

Maricopa County Health Status Report 2005 – 2009



Five Year Trends Reference Tables



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

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Maricopa County Health Status Report 2005-2009

Five Year Trends: Reference Tables

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Introduction

This report provides health status information for the years 2005 to 2009 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: 5,420 residents of Maricopa County died due to cancer in 2009.*
 - Communicable Disease Example: 65 residents of Maricopa County were diagnosed with a confirmed case of Pertussis in 2009.
 - Natality (Birth) Example: There were 690 infants born with a very low birthweight (less than 1500 grams) in 2009.

- Rate or percentage of cases in the county
 - Mortality Disease Example: For every 100,000 residents of Maricopa County, 134.7 died due to cancer in 2009.*
 - Communicable Disease Example: For every 100,000 residents of Maricopa County, 1.6 were diagnosed with Pertussis in 2009.
 - Natality (Birth) Example: Among all live births in 2009, 1.2% were born with a very low birthweight.

All data in this report are for calendar years 2005 through 2009.

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
2005-2009 Tables***

Maricopa County Population Statistics

Table 1.01 Population By Race/Ethnicity, Age, and Sex, 2009

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	169,660	8.4%	163,233	8.2%	332,893	8.3%
5-9	160,941	7.9%	154,155	7.7%	315,096	7.8%
10-14	144,530	7.1%	137,454	6.9%	281,984	7.0%
15-19	139,063	6.8%	128,281	6.4%	267,344	6.6%
20-24	138,586	6.8%	125,074	6.3%	263,660	6.6%
25-34	336,983	16.6%	300,143	15.1%	637,126	15.8%
35-44	297,414	14.6%	274,211	13.8%	571,625	14.2%
45-54	259,853	12.8%	258,413	13.0%	518,266	12.9%
55-64	184,815	9.1%	201,035	10.1%	385,850	9.6%
65-74	108,131	5.3%	123,172	6.2%	231,303	5.7%
75-84	66,767	3.3%	85,406	4.3%	152,173	3.8%
85+	23,807	1.2%	42,005	2.1%	65,812	1.6%
Total	2,030,550		1,992,582		4,023,132	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,140,454	56.2%	1,173,035	58.9%
Hispanic	678,597	33.4%	602,049	30.2%
African American	91,091	4.5%	88,243	4.4%
Amer. Ind., Non-Hisp	31,615	1.6%	34,066	1.7%
Asian	59,992	3.0%	65,885	3.3%
Other/2+ Races	28,801	1.4%	29,304	1.5%
Total	2,030,550		1,992,582	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total No.
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	128,790	5.6%	161,497	12.6%	16,381	9.1%	6,536	10.0%	10,146	8.1%	9,543	16.4%	332,893
5-9	130,595	5.6%	143,908	11.2%	16,640	9.3%	5,892	9.0%	9,617	7.6%	8,444	14.5%	315,096
10-14	128,159	5.5%	118,634	9.3%	14,967	8.3%	4,975	7.6%	8,121	6.5%	7,128	12.3%	281,984
15-19	127,100	5.5%	107,821	8.4%	14,820	8.3%	5,412	8.2%	6,662	5.3%	5,529	9.5%	267,344
20-24	128,693	5.6%	103,771	8.1%	14,227	7.9%	5,768	8.8%	6,760	5.4%	4,441	7.6%	263,660
25-34	315,760	13.6%	246,235	19.2%	29,509	16.5%	13,710	20.9%	23,398	18.6%	8,514	14.7%	637,126
35-44	320,654	13.9%	185,588	14.5%	26,049	14.5%	9,723	14.8%	24,257	19.3%	5,354	9.2%	571,625
45-54	355,177	15.4%	113,025	8.8%	22,451	12.5%	6,949	10.6%	16,466	13.1%	4,198	7.2%	518,266
55-64	297,526	12.9%	57,753	4.5%	13,338	7.4%	3,831	5.8%	10,796	8.6%	2,606	4.5%	385,850
65-74	189,453	8.2%	26,148	2.0%	6,575	3.7%	1,828	2.8%	5,895	4.7%	1,404	2.4%	231,303
75-84	132,263	5.7%	12,136	0.9%	3,407	1.9%	816	1.2%	2,848	2.3%	703	1.2%	152,173
85+	59,319	2.6%	4,130	0.3%	970	0.5%	241	0.4%	911	0.7%	241	0.4%	65,812
Total	2,313,489		1,280,646		179,334		65,681		125,877		58,105		4,023,132

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 1.02 Population Estimates by Sex, Age, and Race/Ethnicity, 2009

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total No.
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	62,912	5.4%	79,254	13.2%	8,101	9.2%	3,295	9.7%	5,006	7.6%	4,665	15.9%	163,233
5-9	63,821	5.4%	70,182	11.7%	8,282	9.4%	2,938	8.6%	4,830	7.3%	4,102	14.0%	154,155
10-14	62,286	5.3%	57,858	9.6%	7,417	8.4%	2,423	7.1%	4,053	6.2%	3,417	11.7%	137,454
15-19	61,238	5.2%	51,387	8.5%	7,059	8.0%	2,688	7.9%	3,177	4.8%	2,732	9.3%	128,281
20-24	62,697	5.3%	47,247	7.8%	6,602	7.5%	2,875	8.4%	3,421	5.2%	2,232	7.6%	125,074
25-29	80,900	6.9%	54,117	9.0%	7,340	8.3%	3,687	10.8%	5,627	8.5%	2,507	8.6%	154,178
30-34	74,551	6.4%	52,784	8.8%	6,678	7.6%	3,432	10.1%	6,592	10.0%	1,928	6.6%	145,965
35-39	77,725	6.6%	46,275	7.7%	6,738	7.6%	2,745	8.1%	6,982	10.6%	1,479	5.0%	141,944
40-44	79,903	6.8%	37,180	6.2%	6,066	6.9%	2,294	6.7%	5,544	8.4%	1,280	4.4%	132,267
45-49	91,185	7.8%	30,533	5.1%	5,940	6.7%	2,139	6.3%	4,706	7.1%	1,174	4.0%	135,677
50-54	88,346	7.5%	22,677	3.8%	4,972	5.6%	1,661	4.9%	4,076	6.2%	1,004	3.4%	122,736
55-59	81,581	7.0%	16,809	2.8%	4,055	4.6%	1,279	3.8%	3,429	5.2%	810	2.8%	107,963
60-64	73,818	6.3%	12,143	2.0%	2,821	3.2%	886	2.6%	2,775	4.2%	629	2.1%	93,072
65-69	56,779	4.8%	8,123	1.3%	2,050	2.3%	603	1.8%	2,007	3.0%	460	1.6%	70,022
70-74	43,691	3.7%	5,782	1.0%	1,469	1.7%	475	1.4%	1,412	2.1%	321	1.1%	53,150
75+	111,602	9.5%	9,698	1.6%	2,653	3.0%	646	1.9%	2,248	3.4%	564	1.9%	127,411
Total	1,173,035		602,049		88,243		34,066		65,885		29,304		1,992,582
Males													
0-4	65,878	5.8%	82,243	12.1%	8,280	9.1%	3,241	10.3%	5,140	8.6%	4,878	16.9%	169,660
5-9	66,774	5.9%	73,726	10.9%	8,358	9.2%	2,954	9.3%	4,787	8.0%	4,342	15.1%	160,941
10-14	65,873	5.8%	60,776	9.0%	7,550	8.3%	2,552	8.1%	4,068	6.8%	3,711	12.9%	144,530
15-19	65,862	5.8%	56,434	8.3%	7,761	8.5%	2,724	8.6%	3,485	5.8%	2,797	9.7%	139,063
20-24	65,996	5.8%	56,524	8.3%	7,625	8.4%	2,893	9.2%	3,339	5.6%	2,209	7.7%	138,586
25-29	83,073	7.3%	69,810	10.3%	8,512	9.3%	3,437	10.9%	5,139	8.6%	2,289	7.9%	172,260
30-34	77,236	6.8%	69,524	10.2%	6,979	7.7%	3,154	10.0%	6,040	10.1%	1,790	6.2%	164,723
35-39	80,928	7.1%	56,692	8.4%	6,987	7.7%	2,542	8.0%	6,555	10.9%	1,481	5.1%	155,185
40-44	82,098	7.2%	45,441	6.7%	6,258	6.9%	2,142	6.8%	5,176	8.6%	1,114	3.9%	142,229
45-49	90,420	7.9%	35,116	5.2%	6,398	7.0%	1,776	5.6%	4,309	7.2%	1,123	3.9%	139,142
50-54	85,226	7.5%	24,699	3.6%	5,141	5.6%	1,373	4.3%	3,375	5.6%	897	3.1%	120,711
55-59	74,721	6.6%	17,076	2.5%	3,749	4.1%	956	3.0%	2,622	4.4%	680	2.4%	99,804
60-64	67,406	5.9%	11,725	1.7%	2,713	3.0%	710	2.2%	1,970	3.3%	487	1.7%	85,011
65-69	50,709	4.4%	7,438	1.1%	1,750	1.9%	440	1.4%	1,435	2.4%	354	1.2%	62,126
70-74	38,274	3.4%	4,805	0.7%	1,306	1.4%	310	1.0%	1,041	1.7%	269	0.9%	46,005
75+	79,980	7.0%	6,568	1.0%	1,724	1.9%	411	1.3%	1,511	2.5%	380	1.3%	90,574
Total	1,140,454		678,597		91,091		31,615		59,992		28,801		2,030,550

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 1.03 Population By Race/Ethnicity, Age, and Sex, 2008

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	169,498	8.5%	162,822	8.3%	332,320	8.4%
5-9	156,876	7.9%	150,760	7.7%	307,636	7.8%
10-14	143,057	7.2%	135,794	6.9%	278,851	7.0%
15-19	137,901	6.9%	126,616	6.5%	264,517	6.7%
20-24	138,100	6.9%	124,416	6.3%	262,516	6.6%
25-34	333,330	16.7%	297,654	15.2%	630,984	15.9%
35-44	294,707	14.8%	272,576	13.9%	567,283	14.3%
45-54	252,645	12.7%	252,947	12.9%	505,592	12.8%
55-64	178,456	8.9%	193,866	9.9%	372,322	9.4%
65-74	103,232	5.2%	118,336	6.0%	221,568	5.6%
75-84	66,622	3.3%	85,462	4.4%	152,084	3.8%
85+	22,526	1.1%	40,064	2.0%	62,590	1.6%
Total	1,996,950		1,961,313		3,958,263	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,135,267	56.9%	1,167,965	59.6%
Hispanic	657,104	32.9%	583,151	29.7%
African American	87,356	4.4%	84,424	4.3%
American Indian	31,570	1.6%	34,020	1.7%
Asian	57,803	2.9%	63,486	3.2%
Other/2+ Races	27,850	1.4%	28,267	1.4%
Total	1,996,950		1,961,313	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	130,347	5.7%	159,456	12.9%	16,125	9.4%	6,959	10.6%	10,017	8.3%	9,416	16.8%	332,320
5-9	130,164	5.7%	138,901	11.2%	15,597	9.1%	5,764	8.8%	9,026	7.4%	8,184	14.6%	307,636
10-14	129,149	5.6%	115,292	9.3%	14,592	8.5%	5,062	7.7%	7,821	6.4%	6,935	12.4%	278,851
15-19	128,887	5.6%	104,267	8.4%	14,179	8.3%	5,576	8.5%	6,389	5.3%	5,219	9.3%	264,517
20-24	129,455	5.6%	102,505	8.3%	13,672	8.0%	5,854	8.9%	6,689	5.5%	4,341	7.7%	262,516
25-34	314,021	13.6%	243,391	19.6%	27,903	16.2%	13,763	21.0%	23,750	19.6%	8,156	14.5%	630,984
35-44	326,940	14.2%	177,088	14.3%	25,440	14.8%	9,588	14.6%	23,040	19.0%	5,187	9.2%	567,283
45-54	352,174	15.3%	105,742	8.5%	21,426	12.5%	6,667	10.2%	15,550	12.8%	4,033	7.2%	505,592
55-64	289,809	12.6%	53,828	4.3%	12,490	7.3%	3,635	5.5%	10,128	8.4%	2,432	4.3%	372,322
65-74	182,314	7.9%	24,496	2.0%	6,237	3.6%	1,734	2.6%	5,457	4.5%	1,330	2.4%	221,568
75-84	133,282	5.8%	11,527	0.9%	3,228	1.9%	769	1.2%	2,614	2.2%	664	1.2%	152,084
85+	56,690	2.5%	3,762	0.3%	891	0.5%	219	0.3%	808	0.7%	220	0.4%	62,590
Total	2,303,232		1,240,255		171,780		65,590		121,289		56,117		3,958,263

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 1.04 Population By Race/Ethnicity, Age, and Gender, 2008

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	63,717	5.5%	78,082	13.4%	7,950	9.4%	3,509	10.3%	4,974	7.8%	4,590	16.2%	162,822
5-9	63,541	5.4%	68,072	11.7%	7,794	9.2%	2,870	8.4%	4,552	7.2%	3,931	13.9%	150,760
10-14	62,776	5.4%	56,082	9.6%	7,230	8.6%	2,465	7.2%	3,855	6.1%	3,386	12.0%	135,794
15-19	62,002	5.3%	49,503	8.5%	6,712	8.0%	2,756	8.1%	3,067	4.8%	2,576	9.1%	126,616
20-24	63,156	5.4%	46,393	8.0%	6,354	7.5%	2,937	8.6%	3,400	5.4%	2,176	7.7%	124,416
25-29	82,403	7.1%	54,249	9.3%	6,989	8.3%	3,867	11.4%	5,661	8.9%	2,429	8.6%	155,598
30-34	72,395	6.2%	51,595	8.8%	6,301	7.5%	3,296	9.7%	6,663	10.5%	1,806	6.4%	142,056
35-39	79,224	6.8%	44,037	7.6%	6,535	7.7%	2,690	7.9%	6,683	10.5%	1,424	5.0%	140,593
40-44	81,389	7.0%	35,951	6.2%	5,877	7.0%	2,293	6.7%	5,243	8.3%	1,230	4.4%	131,983
45-49	91,194	7.8%	28,632	4.9%	5,749	6.8%	2,060	6.1%	4,469	7.0%	1,139	4.0%	133,243
50-54	87,213	7.5%	21,291	3.7%	4,694	5.6%	1,624	4.8%	3,891	6.1%	991	3.5%	119,704
55-59	80,809	6.9%	15,872	2.7%	3,806	4.5%	1,205	3.5%	3,301	5.2%	755	2.7%	105,748
60-64	70,400	6.0%	11,190	1.9%	2,602	3.1%	810	2.4%	2,541	4.0%	575	2.0%	88,118
65-69	54,088	4.6%	7,583	1.3%	1,937	2.3%	580	1.7%	1,833	2.9%	434	1.5%	66,455
70-74	42,895	3.7%	5,520	0.9%	1,406	1.7%	456	1.3%	1,306	2.1%	298	1.1%	51,881
75+	110,763	9.5%	9,099	1.6%	2,488	2.9%	602	1.8%	2,047	3.2%	527	1.9%	125,526
Total	1,167,965		583,151		84,424		34,020		63,486		28,267		1,961,313
Males													
0-4	66,630	5.9%	81,374	12.4%	8,175	9.4%	3,450	10.9%	5,043	8.6%	4,826	17.3%	169,498
5-9	66,623	5.9%	70,829	10.8%	7,803	8.9%	2,894	9.2%	4,474	7.7%	4,253	15.3%	156,876
10-14	66,373	5.8%	59,210	9.0%	7,362	8.4%	2,597	8.2%	3,966	6.8%	3,549	12.7%	143,057
15-19	66,885	5.9%	54,764	8.3%	7,467	8.5%	2,820	8.9%	3,322	5.7%	2,643	9.5%	137,901
20-24	66,299	5.8%	56,112	8.5%	7,318	8.4%	2,917	9.2%	3,289	5.6%	2,165	7.8%	138,100
25-29	84,011	7.4%	70,533	10.7%	7,958	9.1%	3,561	11.3%	5,204	8.9%	2,244	8.1%	173,511
30-34	75,212	6.6%	67,014	10.2%	6,655	7.6%	3,039	9.6%	6,222	10.6%	1,677	6.0%	159,819
35-39	83,199	7.3%	53,871	8.2%	6,880	7.9%	2,507	7.9%	6,225	10.6%	1,419	5.1%	154,101
40-44	83,128	7.3%	43,229	6.6%	6,148	7.0%	2,098	6.6%	4,889	8.4%	1,114	4.0%	140,606
45-49	90,272	8.0%	32,740	5.0%	6,256	7.2%	1,722	5.5%	4,025	6.9%	1,107	4.0%	136,122
50-54	83,495	7.4%	23,079	3.5%	4,727	5.4%	1,261	4.0%	3,165	5.4%	796	2.9%	116,523
55-59	73,731	6.5%	16,042	2.4%	3,604	4.1%	933	3.0%	2,466	4.2%	637	2.3%	97,413
60-64	64,869	5.7%	10,724	1.6%	2,478	2.8%	687	2.2%	1,820	3.1%	465	1.7%	81,043
65-69	48,072	4.2%	6,875	1.0%	1,662	1.9%	409	1.3%	1,329	2.3%	351	1.3%	58,698
70-74	37,259	3.3%	4,518	0.7%	1,232	1.4%	289	0.9%	989	1.7%	247	0.9%	44,534
75+	79,209	7.0%	6,190	0.9%	1,631	1.9%	386	1.2%	2,047	3.5%	357	1.3%	89,820
Total	1,135,267		657,104		87,356		31,570		58,475		27,850		1,997,622

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 1.05 Population By Race/Ethnicity, Age, and Sex, 2007

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	167,397	8.6%	161,200	8.4%	328,597	8.5%
5-9	151,748	7.8%	145,033	7.6%	296,781	7.7%
10-14	141,182	7.2%	134,423	7.0%	275,605	7.1%
15-19	134,776	6.9%	123,708	6.4%	258,484	6.7%
20-24	136,967	7.0%	122,782	6.4%	259,749	6.7%
25-34	327,306	16.8%	293,323	15.3%	620,629	16.0%
35-44	291,114	14.9%	270,140	14.1%	561,254	14.5%
45-54	244,229	12.5%	246,302	12.8%	490,531	12.7%
55-64	172,422	8.8%	187,489	9.8%	359,911	9.3%
65-74	98,375	5.0%	112,759	5.9%	211,134	5.5%
75-84	65,753	3.4%	85,214	4.4%	150,967	3.9%
85+	21,187	1.1%	38,133	2.0%	59,320	1.5%
Total	1,952,456		1,920,506		3,872,962	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,127,024	57.7%	1,160,065	60.4%
Hispanic	629,561	32.2%	559,397	29.1%
African American	83,115	4.3%	80,169	4.2%
Amer. Ind., Non-Hisp	31,043	1.6%	33,427	1.7%
Asian	54,982	2.8%	60,474	3.1%
Other/2+ Races	26,731	1.4%	26,974	1.4%
Total	1,952,456		1,920,506	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	132,071	5.8%	155,178	13.1%	15,541	9.5%	7,007	10.9%	9,618	8.3%	9,182	17.1%	328,597
5-9	128,899	5.6%	131,518	11.1%	14,548	8.9%	5,580	8.7%	8,394	7.3%	7,842	14.6%	296,781
10-14	130,374	5.7%	112,037	9.4%	14,092	8.6%	5,157	8.0%	7,379	6.4%	6,566	12.2%	275,605
15-19	129,360	5.7%	99,032	8.3%	13,402	8.2%	5,604	8.7%	6,067	5.3%	5,019	9.3%	258,484
20-24	128,751	5.6%	101,303	8.5%	13,123	8.0%	5,799	9.0%	6,605	5.7%	4,168	7.8%	259,749
25-34	313,029	13.7%	236,407	19.9%	26,347	16.1%	13,641	21.2%	23,522	20.4%	7,683	14.3%	620,629
35-44	332,915	14.6%	167,777	14.1%	24,558	15.0%	9,289	14.4%	21,668	18.8%	5,047	9.4%	561,254
45-54	346,544	15.2%	98,673	8.3%	20,289	12.4%	6,469	10.0%	14,709	12.7%	3,847	7.2%	490,531
55-64	283,161	12.4%	50,102	4.2%	11,596	7.1%	3,432	5.3%	9,329	8.1%	2,291	4.3%	359,911
65-74	174,726	7.6%	22,672	1.9%	5,907	3.6%	1,582	2.5%	5,029	4.4%	1,218	2.3%	211,134
75-84	133,298	5.8%	10,842	0.9%	3,056	1.9%	715	1.1%	2,408	2.1%	648	1.2%	150,967
85+	53,961	2.4%	3,417	0.3%	825	0.5%	195	0.3%	728	0.6%	194	0.4%	59,320
Total	2,287,089		1,188,958		163,284		64,470		115,456		53,705		3,872,962

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 1.06 Population By Race/Ethnicity, Age, and Gender, 2007

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	64,469	5.6%	76,269	13.6%	7,714	9.6%	3,541	10.6%	4,744	7.8%	4,463	16.5%	161,200
5-9	62,828	5.4%	64,212	11.5%	7,224	9.0%	2,753	8.2%	4,258	7.0%	3,758	13.9%	145,033
10-14	63,419	5.5%	54,639	9.8%	6,972	8.7%	2,504	7.5%	3,675	6.1%	3,214	11.9%	134,423
15-19	62,305	5.4%	46,968	8.4%	6,316	7.9%	2,775	8.3%	2,883	4.8%	2,461	9.1%	123,708
20-24	62,835	5.4%	45,482	8.1%	6,078	7.6%	2,923	8.7%	3,351	5.5%	2,113	7.8%	122,782
25-29	82,459	7.1%	53,467	9.6%	6,593	8.2%	3,969	11.9%	5,595	9.3%	2,241	8.3%	154,324
30-34	71,846	6.2%	49,678	8.9%	6,004	7.5%	3,139	9.4%	6,619	10.9%	1,713	6.4%	138,999
35-39	79,966	6.9%	41,894	7.5%	6,156	7.7%	2,595	7.8%	6,262	10.4%	1,345	5.0%	138,218
40-44	83,806	7.2%	33,934	6.1%	5,783	7.2%	2,251	6.7%	4,934	8.2%	1,214	4.5%	131,922
45-49	90,960	7.8%	27,015	4.8%	5,498	6.9%	2,026	6.1%	4,293	7.1%	1,101	4.1%	130,893
50-54	84,867	7.3%	19,973	3.6%	4,402	5.5%	1,570	4.7%	3,670	6.1%	927	3.4%	115,409
55-59	80,743	7.0%	14,843	2.7%	3,529	4.4%	1,128	3.4%	3,114	5.1%	707	2.6%	104,064
60-64	67,034	5.8%	10,351	1.9%	2,393	3.0%	766	2.3%	2,331	3.9%	550	2.0%	83,425
65-69	50,550	4.4%	6,879	1.2%	1,785	2.2%	528	1.6%	1,702	2.8%	404	1.5%	61,848
70-74	42,374	3.7%	5,319	1.0%	1,371	1.7%	405	1.2%	1,173	1.9%	269	1.0%	50,911
75+	109,604	9.4%	8,474	1.5%	2,351	2.9%	554	1.7%	1,870	3.1%	494	1.8%	123,347
Total	1,160,065		559,397		80,169		33,427		60,474		26,974		1,920,506
Males													
0-4	67,602	6.0%	78,909	12.5%	7,827	9.4%	3,466	11.2%	4,874	8.8%	4,719	17.7%	167,397
5-9	66,071	5.9%	67,306	10.7%	7,324	8.8%	2,827	9.1%	4,136	7.4%	4,084	15.3%	151,748
10-14	66,955	5.9%	57,398	9.1%	7,120	8.6%	2,653	8.5%	3,704	6.7%	3,352	12.5%	141,182
15-19	67,055	5.9%	52,064	8.3%	7,086	8.5%	2,829	9.1%	3,184	5.7%	2,558	9.6%	134,776
20-24	65,916	5.8%	55,821	8.9%	7,045	8.5%	2,876	9.3%	3,254	5.9%	2,055	7.7%	136,967
25-29	83,891	7.4%	70,067	11.1%	7,298	8.8%	3,609	11.6%	5,154	9.3%	2,173	8.1%	172,192
30-34	74,833	6.6%	63,195	10.0%	6,452	7.8%	2,924	9.4%	6,154	11.1%	1,556	5.8%	155,114
35-39	84,228	7.5%	51,180	8.1%	6,488	7.8%	2,401	7.7%	5,890	10.6%	1,359	5.1%	151,546
40-44	84,915	7.5%	40,769	6.5%	6,131	7.4%	2,042	6.6%	4,582	8.2%	1,129	4.2%	139,568
45-49	89,959	8.0%	30,444	4.8%	5,948	7.2%	1,713	5.5%	3,827	6.9%	1,068	4.0%	132,959
50-54	80,758	7.2%	21,241	3.4%	4,441	5.3%	1,160	3.7%	2,919	5.3%	751	2.8%	111,270
55-59	73,762	6.5%	15,029	2.4%	3,408	4.1%	920	3.0%	2,231	4.0%	592	2.2%	95,942
60-64	61,622	5.5%	9,879	1.6%	2,266	2.7%	618	2.0%	1,653	3.0%	442	1.7%	76,480
65-69	45,184	4.0%	6,295	1.0%	1,571	1.9%	388	1.2%	1,254	2.3%	311	1.2%	55,003
70-74	36,618	3.2%	4,179	0.7%	1,180	1.4%	261	0.8%	900	1.6%	234	0.9%	43,372
75+	77,655	6.9%	5,785	0.9%	1,530	1.8%	356	1.1%	1,870	3.4%	348	1.3%	87,544
Total	1,127,024		629,561		83,115		31,043		55,586		26,731		1,953,060

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

Maricopa County Population Statistics
Table 1.07 Population By Race/Ethnicity, Age, and Sex, 2006

Age by Sex

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	162,904	8.6%	156,928	8.4%	319,832	8.5%
5-9	146,940	7.7%	139,870	7.5%	286,810	7.6%
10-14	138,536	7.3%	131,818	7.0%	270,354	7.2%
15-19	130,877	6.9%	119,881	6.4%	250,758	6.6%
20-24	135,526	7.1%	122,158	6.5%	257,684	6.8%
25-34	320,043	16.8%	287,393	15.3%	607,436	16.1%
35-44	286,597	15.1%	266,920	14.2%	553,517	14.7%
45-54	234,435	12.3%	238,278	12.7%	472,713	12.5%
55-64	165,686	8.7%	180,144	9.6%	345,830	9.2%
65-74	95,862	5.0%	109,420	5.8%	205,282	5.4%
75-84	64,753	3.4%	85,205	4.5%	149,958	4.0%
85+	19,768	1.0%	36,176	1.9%	55,944	1.5%
Total	1,901,927		1,874,191		3,776,118	

Race/Ethnicity by Sex

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,118,970	58.8%	1,152,516	61.5%
Hispanic	596,905	31.4%	530,751	28.3%
African American	78,932	4.2%	75,861	4.0%
American Indian	29,900	1.6%	32,364	1.7%
Asian	51,757	2.7%	56,967	3.0%
Other/2+ Races	25,463	1.3%	25,732	1.4%
Total	1,901,927		1,874,191	

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	132,277	5.8%	148,249	13.1%	14,649	9.5%	6,823	11.0%	8,963	8.2%	8,871	17.3%	319,832
5-9	128,386	5.7%	123,979	11.0%	13,753	8.9%	5,306	8.5%	7,796	7.2%	7,590	14.8%	286,810
10-14	131,684	5.8%	106,844	9.5%	13,631	8.8%	5,193	8.3%	6,798	6.3%	6,204	12.1%	270,354
15-19	128,782	5.7%	93,522	8.3%	12,628	8.2%	5,402	8.7%	5,767	5.3%	4,657	9.1%	250,758
20-24	129,023	5.7%	99,964	8.9%	12,368	8.0%	5,725	9.2%	6,531	6.0%	4,073	8.0%	257,684
25-34	312,935	13.8%	226,159	20.1%	25,058	16.2%	13,104	21.0%	22,923	21.1%	7,257	14.2%	607,436
35-44	338,360	14.9%	157,461	14.0%	23,629	15.3%	9,100	14.6%	20,138	18.5%	4,829	9.4%	553,517
45-54	339,633	15.0%	90,710	8.0%	19,024	12.3%	6,044	9.7%	13,675	12.6%	3,627	7.1%	472,713
55-64	274,752	12.1%	46,292	4.1%	10,771	7.0%	3,214	5.2%	8,635	7.9%	2,166	4.2%	345,830
65-74	171,197	7.5%	21,177	1.9%	5,591	3.6%	1,524	2.4%	4,650	4.3%	1,143	2.2%	205,282
75-84	133,447	5.9%	10,182	0.9%	2,869	1.9%	653	1.0%	2,205	2.0%	602	1.2%	149,958
85+	51,010	2.2%	3,117	0.3%	822	0.5%	176	0.3%	643	0.6%	176	0.3%	55,944
Total	2,271,486		1,127,656		154,793		62,264		108,724		51,195		3,776,118

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

Maricopa County Population Statistics

Table 1.08 Population By Race/Ethnicity, Age, and Gender, 2006

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
0-4	64,696	5.6%	72,836	13.7%	7,255	9.6%	3,450	10.7%	4,418	7.8%	4,273	16.6%	156,928
5-9	62,441	5.4%	60,410	11.4%	6,811	9.0%	2,607	8.1%	3,970	7.0%	3,631	14.1%	139,870
10-14	64,014	5.6%	52,095	9.8%	6,738	8.9%	2,570	7.9%	3,363	5.9%	3,038	11.8%	131,818
15-19	61,861	5.4%	44,385	8.4%	5,916	7.8%	2,655	8.2%	2,773	4.9%	2,291	8.9%	119,881
20-24	63,357	5.5%	44,677	8.4%	5,775	7.6%	2,937	9.1%	3,307	5.8%	2,105	8.2%	122,158
25-29	81,951	7.1%	51,547	9.7%	6,158	8.1%	3,817	11.8%	5,468	9.6%	2,112	8.2%	151,053
30-34	72,081	6.3%	47,466	8.9%	5,833	7.7%	2,982	9.2%	6,354	11.2%	1,624	6.3%	136,340
35-39	79,933	6.9%	39,195	7.4%	5,682	7.5%	2,487	7.7%	5,741	10.1%	1,262	4.9%	134,300
40-44	86,615	7.5%	32,158	6.1%	5,697	7.5%	2,281	7.0%	4,670	8.2%	1,199	4.7%	132,620
45-49	90,053	7.8%	24,987	4.7%	5,174	6.8%	1,912	5.9%	4,013	7.0%	1,051	4.1%	127,190
50-54	82,751	7.2%	18,393	3.5%	4,125	5.4%	1,472	4.5%	3,484	6.1%	863	3.4%	111,088
55-59	80,707	7.0%	13,814	2.6%	3,234	4.3%	1,088	3.4%	2,927	5.1%	671	2.6%	102,441
60-64	62,673	5.4%	9,456	1.8%	2,252	3.0%	689	2.1%	2,108	3.7%	525	2.0%	77,703
65-69	48,411	4.2%	6,433	1.2%	1,678	2.2%	536	1.7%	1,570	2.8%	357	1.4%	58,985
70-74	42,446	3.7%	4,979	0.9%	1,278	1.7%	378	1.2%	1,090	1.9%	264	1.0%	50,435
75+	108,526	9.4%	7,920	1.5%	2,255	3.0%	503	1.6%	1,711	3.0%	466	1.8%	121,381
Total	1,152,516		530,751		75,861		32,364		56,967		25,732		1,874,191
Males													
0-4	67,581	6.0%	75,413	12.6%	7,394	9.4%	3,373	11.3%	4,545	8.7%	4,598	18.1%	162,904
5-9	65,945	5.9%	63,569	10.6%	6,942	8.8%	2,699	9.0%	3,826	7.3%	3,959	15.5%	146,940
10-14	67,670	6.0%	54,749	9.2%	6,893	8.7%	2,623	8.8%	3,435	6.6%	3,166	12.4%	138,536
15-19	66,921	6.0%	49,137	8.2%	6,712	8.5%	2,747	9.2%	2,994	5.7%	2,366	9.3%	130,877
20-24	65,666	5.9%	55,287	9.3%	6,593	8.4%	2,788	9.3%	3,224	6.2%	1,968	7.7%	135,526
25-29	83,043	7.4%	67,776	11.4%	6,761	8.6%	3,571	11.9%	5,070	9.7%	2,040	8.0%	168,261
30-34	75,860	6.8%	59,370	9.9%	6,306	8.0%	2,734	9.1%	6,031	11.5%	1,481	5.8%	151,782
35-39	84,200	7.5%	47,885	8.0%	6,215	7.9%	2,324	7.8%	5,349	10.2%	1,255	4.9%	147,228
40-44	87,612	7.8%	38,223	6.4%	6,035	7.6%	2,008	6.7%	4,378	8.4%	1,113	4.4%	139,369
45-49	88,584	7.9%	28,022	4.7%	5,590	7.1%	1,585	5.3%	3,497	6.7%	978	3.8%	128,256
50-54	78,245	7.0%	19,308	3.2%	4,135	5.2%	1,075	3.6%	2,681	5.1%	735	2.9%	106,179
55-59	73,949	6.6%	14,016	2.3%	3,242	4.1%	911	3.0%	2,108	4.0%	571	2.2%	94,797
60-64	57,423	5.1%	9,006	1.5%	2,043	2.6%	526	1.8%	1,492	2.9%	399	1.6%	70,889
65-69	43,341	3.9%	5,870	1.0%	1,526	1.9%	374	1.3%	1,183	2.3%	294	1.2%	52,588
70-74	36,999	3.3%	3,895	0.7%	1,109	1.4%	236	0.8%	807	1.5%	228	0.9%	43,274
75+	75,931	6.8%	5,379	0.9%	1,436	1.8%	326	1.1%	1,711	3.3%	312	1.2%	85,095
Total	1,118,970		596,905		78,932		29,900		52,331		25,463		1,902,501

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

Maricopa County Population Statistics
Table 1.09 Population By Race/Ethnicity, Age, and Sex, 2005

Age by Sex

Race/Ethnicity by Sex

Age	Males		Females		Total		Race/Ethnicity	Males		Females	
	No.	%	No.	%	No.	%		No.	%	No.	%
0-4	157,104	8.6%	151,494	8.4%	308,598	8.5%	White	1,101,988	60.1%	1,137,211	62.7%
5-9	139,918	7.6%	133,144	7.3%	273,062	7.5%	Hispanic	559,461	30.5%	497,739	27.5%
10-14	134,999	7.4%	128,350	7.1%	263,349	7.2%	African American	73,491	4.0%	70,612	3.9%
15-19	125,874	6.9%	115,142	6.4%	241,016	6.6%	American Indian	28,563	1.6%	30,908	1.7%
20-24	135,311	7.4%	121,725	6.7%	257,036	7.0%	Asian	47,152	2.6%	52,043	2.9%
25-34	307,046	16.7%	276,379	15.2%	583,425	16.0%	Other/2+ Races	23,874	1.3%	24,089	1.3%
35-44	276,717	15.1%	259,815	14.3%	536,532	14.7%					
45-54	224,700	12.2%	229,387	12.7%	454,087	12.5%					
55-64	156,917	8.6%	170,652	9.4%	327,569	9.0%	Total	1,834,529		1,812,602	
65-74	93,900	5.1%	107,375	5.9%	201,275	5.5%					
75-84	63,763	3.5%	84,981	4.7%	148,744	4.1%					
85+	18,280	1.0%	34,158	1.9%	52,438	1.4%					
Total	1,834,529		1,812,602		3,647,131						

Age by Race/Ethnicity

Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	131,254	5.9%	140,642	13.3%	13,514	9.4%	6,679	11.2%	8,027	8.1%	8,482	17.7%	308,598
5-9	126,638	5.7%	114,857	10.9%	12,555	8.7%	4,916	8.3%	6,972	7.0%	7,124	14.9%	273,062
10-14	132,280	5.9%	100,834	9.5%	13,091	9.1%	5,204	8.8%	6,215	6.3%	5,725	11.9%	263,349
15-19	126,842	5.7%	87,661	8.3%	11,765	8.2%	5,051	8.5%	5,350	5.4%	4,347	9.1%	241,016
20-24	131,070	5.9%	98,229	9.3%	11,670	8.1%	5,831	9.8%	6,265	6.3%	3,971	8.3%	257,036
25-34	308,209	13.8%	211,974	20.1%	23,109	16.0%	12,322	20.7%	21,214	21.4%	6,597	13.8%	583,425
35-44	337,311	15.1%	145,493	13.8%	22,362	15.5%	8,666	14.6%	18,131	18.3%	4,569	9.5%	536,532
45-54	331,644	14.8%	83,240	7.9%	17,659	12.3%	5,690	9.6%	12,512	12.6%	3,342	7.0%	454,087
55-64	262,793	11.7%	42,282	4.0%	9,716	6.7%	2,979	5.0%	7,767	7.8%	2,032	4.2%	327,569
65-74	169,615	7.6%	19,753	1.9%	5,218	3.6%	1,375	2.3%	4,255	4.3%	1,059	2.2%	201,275
75-84	133,541	6.0%	9,436	0.9%	2,680	1.9%	604	1.0%	1,935	2.0%	548	1.1%	148,744
85+	48,002	2.1%	2,799	0.3%	764	0.5%	154	0.3%	552	0.6%	167	0.3%	52,438
Total	2,239,199		1,057,200		144,103		59,471		99,195		47,963		3,647,131

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2005.

Maricopa County Population Statistics

Table 1.10 Population By Race/Ethnicity, Age, and Gender, 2005

Females Age	White		Hispanic		African American		American Indian		Asian		Other/2+ Races		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
	0-4	64,276	5.7%	69,007	13.9%	6,739	9.5%	3,330	10.8%	4,009	7.7%	4,133	17.2%
5-9	61,715	5.4%	55,908	11.2%	6,207	8.8%	2,426	7.8%	3,546	6.8%	3,342	13.9%	133,144
10-14	64,250	5.6%	49,190	9.9%	6,412	9.1%	2,587	8.4%	3,052	5.9%	2,859	11.9%	128,350
15-19	60,986	5.4%	41,461	8.3%	5,553	7.9%	2,479	8.0%	2,559	4.9%	2,104	8.7%	115,142
20-24	64,539	5.7%	43,446	8.7%	5,502	7.8%	3,028	9.8%	3,141	6.0%	2,069	8.6%	121,725
25-29	77,252	6.8%	48,789	9.8%	5,440	7.7%	3,558	11.5%	5,025	9.7%	1,873	7.8%	141,937
30-34	74,193	6.5%	44,501	8.9%	5,522	7.8%	2,829	9.2%	5,911	11.4%	1,486	6.2%	134,442
35-39	77,967	6.9%	36,163	7.3%	5,363	7.6%	2,345	7.6%	5,151	9.9%	1,194	5.0%	128,183
40-44	88,544	7.8%	30,037	6.0%	5,403	7.7%	2,224	7.2%	4,300	8.3%	1,124	4.7%	131,632
45-49	87,982	7.7%	22,976	4.6%	4,787	6.8%	1,791	5.8%	3,773	7.2%	976	4.1%	122,285
50-54	80,949	7.1%	16,918	3.4%	3,878	5.5%	1,397	4.5%	3,164	6.1%	796	3.3%	107,102
55-59	76,365	6.7%	12,684	2.5%	2,805	4.0%	983	3.2%	2,641	5.1%	633	2.6%	96,111
60-64	60,753	5.3%	8,662	1.7%	2,122	3.0%	661	2.1%	1,842	3.5%	501	2.1%	74,541
65-69	47,459	4.2%	6,010	1.2%	1,574	2.2%	492	1.6%	1,435	2.8%	333	1.4%	57,303
70-74	42,640	3.7%	4,679	0.9%	1,192	1.7%	324	1.0%	1,010	1.9%	227	0.9%	50,072
75+	107,341	9.4%	7,308	1.5%	2,113	3.0%	454	1.5%	1,484	2.9%	439	1.8%	119,139
Total	1,137,211		497,739		70,612		30,908		52,043		24,089		1,812,602
Males													
0-4	66,978	6.1%	71,635	12.8%	6,775	9.2%	3,349	11.7%	4,018	8.4%	4,349	18.2%	157,104
5-9	64,923	5.9%	58,949	10.5%	6,348	8.6%	2,490	8.7%	3,426	7.2%	3,782	15.8%	139,918
10-14	68,030	6.2%	51,644	9.2%	6,679	9.1%	2,617	9.2%	3,163	6.6%	2,866	12.0%	134,999
15-19	65,856	6.0%	46,200	8.3%	6,212	8.5%	2,572	9.0%	2,791	5.9%	2,243	9.4%	125,874
20-24	66,531	6.0%	54,783	9.8%	6,168	8.4%	2,803	9.8%	3,124	6.6%	1,902	8.0%	135,311
25-29	78,759	7.1%	63,766	11.4%	6,173	8.4%	3,272	11.5%	4,763	10.0%	1,826	7.6%	158,559
30-34	78,005	7.1%	54,918	9.8%	5,974	8.1%	2,663	9.3%	5,515	11.6%	1,412	5.9%	148,487
35-39	81,928	7.4%	44,086	7.9%	5,773	7.9%	2,165	7.6%	4,671	9.8%	1,160	4.9%	139,783
40-44	88,872	8.1%	35,207	6.3%	5,823	7.9%	1,932	6.8%	4,009	8.4%	1,091	4.6%	136,934
45-49	86,854	7.9%	25,503	4.6%	5,181	7.0%	1,472	5.2%	3,148	6.6%	890	3.7%	123,048
50-54	75,859	6.9%	17,843	3.2%	3,813	5.2%	1,030	3.6%	2,427	5.1%	680	2.8%	101,652
55-59	70,350	6.4%	12,697	2.3%	2,914	4.0%	865	3.0%	1,911	4.0%	530	2.2%	89,267
60-64	55,325	5.0%	8,239	1.5%	1,875	2.6%	470	1.6%	1,373	2.9%	368	1.5%	67,650
65-69	42,256	3.8%	5,409	1.0%	1,430	1.9%	350	1.2%	1,064	2.2%	285	1.2%	50,794
70-74	37,260	3.4%	3,655	0.7%	1,022	1.4%	209	0.7%	746	1.6%	214	0.9%	43,106
75+	74,202	6.7%	4,927	0.9%	1,331	1.8%	304	1.1%	1,484	3.1%	276	1.2%	82,524
Total	1,101,988		559,461		73,491		28,563		47,633		23,874		1,835,010

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2005.

Maricopa County Population Statistics

Table 1.11 Maricopa County, Phoenix, and Arizona Population 1980-2009

Year	City of Phoenix	Maricopa County	State of Arizona	Source
1980	789,704	1,509,175	2,726,100	1980 U.S. Census
1984	NA	1,726,398	3,032,400	DES Estimate
1985	NA	1,837,912	3,162,900	1985 Special Census
1986	NA	1,909,998	3,291,600	DES Estimate
1987	NA	1,976,600	3,459,900	DES Estimate
1988	940,662	2,032,000	3,538,400	DES Estimate
1989	968,258	2,089,900	3,617,300	DES Estimate
1990	983,403	2,122,101	3,680,800	1990 U.S. Census
1991	1,005,600	2,181,950	3,767,000	DES Estimate
1992	1,020,285	2,233,700	3,858,850	DES Estimate
1993	1,035,560	2,285,200	3,958,875	DES Estimate
1994	1,059,585	2,338,263	4,071,650	DES Estimate
1995	1,098,684	2,551,765	4,228,900	1995 Special Census
1996	1,149,717	2,634,625	4,462,300	DES Estimate
1997	1,205,285	2,720,576	4,600,275	DES Estimate
1998	1,238,120	2,803,320	4,764,025	DES Estimate
1999	1,263,895	2,879,492	4,924,350	DES Estimate
2000	1,321,045	3,072,149	5,130,632	2000 U.S. Census
2001	1,349,058	3,200,075	5,304,417	U.S. Census Estimate
2002	1,374,124	3,299,127	5,452,108	U.S. Census Estimate
2003	1,396,380	3,391,391	5,591,206	U.S. Census Estimate
2004	1,428,351	3,502,635	5,759,425	U.S. Census Estimate
2005	1,476,331	3,647,131	5,974,834	U.S. Census Estimate
2006	1,517,126	3,776,118	6,192,100	U.S. Census Estimate
2007	1,545,949	3,872,962	6,362,241	U.S. Census Estimate
2008	1,577,812	3,958,263	6,499,377	U.S. Census Estimate
2009	1,601,587	4,023,132	6,595,778	U.S. Census Estimate

II. Maricopa County Five-Year Health Trends

Maricopa County Five-Year Health Trends

**Table 2.01a Selected Underlying Causes of Death 2005-2009,
Number of Deaths**

Cause		2005	2006	2007	2008	2009	
Infectious Diseases	Tuberculosis	6	10	5	5	5	
	Syphilis	0	0	0	0	0	
	HIV	93	89	71	74	62	
Cancer	Stomach	110	92	99	109	93	
	Colon	514	480	506	474	457	
	Pancreas	319	295	345	344	342	
	Lung	1,352	1,432	1,370	1,333	1,410	
	Breast	356	427	395	426	388	
	Uterine & Ovarian	247	220	251	241	252	
	Prostate	293	270	288	304	285	
	Urinary	276	278	265	249	288	
	Lymphoma	220	212	201	242	216	
	Leukemia	207	230	234	218	268	
	Other Cancer	1,283	1,302	1,369	1,344	1,421	
	All Cancer	5,177	5,238	5,323	5,284	5,420	
	Diabetes and Alzheimer's	Diabetes	597	624	583	623	548
Alzheimer's		1,246	1,445	1,454	1,458	1,481	
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Disease	345	368	432	385	423
		Ischemic Heart Disease	4,849	4,523	4,138	4,249	4,132
		Other Heart Disease	817	828	947	838	864
		All Heart Disease	6,011	5,719	5,517	5,472	5,419
	Other Cardio-vascular	Primary Hypertension	264	283	229	326	318
		Cerebrovascular	1,270	1,217	1,114	1,118	1,068
		Atherosclerosis	171	76	60	87	80
		Other Circulatory	200	175	208	188	171
		All Other Cardiovascular	1,905	1,751	1,611	1,719	1,637
Other Respiratory Diseases	Influenza & Pneumonia	715	623	456	539	519	
	Chronic Lower Respiratory	1,506	1,484	1,407	1,504	1,444	
GI & Urinary	Peptic Ulcer	43	43	33	25	26	
	Liver Disease	377	357	356	382	383	
	Nephritis	212	217	214	173	197	
Pregnancy & Early Life	Pregnancy	6	5	6	6	4	
	Perinatal Conditions	181	206	197	183	168	
	Congenital Malformations	123	153	141	133	126	
	SIDS	14	21	22	22	18	
Other Diseases	Symptoms, Signs	511	584	572	447	565	
	Other Diseases	3,574	3,864	3,770	3,690	3,896	
External Causes	Motor Vehicle Collisions ¹	587	643	505	427	355	
	All Other Accidents	1,098	1,162	1,190	1,253	1,241	
	Suicide	486	498	551	535	529	
	Homicide	331	355	329	277	212	
	Other External Causes	92	84	80	69	78	
	All External Causes	2,594	2,742	2,655	2,561	2,415	
Unknown		6	1	16	1	5	
Total		24,897	25,176	24,409	24,301	24,338	

¹ 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, 2005-2009
Crude Death Rate per 100,000 Residents**

Cause		2005	2006	2007	2008	2009	
Infectious Diseases	Tuberculosis	0.2	0.3	0.1	0.1	0.1	
	Syphilis	0.0	0.0	0.0	0.0	0.0	
	HIV	2.5	2.4	1.8	1.9	1.5	
Cancer	Stomach	3.0	2.4	2.6	2.8	2.3	
	Colon	14.1	12.7	13.1	12.0	11.4	
	Pancreas	8.7	7.8	8.9	8.7	8.5	
	Lung	37.1	37.9	35.4	33.7	35.0	
	Breast	9.8	11.3	10.2	10.8	9.6	
	Uterine & Ovarian ¹	13.6	11.7	13.1	12.3	12.6	
	Prostate ¹	16.0	14.2	14.8	15.2	14.0	
	Urinary	7.6	7.4	6.8	6.3	7.2	
	Lymphoma	6.0	5.6	5.2	6.1	5.4	
	Leukemia	5.7	6.1	6.0	5.5	6.7	
	Other Cancer	35.2	34.5	35.3	34.0	35.3	
	All Cancer	141.9	138.7	137.4	133.5	134.7	
	Diabetes and Alzheimer's	Diabetes	16.4	16.5	15.1	15.7	13.6
Alzheimer's		34.2	38.3	37.5	36.8	36.8	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	9.5	9.7	11.2	9.7	10.5
		Ischemic Heart Disease	133.0	119.8	106.8	107.3	102.7
		Other Heart Disease	22.4	21.9	24.5	21.2	21.5
		All Heart Disease	164.8	151.5	142.4	138.2	134.7
	Other Cardiovascular	Primary Hypertension	7.2	7.5	5.9	8.2	7.9
		Cerebrovascular	34.8	32.2	28.8	28.2	26.5
		Atherosclerosis	4.7	2.0	1.5	2.2	2.0
		Other Circulatory	5.5	4.6	5.4	4.7	4.3
		All Other Cardiovascular	52.2	46.4	41.6	43.4	40.7
		Other Respiratory Diseases	Influenza & Pneumonia	19.6	16.5	11.8	13.6
	Chronic Lower Respiratory	41.3	39.3	36.3	38.0	35.9	
GI & Urinary	Peptic Ulcer	1.2	1.1	0.9	0.6	0.6	
	Liver Disease	10.3	9.5	9.2	9.7	9.5	
	Nephritis	5.8	5.7	5.5	4.4	4.9	
Pregnancy & Early Life	Pregnancy ¹	0.3	0.3	0.3	0.3	0.2	
	Perinatal Conditions	5.0	5.5	5.1	4.6	4.2	
	Congenital Malformations	3.4	4.1	3.6	3.4	3.1	
	SIDS ²	0.2	0.3	0.3	0.4	0.3	
Other Diseases	Symptoms, Signs	14.0	15.5	14.8	11.3	14.0	
	Other Diseases	98.0	102.3	97.3	93.2	96.8	
External Causes	Motor Vehicle Collisions ³	16.1	17.0	13.0	10.8	8.8	
	All Other Accidents	30.1	30.8	30.7	31.7	30.8	
	Suicide	13.3	13.2	14.2	13.5	13.1	
	Homicide	9.1	9.4	8.5	7.0	5.3	
	Other External Causes	2.5	2.2	2.1	1.7	1.9	
	All External Causes	71.1	72.6	68.6	64.7	60.0	
Unknown		0.2	0.0	0.4	0.0	0.1	
Total		682.6	666.7	630.2	613.9	605.0	

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

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

³ 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 2005-2009, Number of Deaths

Cause		2005	2006	2007	2008	2009
Infectious Diseases	<i>Clostridium difficile</i>	40	77	87	75	96
	Other Intestinal Infections	4	0	6	10	22
	Septicemia	258	307	308	180	298
	Viral Hepatitis	83	133	78	103	138
	Coccidioidomycosis	19	23	20	9	22
	Other Mycoses	18	24	17	17	18
Cancer	Brain	162	149	133	135	163
	Lip and Oral	72	63	66	69	59
	Skin (Melanoma)	94	99	101	98	121
	Ovarian	149	144	168	130	157
	Testicular	5	0	5	5	6
Other Diseases	Anemias	26	21	30	19	27
	Nutritional Deficiencies	14	9	10	12	22
	Obesity	46	52	49	39	50
	Mental & Behavioral Disorders Due to the Use of Alcohol	115	96	110	94	106
	Parkinson's Disease	290	269	253	273	252
	Multiple Sclerosis	37	53	43	42	38
	Epilepsy	14	13	13	11	17
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	1,168	1,015	958	869	888
	Congestive Heart Failure	149	187	186	138	143
Chronic Lower Respiratory	Emphysema	215	197	148	130	109
	Asthma	38	37	33	20	28
Liver Disease	Alcoholic Liver Disease	223	233	220	259	262
Musculoskeletal	Rheumatoid Arthritis	25	21	20	27	15
	Lupus	20	17	16	14	7
	Osteoporosis	7	6	7	8	6
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	46	64	61	60	65
	Congenital Malformations of the Circulatory System	38	41	46	35	47
	Chromosomal Abnormalities	21	30	24	32	19
External Causes	Falls	434	441	497	480	480
	Drowning	55	56	53	45	54
	Unintentional Poisoning ¹	327	384	418	458	493
	Exposure to Excessive Natural Heat	46	40	20	23	20
	Legal Intervention	4	6	9	8	3
	Accidental Discharge of Firearms	6	7	6	7	5
	Discharge of Firearms, Undetermined Intent	15	7	11	5	3
	Complications of Medical & Surgical Care	22	35	25	25	20

¹ 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 2005-2009,
Crude Death Rate per 100,000 Residents**

Cause		2005	2006	2007	2008	2009
Infectious Diseases	<i>Clostridium difficile</i>	1.1	2.1	2.3	1.9	2.4
	Other Intestinal Infections	0.1	0.0	0.2	0.3	0.6
	Septicemia	7.4	8.4	8.2	4.7	7.5
	Viral Hepatitis	2.4	3.7	2.1	2.7	3.5
	Coccidioidomycosis	0.5	0.6	0.5	0.2	0.6
	Other Mycoses	0.5	0.7	0.5	0.4	0.5
Cancer	Brain	4.6	4.1	3.5	3.5	4.1
	Lip and Oral	2.1	1.7	1.8	1.8	1.5
	Skin (Melanoma)	2.7	2.7	2.7	2.5	3.1
	Ovarian ¹	8.2	7.7	8.7	6.6	7.9
	Testicular ¹	0.3	0.0	0.3	0.3	0.3
Other Diseases	Anemias	0.7	0.6	0.8	0.5	0.7
	Nutritional Deficiencies	0.4	0.2	0.3	0.3	0.6
	Obesity	1.3	1.4	1.3	1.0	1.3
	Mental & Behavioral Disorders Due to the Use of Alcohol	3.3	2.6	2.9	2.4	2.7
	Parkinson's Disease	8.3	7.4	6.7	7.1	6.4
	Multiple Sclerosis	1.1	1.5	1.1	1.1	1.0
	Epilepsy	0.4	0.4	0.3	0.3	0.4
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	33.4	27.9	25.4	22.5	22.5
	Congestive Heart Failure	4.3	5.1	4.9	3.6	3.6
Chronic Lower Respiratory	Emphysema	6.2	5.4	3.9	3.4	2.8
	Asthma	1.1	1.0	0.9	0.5	0.7
Liver Disease	Alcoholic Liver Disease	6.4	6.4	5.8	6.7	6.6
Musculoskeletal	Rheumatoid Arthritis	0.7	0.6	0.5	0.7	0.4
	Lupus	0.6	0.5	0.4	0.4	0.2
	Osteoporosis	0.2	0.2	0.2	0.2	0.2
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	1.3	1.8	1.6	1.6	1.6
	Congenital Malformations of the Circulatory System	1.1	1.1	1.2	0.9	1.2
	Chromosomal Abnormalities	0.6	0.8	0.6	0.8	0.5
External Causes	Falls	12.4	12.1	13.2	12.4	12.1
	Drowning	1.6	1.5	1.4	1.2	1.4
	Unintentional Poisoning ²	9.4	10.6	11.1	11.8	12.5
	Exposure to Excessive Natural Heat	1.3	1.1	0.5	0.6	0.5
	Legal Intervention	0.1	0.2	0.2	0.2	0.1
	Accidental Discharge of Firearms	0.2	0.2	0.2	0.2	0.1
	Discharge of Firearms, Undetermined Intent	0.4	0.2	0.3	0.1	0.1
	Complications of Medical & Surgical Care	0.6	1.0	0.7	0.6	0.5

¹ Ovarian cancer rates are per 100,000 females; testicular cancer rates are per 100,000 males.

² 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 2005-2009
Number of Deaths**

Cause	Year				
	2005	2006	2007	2008	2009
Firearm Induced	546	583	550	511	447
Drug Induced, Including Tobacco	470	569	569	571	618
Drug Related, Including Tobacco	739	825	794	813	824
Drug Related, Excluding Tobacco	539	629	662	656	684
Alcohol Induced	353	338	354	386	407
Alcohol Related	530	550	557	595	631

**Table 2.03b Firearm, Drug, and Alcohol Induced and Related Deaths 2005-2009
Crude Death Rate per 100,000 Residents**

Cause	Year				
	2005	2006	2007	2008	2009
Firearm Induced	15.0	15.4	14.2	12.9	11.1
Drug Induced, Including Tobacco	12.9	15.1	14.7	14.4	15.4
Drug Related, Including Tobacco	20.3	21.8	20.5	20.5	20.5
Drug Related, Excluding Tobacco	14.8	16.7	17.1	16.6	17.0
Alcohol Induced	9.7	9.0	9.1	9.8	10.1
Alcohol Related	14.5	14.6	14.4	15.0	15.7

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 Cases to Residents of Selected Reportable Diseases, 2005-2009

Disease		2005	2006	2007	2008	2009
Vaccine Preventable	<i>H. influenzae</i>	60	54	46	56	50
	Measles	1	0	0	0	0
	Mumps	0	3	4	0	4
	Pertussis	248	21	12	20	65
Central Nervous System	Enceph Viral Other	23	15	10	7	1
	Meningitis Viral/Aseptic	722	624	551	571	435
	Meningococcal Meningitis	20	6	6	4	6
Enterics	Amebiasis	11	10	7	7	0
	Botulism	0	4	0	3	3
	Campylobacteriosis	501	432	586	640	518
	Cholera	0	0	1	0	0
	Cryptosporidiosis	9	19	27	71	24
	<i>E. Coli</i> O157.H7	30	42	44	37	46
	Giardiasis	120	66	96	59	113
	Listeriosis	8	7	8	5	5
	Norovirus ¹	-	-	-	64	40
	Salmonella Paratyphi	0	6	1	5	3
	Salmonellosis	379	432	493	564	556
	Shigellosis	249	381	289	380	521
	Typhoid	4	7	5	2	2
	Mycosis	Coccidioidomycosis	2,461	4,209	3,450	3,525
Zoonoses/ Vectorborne	Bruceellosis	2	3	4	2	1
	Dengue	0	8	1	2	4
	Hantavirus Pulm. Syndrome	1	3	0	0	0
	Lyme Disease	7	6	0	2	1
	Malaria	15	18	7	10	9
	West Nile Virus	79	75	52	90	19
Hepatitides	Hepatitis A	68	91	79	70	30
	Hepatitis B ² (Acute)	239	265	110	115	145
	Hepatitis D	2	0	0	0	0
Other	Legionellosis	15	25	33	21	37
	MRSA	1,109	997	846	915	806
	RSV ¹	-	-	-	109	1,928
	Strep Group A	168	216	106	112	85
	Strep Group B (<90 Days)	31	39	42	34	28
	Strep Pneumo Invasive	474	569	514	574	474
	Toxic Shock Syndrome	1	0	3	1	0
	Vibrio spp.	13	10	7	12	9
	Yersiniosis	1	11	4	4	6
	Hansen's Disease	2	2	1	0	0
	Tuberculosis		169	171	171	109
Sexually Transmitted Diseases	Genital Herpes ³	799	1,213	1,479	969	693
	Gonorrhea	2,915	4,000	3,173	2,135	2,264
	Syphilis – Primary and Secondary	123	163	192	234	160
	Syphilis – All Others	421	542	620	650	496
	Chlamydia	11,330	14,596	14,544	13,426	14,658
	HIV	358	389	404	376	337
	AIDS	306	332	348	386	346
All Others³		22	40	48	290	316
Total		26,247	33,257	31,596	26,668	32,812

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

² 2006 - 2009 figures for Hepatitis B (Acute) include confirmed and probable cases.

³ Refer to Technical Notes for an explanation of the changes.

Maricopa County Five-Year Health Trends

Table 2.04b Case Rates per 100,000 Residents for Selected Reportable Diseases, 2005-2009

Disease		2005	2006	2007	2008	2009
Vaccine Preventable	<i>H. influenzae</i>	1.6	1.4	1.2	1.4	1.2
	Measles	0.0	0	0	0	0
	Mumps	0	0.1	0.0	0	0.1
	Pertussis	6.8	0.6	0.3	0.5	1.6
Central Nervous System	Enceph Viral Other	0.6	0.4	0.3	0.2	0.0
	Meningitis Viral/Aseptic	19.8	16.5	14.2	14.4	10.8
	Meningococcal Meningitis	0.5	0.2	0.2	0.1	0.1
Enterics	Amebiasis	0.3	0.3	0.2	0.2	0
	Botulism	0	0.1	0	0.1	0.1
	Campylobacteriosis	13.7	11.4	15.1	16.2	12.9
	Cholera	0	0	0.0	0	0
	Cryptosporidiosis	0.2	0.5	0.7	1.8	0.6
	<i>E. Coli</i> O157.H7	0.8	1.1	1.1	0.9	1.1
	Giardiasis	3.3	1.7	2.5	1.5	2.8
	Listeriosis	0.2	0.2	0.2	0.1	0.1
	Norovirus ¹	-	-	-	1.6	1.0
	Salmonella Paratyphi	0	0.2	0.0	0.1	0.1
	Salmonellosis	10.4	11.4	12.7	14.2	13.8
	Shigellosis	6.8	10.1	7.5	9.6	13.0
	Typhoid	0.1	0.2	0.1	0.1	0
Mycosis	Coccidioidomycosis	67.5	111.5	89.1	89.1	200.8
Zoonoses/ Vectorborne	Brucellosis	0.1	0.1	0.1	0.1	0.0
	Dengue	0	0.2	0.0	0.1	0.1
	Hantavirus Pulm. Syndrome	0.0	0.1	0	0	0
	Lyme Disease	0.2	0.2	0.0	0.1	0
	Malaria	0.4	0.5	0.2	0.3	0.2
	West Nile Virus	2.2	2.0	1.3	2.3	0.5
Hepatitides	Hepatitis A	1.9	2.4	2.0	1.8	0.7
	Hepatitis B (Acute)	6.6	7.0	2.8	2.9	3.6
	Hepatitis D	0.1	0	0	0	0
Other	Legionellosis	0.4	0.7	0.9	0.5	0.9
	MRSA	30.4	26.4	21.8	23.1	20.0
	RSV ¹	-	-	-	2.8	47.9
	Strep Group A	4.6	5.7	2.7	2.8	2.1
	Strep Group B ²	0.5	0.6	0.6	0.5	0.5
	Strep Pneumo Invasive	13.0	15.1	13.3	14.5	11.8
	Toxic Shock Syndrome	0	0	0.1	0.0	0
	Vibrio spp.	0.4	0.3	0.2	0.3	0.2
	Yersiniosis	0.0	0.3	0.1	0.1	0.1
	Hansen's Disease	0.1	0.1	0	0	0
Tuberculosis		4.6	4.5	4.4	2.8	3.4
Sexually Transmitted Diseases	Genital Herpes ³	21.9	32.1	38.2	24.5	17.2
	Gonorrhea	79.9	105.9	81.9	53.9	56.3
	Syphilis – Primary and Secondary	3.4	4.3	5.0	5.9	4.0
	Syphilis – All Others	11.5	14.4	16.0	16.4	12.3
	Chlamydia	310.7	386.5	375.5	339.2	364.3
	HIV	9.8	10.3	10.4	9.5	8.4
	AIDS	8.4	8.8	9.0	9.8	8.6
All Others³		0.6	1.1	1.2	7.3	7.9
Total		719.7	880.7	815.8	673.7	815.6

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

² Rates for Streptococcus Group B Invasive disease in infants <90 days are per 1,000 live births.

³ Refer to the Technical Notes for an explanation of the sharp changes in the rates over time.

Maricopa County Five-Year Health Trends

**Table 2.05a Congenital Syphilis by Race/Ethnicity and Year
Number of Cases, 2005-2009**

Race/Ethnicity	Year				
	2005	2006	2007	2008	2009
White	1	1	5	3	2
Hispanic	16	7	12	11	7
African American	3	0	1	2	1
American Indian	2	2	2	3	1
Asian	0	0	0	0	1
Other/Unknown	0	0	0	0	0
Total	22	10	20	19	12

**Table 2.05b Congenital Syphilis by Race/Ethnicity and Year
Case Rates per 100,000 Live Births, 2005-2009**

Race/Ethnicity	Year				
	2005	2006	2007	2008	2009
White	3.7	3.5	18.6	11.4	8.1
Hispanic	55.8	23	38.4	40.7	27.5
African American	116.4	0	32.9	61.1	31.2
American Indian	114.4	103.5	197	154.6	57.8
Asian	0	0	0	0	42.6
Other/Unknown	-	-	-	-	-
Total	35.4	15.1	30.3	30.3	20.8

Table 2.06 Hansen's Disease Treatment Visits

	Year				
	2005	2006	2007	2008	2009
Cases Seen for Treatment	22	25	18	8	9

This table includes the number of unique cases seen by Maricopa County Department of Public Health for Hansen's disease treatment each year. The total number of visits for the five-year period may include some duplicate cases who were seen multiple years.

Maricopa County Five-Year Health Trends

Table 2.07a Selected Maternal & Child Health Indicators, 2005-2009

Indicator		2005	2006	2007	2008	2009	
Countywide Indicators	Number of Live Births	62,223	66,162	65,930	62,666	57,655	
	Male Infants of Total Live Births	31,771	33,867	33,829	31,950	29,499	
Number of Live Births to Mothers With Selected Risk Factors	Mothers With <12 Years Education	18,816	19,765	19,707	17,406	14,430	
	Births to Women 10-19 Years Old	7,212	7,904	7,816	7,210	6,246	
	Births to Women 15-17 Years Old	2,582	2,774	2,664	2,548	2,044	
	Births to Women Over 35 Years Old	7,478	8,218	8,372	8,216	7,832	
	Births to Never Married Women	25,574	28,224	29,185	27,656	25,535	
	Tobacco Use During Pregnancy	2,833	2,737	2,495	2,592	2,332	
	Alcohol Use During Pregnancy	397	334	265	320	247	
	Mother with Pre-Existing Cardiac Disease	99	117	111	127	128	
	Mother with Pre-Existing Diabetes	1,713	2,005	2,255	2,563	2,296	
	Mothers with No Medical Risk Factors for Pregnancy	47,616	51,467	49,387	43,933	39,202	
Number of Live Births With Selected Risk Factors Associated with Pregnancy	Induced Labor	12,060	11,185	11,873	13,820	13,194	
	Delivery via C-Section	Primary Cesarean Section	9,030	10,361	10,413	9,804	8,822
		Repeat Cesarean Section	6,826	7,228	7,545	7,722	7,567
	Preterm Births (Less than 37 Weeks)	6,804	7,250	6,991	6,583	6,032	
	Hospital Births	61,837	65,728	65,512	62,300	57,238	
	Method of Payment	AHCCCS	32,242	34,144	34,403	32,972	30,613
		IHS	212	252	320	267	221
		Private Insurance	27,904	29,723	29,238	27,610	25,084
		Self	1,602	1,819	1,695	1,501	1,372
	Prenatal Care	None	1,193	1,382	1,339	944	864
		1 st Trimester	50,090	53,160	52,961	52,056	48,689
		2 nd Trimester	9,107	9,628	9,708	8,046	6,698
		3 rd Trimester	1,797	1,949	1,889	1,561	1,296
	Number of Prenatal Care Visits	0	1,193	1,382	1,339	944	864
		1-4	2,147	2,287	2,134	1,722	1,493
		5-8	9,859	10,455	10,505	9,315	7,933
		9-12	33,038	33,328	31,834	30,633	28,396
		13+	15,932	18,577	20,081	19,986	18,849
	Plurality	Singletons	60,450	64,275	64,065	60,810	55,944
		Twins	1,684	1,788	1,762	1,748	1,633
Singleton Births Receiving Early & Adequate Prenatal Care ¹		42,992	45,554	45,626	44,803	41,988	
Number of Live Births with Selected Risk Factors Associated with the Neonate	Neonatal Intensive Care	3,525	3,326	3,365	3,768	3,841	
	Infants Transferred to Another Facility ¹	346	392	297	350	267	
	Birthweight	Very Low (<1500g)	735	790	818	714	690
		Low (<2500g)	4,253	4,638	3,851	3,663	3,428
		High (>4250g)	1,866	2,104	2,064	1,903	1,668
	Infants With a Neural Tube Defect ²	7	5	11	11	10	
Infants With Fetal Alcohol Syndrome ²	1	0	1	1	0		

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

² 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, 2005-2009

Indicator		2005	2006	2007	2008	2009	
Countywide Indicators	Number of Live Births	62,223	66,162	65,930	62,666	57,655	
	% Male Infants of Total Live Births	51.1%	51.2%	51.3%	51.0%	51.2%	
	Fertility Rate per 1,000 Women Age 15-44 ¹	81.7	84.8	83.4	78.4	69.7	
Percentage of Live Births to Mothers With Selected Risk Factors	% Mothers With <12 Years Education	30.2%	29.9%	29.9%	27.8%	25.0%	
	% Births to Women 10-19 Years Old	11.6%	11.9%	11.9%	11.5%	10.8%	
	% Births to Women 15-17 Years Old	4.1%	4.2%	4.0%	4.1%	3.5%	
	% Births to Women Over 35 Years Old	12.0%	12.4%	12.7%	13.1%	13.6%	
	% Births to Never Married Women	41.1%	42.7%	44.3%	44.1%	44.3%	
	% Tobacco Use During Pregnancy	4.6%	4.1%	3.8%	4.1%	4.0%	
	% Alcohol Use During Pregnancy	0.6%	0.5%	0.4%	0.5%	0.4%	
	% Mother with Pre-Existing Cardiac Disease	0.2%	0.2%	0.2%	0.2%	0.2%	
	% Mother with Pre-Existing Diabetes	2.8%	3.0%	3.4%	4.1%	4.0%	
	% Mothers with No Medical Risk Factors for Pregnancy	76.5%	77.8%	74.9%	70.1%	68.0%	
Percentage of Live Births With Selected Risk Factors Associated with Pregnancy	% Induced Labor		19.4%	16.9%	18.0%	22.1%	22.9%
	Delivery via C-Section	Primary Cesarean Section	14.5%	15.7%	15.8%	15.6%	15.3%
		Repeat Cesarean Section	11.0%	10.9%	11.4%	12.3%	13.1%
	% Preterm Births (Less than 37 Weeks)		10.9%	11.0%	10.6%	10.5%	10.5%
	% Hospital Births		99.4%	99.3%	99.4%	99.4%	99.3%
	Method of Payment	AHCCCS	51.8%	51.6%	52.2%	52.6%	53.1%
		IHS	0.3%	0.4%	0.5%	0.4%	0.4%
		Private Insurance	44.8%	44.9%	44.3%	44.1%	43.5%
		Self	2.6%	2.7%	2.6%	2.4%	2.4%
	Prenatal Care	None	1.9%	2.1%	2.0%	1.5%	1.5%
		1 st Trimester	80.5%	80.3%	80.3%	83.1%	84.4%
		2 nd Trimester	14.6%	14.6%	14.7%	12.8%	11.6%
		3 rd Trimester	2.9%	2.9%	2.9%	2.5%	2.2%
	Number of Prenatal Care Visits	0	1.9%	2.1%	2.0%	1.5%	1.5%
		1-4	3.5%	3.5%	3.2%	2.7%	2.6%
		5-8	15.8%	15.8%	15.9%	14.9%	13.8%
		9-12	53.1%	50.4%	48.3%	48.9%	49.3%
		13+	25.6%	28.1%	30.5%	31.9%	32.7%
	Plurality	Singletons	97.2%	97.1%	97.2%	97.0%	97.0%
		Twins	2.7%	2.7%	2.7%	2.8%	2.8%
% Singleton Births Receiving Early & Adequate Prenatal Care ²		69.1%	68.9%	69.2%	71.5%	72.8%	
Percentage of Live Births with Selected Risk Factors Associated with the Neonate	Neonatal Intensive Care		5.7%	5.0%	5.1%	6.0%	6.7%
	% Infants Transferred to Another Facility ²		0.6%	0.6%	0.5%	0.6%	0.5%
	Birthweight	Very Low (<1500g)	1.2%	1.2%	1.2%	1.1%	1.2%
		Low (<2500g)	6.8%	7.0%	5.8%	5.8%	5.9%
		High (>4250g)	3.0%	3.2%	3.1%	3.0%	2.9%
% Infants With a Neural Tube Defect ³		0.0%	0%	0.0%	0.0%	0%	

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

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

³ Due to the collection method for these data, information is underestimated.

Maricopa County Five-Year Health Trends

Table 2.08 Births by Maternal Indicators for Infant Mortality Rate

Maternal Indicators		2005	2006	2007	2008	2009
Mother's Race	White	27,047	28,364	26,884	26,317	24,721
	Hispanic	28,649	30,523	31,375	28,724	25,449
	African American	2,578	2,840	3,040	3,134	3,203
	American Indian	1,748	1,933	1,905	1,837	1,731
	Asian	2,020	2,304	2,508	2,444	2,349
	Other/Unknown	181	198	218	210	202
Mother's Age	<20	7,212	7,904	7,816	7,210	6,246
	20-29	33,866	36,090	35,508	33,443	30,476
	30-39	19,848	20,752	21,070	20,613	19,493
	40 and Older	1,296	1,415	1,533	1,397	1,439
Mother's Education Level	Less than 6th Grade	1,084	1,292	1,155	1,011	780
	6th-11th Grade	17,732	18,473	18,552	16,395	13,650
	High School Diploma	16,649	18,216	18,258	17,529	16,280
	College or Higher	26,183	27,578	27,161	27,186	26,637
	Unknown	575	603	804	545	308
Birthweight	<1,500 Grams	735	790	818	714	690
	1,500-2,499 Grams	3,518	3,848	3,851	3,663	3,428
	2,500-4,249 Grams	56,099	59,413	59,190	56,383	51,864
	>4,249 Grams	1,866	2,104	2,064	1,903	1,668
	Unknown	5	7	7	3	5

Table 2.09a Infant Mortality by Race/Ethnicity of Mother, 2005-2009 (Linked)

Race/Ethnicity of Mother	2005	2006	2007	2008	2009	Total
White	155	139	159	144	129	726
Hispanic	172	207	186	142	118	825
African American	21	42	37	51	45	196
American Indian	11	7	10	8	13	49
Asian	13	7	10	28	17	75
Other/Unknown	1	2	0	1	1	5
Total	373	404	402	374	323	1876

**Table 2.09b Infant Mortality Rates by Race/Ethnicity of Mother, 2005-2009 (Linked)
Infant Mortality per 1,000 Live Births**

Race/Ethnicity of Mother	2005	2006	2007	2008	2009	Total
White	5.7	4.9	5.9	5.5	5.2	5.4
Hispanic	6.0	6.8	5.9	5.0	4.6	5.7
African American	8.1	14.8	12.2	16.3	14.0	13.2
American Indian	6.3	3.6	5.2	4.2	7.5	5.4
Asian	6.4	3.0	4.0	11.5	7.2	6.5
Other/Unknown	-	-	-	-	-	-
Total	6.0	6.1	6.1	6.0	5.6	6.0

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, 2005-2009 (Linked)

Age of Mother	2005	2006	2007	2008	2009	Total
<20	63	67	52	62	44	288
20-29	208	214	213	187	176	998
30-39	89	114	124	109	92	528
40 and Older	13	9	13	16	11	62
Total	373	404	402	374	323	1,876

Table 2.10b Infant Mortality Rates by Age of Mother, 2005-2009 (Linked)
Infant Mortality per 1,000 Live Births

Age of Mother	2005	2006	2007	2008	2009	Total
<20	8.7	8.5	6.7	6.1	7.0	7.9
20-29	6.1	5.9	6.0	5.3	5.8	5.9
30-39	4.5	5.5	5.9	4.5	4.7	5.2
40 and Older	10.0	6.4	9.8	7.9	7.6	8.8
Total	6.0	6.1	6.1	6.0	5.6	6.0

Table 2.11a Infant Mortality by Educational Level of Mother, 2005-2009 (Linked)

Education Level of Mother	2005	2006	2007	2008	2009	Total
Less Than 6 th Grade	9	7	11	9	5	41
6 th – 11 th Grade	125	137	133	103	83	581
High School Diploma	113	127	105	139	114	598
College or Higher	120	128	142	118	119	627
Unknown	6	5	11	5	2	29
Total	373	404	402	374	323	1,876

Table 2.11b Infant Mortality Rates by Educational Level of Mother, 2005-2009 (Linked)
Infant Mortality per 1,000 Live Births

Education Level of Mother	2005	2006	2007	2008	2009	Total
Less Than 6 th Grade	6.2	8.3	5.4	9.5	6.4	7.7
6 th – 11 th Grade	8.1	7.0	7.4	7.2	6.1	6.9
High School Diploma	6.9	6.8	7.0	5.8	7.0	6.9
College or Higher	4.8	4.6	4.6	5.2	4.5	4.7
Unknown	9.0	10.4	8.3	13.7	6.5	10.2
Total	6.0	6.1	6.1	6.0	5.6	6.0

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, 2005-2009 (Linked)

Birthweight	2005	2006	2007	2008	2009	Total
<1500 Grams	197	215	199	189	174	974
1500-2499 Grams	52	54	63	64	44	277
2500-4249 Grams	121	127	136	118	100	602
>4249 Grams	2	3	4	3	4	16
Unknown	1	5	0	0	1	7
Total	373	404	402	374	323	1,876

Table 2.12b Infant Mortality Rates by Birthweight, 2005-2009 (Linked)
Infant Mortality per 1,000 Live Births

Birthweight	2005	2006	2007	2008	2009	Total
<1500 Grams	268.0	272.2	243.3	264.7	252.2	259.9
1500-2499 Grams	14.8	14.0	16.4	17.5	12.8	15.1
2500-4249 Grams	2.2	2.1	2.3	2.1	1.9	2.1
>4249 Grams	1.1	1.4	1.9	1.6	2.4	1.7
Unknown	200.0	714.3	0	0	200.0	259.3
Total	6.0	6.1	6.1	6.0	5.6	6.0

Table 2.13 Infant Mortality and Rates by Age of Infant, 2005-2009 (Linked & Unlinked)

Infant Mortality		2005	2006	2007	2008	2009
Linked Data	Neonatal (≤ 28 Days)	249	277	286	254	220
	Postnatal (> 28 Days)	124	127	116	120	103
	Total	373	404	402	374	323
Unlinked Data	Neonatal (≤ 28 Days)	253	278	297	257	222
	Postnatal (> 28 Days)	129	128	120	124	107
	Total	382	406	417	381	329
Infant Mortality Rates per 1,000 Live Births		2005	2006	2007	2008	2009
Linked Data	Neonatal (≤ 28 Days)	4.0	4.2	4.3	4.1	3.8
	Postnatal (> 28 Days)	2.0	1.9	1.8	1.9	1.8
	Total	6.0	6.1	6.1	6.0	5.6
Unlinked Data	Neonatal (≤ 28 Days)	4.1	4.2	4.5	4.1	3.9
	Postnatal (> 28 Days)	2.1	1.9	1.8	2.0	1.9
	Total	6.1	6.1	6.3	6.1	5.7

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, 2005-2009
(Linked)**

Linked Infant Mortality		2005	2006	2007	2008	2009
Neonatal (≤ 28 Days)	White	102	101	107	91	82
	Hispanic	123	140	142	100	84
	African American	11	23	23	33	28
	American Indian	4	8	6	5	11
	Asian	8	4	8	24	14
	Other/Unknown	1	1	0	0	1
	Total	249	277	286	254	220
Postnatal (> 28 Days)	White	53	38	52	53	47
	Hispanic	49	63	43	41	34
	African American	10	19	14	18	17
	American Indian	7	3	4	3	2
	Asian	5	3	2	4	3
	Other/Unknown	0	1	0	1	0
	Total	124	127	116	120	103

**Table 2.14b Infant Mortality Rates by Age of Infant and Race/Ethnicity of Mother,
2005-2009 (Linked) Infant Mortality per 1,000 Live Births**

Linked Infant Mortality		2005	2006	2007	2008	2009
Neonatal (≤ 28 Days)	White	3.8	3.6	4.0	3.5	3.3
	Hispanic	4.3	4.6	4.5	3.5	3.3
	African American	4.3	8.1	7.6	10.6	8.7
	American Indian	2.3	4.1	3.1	2.6	6.4
	Asian	4.0	1.7	3.2	9.8	6.0
	Other/Unknown	-	-	-	-	-
	Total	4.0	4.2	4.3	4.1	3.8
Postnatal (> 28 Days)	White	2.0	1.3	1.9	2.0	1.9
	Hispanic	1.7	2.1	1.4	1.4	1.3
	African American	3.9	6.7	4.6	5.8	5.3
	American Indian	4.0	1.6	2.1	1.6	1.2
	Asian	2.5	1.3	0.8	1.6	1.3
	Other/Unknown	-	-	-	-	-
	Total	2.0	1.9	1.8	1.9	1.8

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 2.154a Infant Mortality by Race/Ethnicity of Infant, 2005-2009 (Unlinked)

Race/Ethnicity of Infant	2005	2006	2007	2008	2009	Total
White	142	142	132	122	122	660
Hispanic	182	203	225	167	131	908
African American	27	43	40	51	53	214
American Indian	10	12	9	8	11	50
Asian	13	4	7	20	12	56
Other/Unknown	1	0	0	2	0	3
Total	382	406	417	374	329	1,908

Table 2.15b Infant Mortality Rates by Race/Ethnicity of Infant, 2005-2009 (Unlinked)
Infant Mortality per 1,000 Live Births

Race/Ethnicity of Infant	2005	2006	2007	2008	2009
White	5.2	5.0	4.9	4.6	4.9
Hispanic	6.4	6.7	7.2	5.8	5.1
African American	10.5	15.1	13.2	16.3	16.5
American Indian	5.7	6.2	4.7	4.2	6.4
Asian	6.4	1.7	2.8	8.2	5.1
Other/Unknown	-	-	-	-	-
Total	6.1	6.1	6.3	6.0	5.7

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

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 population for Maricopa County population is from the U.S. Census Bureau, County Population Estimates by Age, Sex, Race and Hispanic Origin for July 1, 2009, released June 10, 2010. This is at <http://www.census.gov/popest/counties/asrh/files/cc-est2009-alldata-04.csv>.
- The population for Arizona is from http://www.census.gov/popest/national/files/NST_EST2009_ALLDATA.csv
- The population for Phoenix is from http://www.census.gov/popest/cities/files/SUB-EST2009_ALL.csv

The population estimates used in this report are from the U.S. Census and based 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.

There are several considerations to keep in mind when using population estimates. First, population estimates may underestimate or overestimate the true population. Second, population estimates have the potential to become less reliable as more time passes from the last census count due to an accumulation of error. In this report, therefore, the 2009 counts are less reliable than the 2005 counts. Third, many of the rates shown in this report 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.

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 (2005-2009) in this report. The table below shows how the U.S. Census variables of “origin” and “race” are used for categorization in this report.

Table 3.1 Race/Ethnicity Categories Used in This Report		
Category Used in This Report	U.S. Census Code “Race”	U.S. Census Code “Origin”
White	Race=1 (White Alone)	Origin=1 (Non-Hispanic)
African American	Race=2 (Black Alone)	Origin=1 (Non-Hispanic)
American Indian	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)
Other/2+ Races	Race=6 (Two or More Races)	Origin=1 (Non-Hispanic)
Hispanic	Race=1,2,3,4,5,6	Origin=2 (Hispanic)

In 2008, the U.S. Census used a new methodology to estimate the race and Hispanic origin of the population. Using birth certificate data from the National Center for Health Statistics (NCHS), the race and Hispanic origin for both the mother and father of the baby were converted to the 1997 Office of Management and Budget (OMB) race categories. From the conversion, the race and Hispanic origin of the child was then calculated. Due to this new methodology, an actual increase in the population for Hispanic origin can be observed, specifically in the under 10 years of age population. For further information please see:

<http://www.census.gov/popest/topics/methodology/2008-est-relnotes.pdf>.

Mortality (Death) Statistics

Mortality (death) statistics are shown in Tables **2.01a** through **2.03b**. Any crude death rate can be calculated by taking the number of deaths from any mortality table in this report and dividing it by the appropriate age, sex, 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/deaths in that category. However, when the number “0.0” is shown, it means that there were fewer than .05 deaths per 100,000 residents. By definition, deaths due to SIDS only occur in infants; as a result, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

All data on mortality statistics are from 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 2008 and two deaths that occurred in 2006 were updated with accurate causes of death. In addition, 5 duplicate records in 2005 were identified and deleted. Therefore, the numbers presented in this report may not precisely match those presented by ADHS in other reports.

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

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 **2.05b**, **2.08b**, **2.13b**, and **2.14b** do not provide a rate for the category labeled “Unknown Race/Ethnicity.” Since the U.S. Census Bureau does not report data on people of ‘unknown race/ethnicity,’ there is no denominator to use for calculating the rate.

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. At the same time, 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, 10th Revision (ICD-1) codes by different methods
- 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 and 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. 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

Cause	ICD-10 Codes Used
<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
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

(Table Continues)

(Table 3.2, Continued)

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 liver disease	K70, K73-K74
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
III Defined Disease Conditions (Symptoms, signs and abnormal clinical and laboratory findings,	R00-R94, R96-R99

(Table Continues)

(Table 3.2, Continued)

not elsewhere classified, excluding SIDS)	
All Other Diseases	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15N20-N23, N28-N98
Motor Vehicle Collisions	V02-V04, V09.0, V09.2, V12-V14, V19.0 - V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0 V89.2
All Other Accidents & Adverse Effects	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9 V90-X29, X31-X59, Y40-Y86, Y88
Falls	W00-W19
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, 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.

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

induced death may be attributed to a long or short term effect of alcohol, such as acute alcohol intoxication or alcoholic cardiomyopathy.

Tables **2.03a** 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 the National Center for Health Statistics (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.

Communicable Disease (Morbidity) Statistics

Communicable disease statistics are shown in Tables **2.04a** through **2.06**. Any morbidity rate except for Streptococcal Group B Invasive disease can be calculated by taking the number of cases from any communicable disease table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** through **1.10**. Streptococcal Group B Invasive disease is only reportable in infants under 90 days; therefore, these numbers are divided by the number of live births, to produce a rate per 1,000 live births.

The data presented in this report include communicable diseases to residents of Maricopa County. This includes Maricopa County residents who acquired a disease in Maricopa County and residents who acquired a disease elsewhere. Non-Maricopa County residents are not included, even if they acquired a disease in Maricopa County. 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.

In previous Health Status Reports, hepatitis B and West Nile virus data were also obtained from the MCDPH. This report uses hepatitis B data for confirmed and probable acute cases from ADHS for 2006-2009. For 2007-2009, data for West Nile virus are from ADHS.

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

Communicable disease data include only confirmed cases, with the exception of West Nile virus, hepatitis B, and Hansen's disease. Data for Hansen's disease includes all confirmed, suspect, and probable cases diagnosed in Maricopa County, including diagnoses to non-county residents, as mentioned earlier. Data for hepatitis B includes confirmed and probable acute cases among Maricopa County residents in 2006-2009. Data for West Nile virus includes confirmed and probable cases among Maricopa County residents

Primary and secondary syphilis is shown as "Syphilis-Prim. and Sec." The "Syphilis - All others" category includes latent and congenital syphilis. These two categories can be added to

determine the total number of syphilis cases. 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 2007-2009 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.

Natality (Birth) Statistics

Natality (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). In addition, one record was identified as duplicate in 2005 and deleted. 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)¹. This index considers both the timing of prenatal care initiation and the number of visits after care was initiated, comparing the number of actual visits to the number of visits recommended by the American College of Obstetricians and Gynecologists. This index does not describe the quality of the care or adjust for maternal risk factors. Only singleton births (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.

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 NCHS²:

- Birth or Live Birth³ – The complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy or birthweight which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.
- Fertility Rate – Number of live births during a calendar year per 1,000 women age 15 to 44.
- Births to Teenage Mothers – Live births occurring to females under age twenty.
- Birth Weight – The weight of a neonate determined immediately after delivery or as soon thereafter as possible.
- Low Birthweight – Any neonate weighing less than 2,500 grams at birth (less than 5 pounds, 8 ounces).

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

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

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

- Very Low Birthweight – Any neonate weighing less than 1,500 grams at births (less than 3 pounds, 4 ounces).
- Preterm – Any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period.
- Infant Death – Any death at any time from birth up to, but not including, the first year of age (<365 days).
- 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 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.

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
- Centers for Disease Control and Prevention, National Center for Health Statistics: www.cdc.gov/nchs
- Department of Economic Security: <https://www.azdes.gov/aspnew/default.asp>