIDS (Sudden Infant Death Syndrome)	R95
Ill Defined Disease Conditions (Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, excluding SIDS)	R00-R94, R96-R99
All Other Diseases	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-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
Exposure to Excessive Natural Heat	X30
Accidental Poisoning	X40-X49
Accidental Drowning (Excludes drowning involving water transportation)	W65-W74
Legal Intervention	Y35, Y890
Accidental Discharge of Firearms	W32-W34
Discharge of Firearms, Undetermined Intent	Y22-Y24
Complications of Medical & Surgical Care (Excludes accidental overdose of a drug or drugs administered in error)	Y40-Y84, Y88
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,

(Table Continues)

(Table 3.2, Continued)

	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

Only the underlying cause of death is used for classification in this report. Although other causes may have contributed to death, the underlying cause of death is the cause that began the disease process that resulted in death. The underlying causes of death chosen for this report are based on the 113 selected causes of death reported by NCHS in their annual report. Due to an increase in the number of deaths due to *Clostridium difficile*, NCHS has also added this cause of death to their 113 selected causes of death. A few additional causes of death, like coccidioidomycosis, have been selected due to their importance in Arizona.

Tables **2.03a** and **2.03b** 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 NCHS. Drug-related deaths are listed both with and without tobacco-related deaths, because tobacco is not often considered to be a drug in the colloquial sense.

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 underlying cause of death, i.e., death due to dehydration resulting from environmental exposure, with chronic drug use noted elsewhere on the certificate.

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.

In 2010, the Arizona Department of Health Service Office of Vitals Records modified the death certificate to meet the recommendations of the 2003 Standard developed by the National Center for Health Statistics. Two of the changes directly impacted the data presented in this report, deaths due to pregnancy and deaths involving tobacco. Each of these changes will be discussed further below.

The tobacco use question asks if the cause of death is related to tobacco use. The certifier can select "Yes," "No," "Probably," or "Unknown." If either "Yes" or "Probably" is selected, the death will then have an ICD-10 code for tobacco. This new question caused a sharp increase in the number of deaths that are drug-related including tobacco. This increase is not necessarily due to more deaths being related to tobacco use, but rather by a change in identifying deaths due to tobacco use.

The pregnancy status question asks the certifier to select if the female decedent was "Pregnant at time of death," "Not pregnant but pregnant within 42 days of death," "Not pregnant but pregnant 43 days to 1 year before death," or not pregnant. The certifier can also select "Unknown." In 2010, there was an increase in the number of deaths to women due to pregnancy. The increase is not necessarily due to more pregnancy-related deaths, but rather by a change in identifying deaths of women who were pregnant in the last year prior to death.

## **Communicable Disease (Morbidity) Statistics**

Communicable disease statistics are shown in Tables **2.04a** through **2.06**.

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. Other reports or press releases 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 Hansen's disease only, tables include residents from various counties in Arizona, regardless of where the disease was acquired.

All data on communicable diseases are new cases for each specific year from the ADHS final annual data files. There are several exceptions: data on genital herpes, gonorrhea, Chlamydia, syphilis, and Hansen's disease are from MCDPH data files.

Data on tuberculosis, STDs, HIV, and AIDS may differ from other reports published by MCDPH and ADHS. Data on these diseases are in databases that may have been updated during the time between reports.

Communicable disease data include only confirmed and probable cases, with the exception of: norovirus, RSV, Hansen's disease, tuberculosis, genital herpes, gonorrhea, syphilis, chlamydia, and HIV/AIDS. Data for norovirus, RSV, tuberculosis, genital herpes, gonorrhea, syphilis, chlamydia, and HIV/AIDS includes only confirmed cases. Data for Hansen's disease includes all confirmed, suspect, and probable cases diagnosed in Maricopa County, including diagnoses to non-county residents, as mentioned earlier.

Primary and secondary syphilis are shown as "Syphilis-Prim. and Sec." The "Syphilis - All others" category includes latent and congenital syphilis. These two categories can be added to determine the total number of syphilis cases. Congenital syphilis details may be found in Tables **2.05a** and **2.05b**.

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

Data can be classified by date of onset, date of diagnosis or date of report to the health department. All diseases/conditions listed in this report are classified by the date of report to the health department. The only exceptions are HIV, AIDS, and Hansen's disease which are classified by the 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.

Comparison of hepatitis B cases from 2007-2011 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.

A sharp decrease in the number of reported cases of genital herpes occurred in 2009. A review of the cases indicated a large decrease in the number of laboratory reported cases. Although no explanation for this decrease has been identified, it is not believed to be due to an actual decrease in the incidence of disease in the community.

In Tables **2.04a** and **2.04b**, the category labeled “All Others” includes all reportable diseases in the ADHS communicable disease database that are not listed previously on the table.

Beginning in April 2008, two diseases were added to the list of diseases that medical providers and laboratories must report: norovirus and respiratory syncytial virus (RSV). No counts exist for years earlier than 2008. Counts for RSV are much lower in 2008 because the number of RSV cases usually peak around January or February and reporting did not begin until April which was after the peak.

### ***Nativity (Birth) Statistics***

Nativity (birth) statistics are shown in Tables **2.07a** through **2.08**.

All data on natality are from the Arizona Department of Health Services (ADHS) final annual files. The data presented in this report are from birth certificates where the mother’s county of residence is Maricopa County. This includes births that did not occur in Maricopa County. 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. Therefore, some births that occurred outside of Arizona are included in Maricopa County’s final year end statistics even though the county and city of residence are unknown. 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.

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 births (the birth of one baby rather than twins, triplets or other multiple 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

Infants transferred from Banner Good Samaritan Hospital to Phoenix Children’s Hospital have not been counted as transfers since the two hospitals share facilities, with Phoenix Children’s Hospital providing Neonatal Intensive Care services to infants born at Banner Good Samaritan.

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<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.

## ***Infant Mortality Statistics***

Infant mortality statistics are shown in Tables **2.09a** through **2.15b**.

Infant mortality statistics shown in this report are from linked and unlinked data as indicated in each table. An explanation of linked and unlinked data is presented below.

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

The following definitions related to reproductive health have been established by NCHS<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.
- Linked Infant Mortality – Whenever possible, infant death certificate data are linked to birth certificate information to determine parental, demographic and birth data. Not all infant deaths can be linked (up to 3% are lost to follow-up). In this report, MCDPH

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<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.

created a linked death cohort such that one calendar year of infant death data linked back to the birth data from the current or prior calendar year.

### **Hospital Discharge Statistics**

Hospital Discharge statistics are shown in Tables **2.16a** through **2.17b**.

Hospital Discharge Data (HDD) is submitted by Arizona Hospitals to Arizona Department of Health Services (ADHS). Data is submitted by half years, with the first half (January 1 – June 30) is due August 15 of the same year and the second half (July 1 – December 31) is due by February 15<sup>th</sup> of the following year. ADHS then prepares the data for public release and the data are released between 3 and 6 months after collection. This dataset only contains hospitalizations from facilities within the state of Arizona. Hospitalizations of Maricopa Residents that occur outside of Arizona are not captured.

HDD provides an address for each patient but does not include information about the county of residence. In order to select Maricopa County Residents, an algorithm was derived to determine residence based on city, state, and ZIP code. The list of cities and ZIP codes within Maricopa County are based on a national ZIP code database that is updated regularly with new ZIP codes and cities (U.S. ZIP code Database – Business version from: <http://www.zip-codes.com/zip-code-database.asp>). The algorithm is available by contacting the Office of Epidemiology by email at [epidemiology@mail.maricopa.gov](mailto:epidemiology@mail.maricopa.gov).

All federal, state, military, and Department of Veteran Affairs' hospitals are excluded. No behavioral health hospitals reported data during this time period. Long-term acute care (LTAC) and rehabilitation hospitals are excluded from this report because patients in these settings are usually transferred from another facility to the LTAC or rehabilitation hospital and have an average stay of 25 days or longer.

The data reported in this report includes hospital discharge data from 2007-2011. Data from earlier years were unavailable.

Hospitalization Discharges represent the number of discharges from facilities within Arizona during a calendar year and are not unique patients. Therefore, if a person is hospitalized multiple times in a calendar year, that person will be represented multiple times in the dataset. Additionally, there is the probability that one patient may have two or more billing discharges for the same hospital encounter as a result of transfers between facilities and/or transfers between units of the same facility.

In HDD, ICD-9-CM codes are used to identify the reasons for hospitalization. These codes are then grouped into categories for analysis. For this report, only the primary diagnosis codes are analyzed. Records without a primary diagnosis code or with an unknown code are classified as unknown.

**Table 3.3 ICD-9-CM Codes Used for This Report**

<b>Category of Principal Diagnoses</b>	<b>ICD-9-CM Code</b>
<b>Infectious and parasitic diseases</b>	001–139
Septicemia	38
<b>Neoplasms</b>	140–239
Malignant neoplasms	140–208,230–234
Malignant neoplasm - large intestine & rectum	153–154,197.5
Malignant neoplasm - trachea, bronchus, & lung	162,176.4,197.0,197.3
Malignant neoplasm - breast	174–175,198.81
Benign neoplasms	210–229

(Table Continues)

(Table 3.3, Continued)

<b>Category of Principal Diagnoses</b>	<b>ICD-9-CM Code</b>
<b>Endocrine, nutritional &amp; metabolic diseases, &amp; immunity disorders</b>	240–279
Diabetes mellitus	250
Volume depletion (dehydration)	277
<b>Diseases of the blood and blood-forming organs</b>	280–289
<b>Mental disorders</b>	290–319
Psychoses	290–299
Alcohol dependence syndrome	303
<b>Diseases of the nervous system and sense organs</b>	320–389
<b>Diseases of the circulatory system</b>	390–459
Heart disease	391–392.0,393–398,402,404,410–416,420–429
Acute myocardial infarction	410
Coronary atherosclerosis	414
Other ischemic heart disease	411–413,414.1–414.9
Cardiac dysrhythmias	427
Congestive heart failure	428.0
Cerebrovascular disease	430–438
<b>Diseases of the respiratory system</b>	460–519
Acute bronchitis and bronchiolitis	466
Pneumonia	480–486
Chronic bronchitis	491
Asthma	493
<b>Diseases of the digestive system</b>	520–579
Appendicitis	540–543
Noninfectious enteritis and colitis	555–558
Cholelithiasis	574
<b>Diseases of the genitourinary system</b>	580–629
Calculus of kidney and ureter	592
<b>Complications of pregnancy, childbirth, and the puerperium</b>	630–677
<b>Diseases of the skin and subcutaneous tissue</b>	680–709
Cellulitis and abscess	681–682
<b>Diseases of the musculoskeletal system and connective tissue</b>	710–739
Osteoarthritis and allied disorders	715
Intervertebral disc disorders	722
<b>Congenital anomalies</b>	740–759
<b>Certain conditions originating in the perinatal period</b>	760–779
<b>Symptoms, signs, and ill-defined conditions</b>	780–799
<b>Injury and poisoning</b>	800–999
Fractures, all sites	800–829
Fracture of neck of femur	820
Poisonings	960–989
<b>Other healthcare encounters</b>	990–999

### ***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/publichealth/default.aspx>
- 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)
- United States Census Bureau: [www.census.gov](http://www.census.gov)