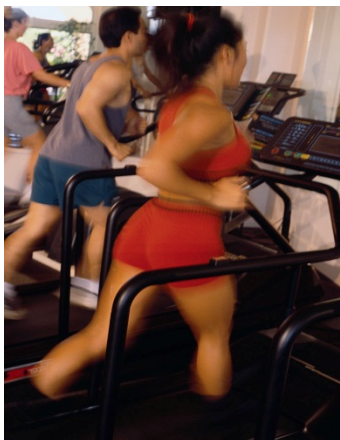


# Maricopa County Health Status Report 2008-2012



## Five Year Trends Reference Tables



Prepared by the Maricopa County Department of Public Health  
Office of Epidemiology  
September, 2014  
Maricopa County

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# Maricopa County Health Status Report 2008-2012

## Five Year Trends: Reference Tables

### Table of Contents

	<b>Introduction</b>	<b>1</b>
<b>I.</b>	<b>Maricopa County Population Statistics – 2008-2012 Tables</b>	<b>2</b>
Table 1.01	Population Estimates by Race/Ethnicity, Age, and Sex, 2012	3
Table 1.02	Population Estimates by Sex, Age, and Race/Ethnicity, 2012	4
Table 1.03	Population Estimates by Race/Ethnicity, Age, and Sex, 2011	5
Table 1.04	Population Estimates by Sex, Age, and Race/Ethnicity, 2011	6
Table 1.05	Population Estimates by Race/Ethnicity, Age, and Sex, 2010	7
Table 1.06	Population Estimates by Sex, Age, and Race/Ethnicity, 2010	8
Table 1.07	Population Estimates by Race/Ethnicity, Age, and Sex, 2009	9
Table 1.08	Population Estimates by Sex, Age, and Race/Ethnicity, 2009	10
Table 1.09	Population Estimates by Race/Ethnicity, Age, and Sex, 2008	11
Table 1.10	Population Estimates by Sex, Age, and Race/Ethnicity, 2008	12
Table 1.11	Maricopa County, Phoenix, and Arizona Population 1980-2012	13
<b>II.</b>	<b>Maricopa County Five-Year Health Trends</b>	<b>14</b>
Table 2.01a	Selected Underlying Causes of Death 2008-2012, Number of Deaths	15
Table 2.01b	Selected Underlying Causes of Death 2008-2012, Crude Death Rate per 100,000 Residents	16
Table 2.02a	Other Selected Underlying Causes of Death 2008-2012, Number of Deaths	17
Table 2.02b	Other Selected Underlying Causes of Death 2008-2012, Crude Death Rate per 100,000 Residents	18
Table 2.03a	Firearm, Drug, and Alcohol Induced and Related Deaths 2008-2012, Number of Deaths	19
Table 2.03b	Firearm, Drug, and Alcohol Induced and Related Deaths 2008-2012, Crude Death Rate per 100,000 Residents	19
Table 2.04a	Selected Maternal & Child Health Indicators, 2008-2012	20
Table 2.04b	Selected Maternal & Child Health Indicator Percentages, 2008-2012	21
Table 2.05	Number of Births by Maternal Indicators for Infant Mortality Rate 2008-2012	22
Table 2.06a	Infant Mortality by Race/Ethnicity of Mother, 2008-2012 (Linked)	22
Table 2.06b	Infant Mortality Rates by Race/Ethnicity of Mother, 2008-2012 (Linked), Infant Mortality per 1,000 Live Births	22
Table 2.07a	Infant Mortality by Age of Mother, 2008-2012 (Linked)	23
Table 2.07b	Infant Mortality Rates by Age of Mother, 2008-2012 (Linked), Infant Mortality per 1,000 Live Births	23
Table 2.08a	Infant Mortality by Educational Level of Mother, 2008-2012 (Linked)	24
Table 2.08b	Infant Mortality Rates by Educational Level of Mother, 2008-2012 (Linked), Infant Mortality per 1,000 Live Births	24
Table 2.09a	Infant Mortality by Birth weight, 2008-2012 (Linked)	25
Table 2.09b	Infant Mortality Rates by Birth weight, 2008-2012 (Linked), Infant Mortality per 1,000 Live Births	25
Table 2.10	Infant Mortality and Rates by Age of Infant, 2008-2012 (Linked & Unlinked)	25
Table 2.11a	Infant Mortality by Age of Infant and Race/Ethnicity of Mother, 2008-2012 (Linked)	26
Table 2.11b	Infant Mortality Rates by Age of Infant and Race/Ethnicity of Mother, 2008-2012 (Linked), Infant Mortality per 1,000 Live Births	26
Table 2.12a	Infant Mortality by Race/Ethnicity of Infant, 2008-2012 (Unlinked)	27

# Maricopa County Health Status Report 2008-2012

## Five Year Trends: Reference Tables

### Table of Contents

Table 2.12b	Infant Mortality Rates by Race/Ethnicity of Infant, 2008-2012 (Unlinked), Infant Mortality per 1,000 Live Births	27
Table 2.13a	Number of Confirmed and Probable Cases of Selected Reported Diseases, 2008-2012	28
Table 2.13b	Case Rates per 100,000 Residents for Selected Reportable Diseases, 2008-2012	29
Table 2.14a	Congenital Syphilis by Race/Ethnicity and Year, Number of Cases, 2008-2012	30
Table 2.14b	Congenital Syphilis by Race/Ethnicity and Year, Case Rates per 100,000 Live Births, 2008-2012	30
Table 2.15	Hansen's Disease Prevalence	30
Table 2.16a	Primary Diagnosis Groups, Inpatient Hospitalizations, 2008-2012, Number of Discharges	31
Table 2.16b	Primary Diagnosis Groups, Inpatient Hospitalizations, 2008-2012, Crude Hospitalization Rate per 100,000 Residents	34
Table 2.17a	Primary Diagnosis Groups, Emergency Department, 2008-2012, Number of Discharges	37
Table 2.17b	Primary Diagnosis Groups, Emergency Department, 2008-2012, Crude Hospitalization Rate per 100,000 Residents	40
<b>III.</b>	<b>Technical Notes</b>	<b>43</b>

## Introduction

This report provides health status information for the years 2008 to 2012 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: 5,868 residents of Maricopa County died due to cancer in 2012.\*
  - Communicable Disease Example: 867 residents of Maricopa County were diagnosed with a confirmed or probable case of Pertussis in 2012.
  - Natality (Birth) Example: There were 637 infants born with a very low birth weight (less than 1500 grams) in 2012.
  
- Rate or percentage of cases in the county
  - Mortality Disease Example: For every 100,000 residents of Maricopa County, 148.8 died due to cancer in 2012.\*
  - Communicable Disease Example: For every 100,000 residents of Maricopa County, 22.0 were diagnosed with Pertussis in 2012.
  - Natality (Birth) Example: Among all live births in 2012, 1.2% were born with a very low birth weight.

All data in this report are for calendar years 2008 through 2012.

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  
2008-2012 Tables***

**Table 1.01 Population Estimates by Sex, Age, and Race/Ethnicity, 2012**

**Age by Sex**

Age	Males		Females		Total	
	No.	%	No.	%	No.	%
0-4	139,924	7.2%	134,235	6.7%	274,159	7.0%
5-9	146,630	7.5%	140,381	7.0%	287,011	7.3%
10-14	144,728	7.4%	138,735	7.0%	283,463	7.2%
15-19	139,768	7.2%	131,531	6.6%	271,299	6.9%
20-24	145,910	7.5%	139,243	7.0%	285,153	7.2%
25-34	282,391	14.5%	274,841	13.8%	557,232	14.1%
35-44	266,104	13.6%	265,855	13.3%	531,959	13.5%
45-54	253,621	13.0%	259,903	13.0%	513,524	13.0%
55-64	202,252	10.4%	224,342	11.3%	426,594	10.8%
65-74	135,459	6.9%	154,693	7.8%	290,152	7.4%
75-84	69,976	3.6%	86,834	4.4%	156,810	4.0%
85+	23,425	1.2%	41,388	2.1%	64,813	1.6%
Total	1,950,188		1,991,981		3,942,169	

**Race/Ethnicity by Sex**

Race/Ethnicity	Males		Females	
	No.	%	No.	%
White	1,121,040	57.5%	1,161,501	58.3%
Hispanic	595,305	30.5%	586,689	29.5%
African American	96,631	5.0%	93,659	4.7%
Amer. Ind., Non-Hisp	29,434	1.5%	33,428	1.7%
Asian	71,216	3.7%	79,095	4.0%
Multiple Races	36,562	1.9%	37,609	1.9%
Total	1,950,188		1,991,981	

**Age by Race/Ethnicity**

Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Total No.
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
0-4	108,518	4.8%	124,913	10.6%	14,269	7.5%	5,195	8.3%	9,550	6.4%	11,714	15.8%	274,159
5-9	119,355	5.2%	126,666	10.7%	14,765	7.8%	5,322	8.5%	10,295	6.8%	10,608	14.3%	287,011
10-14	124,575	5.5%	119,883	10.1%	15,114	7.9%	4,858	7.7%	9,549	6.4%	9,484	12.8%	283,463
15-19	122,382	5.4%	111,759	9.5%	15,627	8.2%	5,066	8.1%	8,680	5.8%	7,785	10.5%	271,299
20-24	138,129	6.1%	106,013	9.0%	17,240	9.1%	6,926	11.0%	10,230	6.8%	6,615	8.9%	285,153
25-34	289,625	12.7%	187,978	15.9%	29,737	15.6%	11,867	18.9%	27,994	18.6%	10,031	13.5%	557,232
35-44	292,855	12.8%	167,974	14.2%	27,018	14.2%	8,856	14.1%	28,178	18.7%	7,078	9.5%	531,959
45-54	336,873	14.8%	119,416	10.1%	25,123	13.2%	7,355	11.7%	19,768	13.2%	4,989	6.7%	513,524
55-64	320,473	14.0%	67,018	5.7%	17,722	9.3%	4,373	7.0%	13,764	9.2%	3,244	4.4%	426,594
65-74	237,754	10.4%	32,072	2.7%	8,635	4.5%	2,108	3.4%	7,905	5.3%	1,678	2.3%	290,152
75-84	134,139	5.9%	13,991	1.2%	3,780	2.0%	712	1.1%	3,475	2.3%	713	1.0%	156,810
85+	57,863	2.5%	4,311	0.4%	1,260	0.7%	224	0.4%	923	0.6%	232	0.3%	64,813
Total	2,282,541		1,181,994		190,290		62,862		150,311		74,171		3,942,169

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2012.

**Table 1.02 Population Estimates by Sex, Age, and Race/Ethnicity, 2012**

Females Age	White		Hispanic		African American		American Indian				Asian		Multiple Races		Total
	No.	%	No.	%	No.	%	Non-Hispanic		Hispanic		No.	%	No.	%	No.
							No.	%	No.	%					
0-4	53,063	4.6%	58,728	10.4%	6,897	7.4%	2,591	7.8%	2,429	11.9%	4,740	6.0%	5,787	15.4%	134,235
5-9	58,142	5.0%	59,834	10.6%	7,161	7.6%	2,679	8.0%	2,324	11.4%	5,116	6.5%	5,125	13.6%	140,381
10-14	60,730	5.2%	56,757	10.0%	7,270	7.8%	2,358	7.1%	2,122	10.4%	4,810	6.1%	4,688	12.5%	138,735
15-19	58,943	5.1%	52,426	9.3%	7,591	8.1%	2,522	7.5%	1,982	9.7%	4,245	5.4%	3,822	10.2%	131,531
20-24	67,942	5.8%	49,294	8.7%	8,117	8.7%	3,572	10.7%	2,133	10.4%	4,816	6.1%	3,369	9.0%	139,243
25-29	71,829	6.2%	44,158	7.8%	7,222	7.7%	3,372	10.1%	1,731	8.5%	6,624	8.4%	2,815	7.5%	137,751
30-34	70,932	6.1%	44,173	7.8%	7,128	7.6%	3,033	9.1%	1,593	7.8%	7,757	9.8%	2,474	6.6%	137,090
35-39	67,208	5.8%	43,210	7.6%	6,552	7.0%	2,537	7.6%	1,376	6.7%	7,682	9.7%	2,005	5.3%	130,570
40-44	77,358	6.7%	38,737	6.8%	6,574	7.0%	2,251	6.7%	1,214	5.9%	7,453	9.4%	1,698	4.5%	135,285
45-49	81,321	7.0%	31,631	5.6%	6,249	6.7%	2,238	6.7%	1,033	5.1%	5,643	7.1%	1,406	3.7%	129,521
50-54	89,221	7.7%	25,851	4.6%	6,289	6.7%	1,940	5.8%	894	4.4%	4,995	6.3%	1,192	3.2%	130,382
55-59	85,782	7.4%	19,522	3.4%	4,899	5.2%	1,431	4.3%	614	3.0%	4,304	5.4%	987	2.6%	117,539
60-64	82,548	7.1%	14,262	2.5%	4,030	4.3%	1,087	3.3%	379	1.9%	3,715	4.7%	782	2.1%	106,803
65-69	72,121	6.2%	10,210	1.8%	2,656	2.8%	751	2.2%	255	1.2%	2,719	3.4%	563	1.5%	89,275
70-74	53,801	4.6%	6,760	1.2%	1,978	2.1%	493	1.5%	156	0.8%	1,870	2.4%	360	1.0%	65,418
75+	110,560	9.5%	10,686	1.9%	3,046	3.3%	573	1.7%	215	1.1%	2,606	3.3%	536	1.4%	128,222
Total	1,161,501		566,239		93,659		33,428		20,450		79,095		37,609		1,991,981
<b>Males</b>															
0-4	55,455	4.9%	61,232	10.7%	7,372	7.6%	2,604	8.8%	2,524	11.7%	4,810	6.8%	5,927	16.2%	139,924
5-9	61,213	5.5%	62,061	10.8%	7,604	7.9%	2,643	9.0%	2,447	11.4%	5,179	7.3%	5,483	15.0%	146,630
10-14	63,845	5.7%	58,901	10.3%	7,844	8.1%	2,500	8.5%	2,103	9.8%	4,739	6.7%	4,796	13.1%	144,728
15-19	63,439	5.7%	55,283	9.6%	8,036	8.3%	2,544	8.6%	2,068	9.6%	4,435	6.2%	3,963	10.8%	139,768
20-24	70,187	6.3%	52,427	9.1%	9,123	9.4%	3,354	11.4%	2,159	10.0%	5,414	7.6%	3,246	8.9%	145,910
25-29	74,263	6.6%	46,661	8.1%	7,877	8.2%	2,919	9.9%	1,917	8.9%	6,751	9.5%	2,543	7.0%	142,931
30-34	72,601	6.5%	45,935	8.0%	7,510	7.8%	2,543	8.6%	1,810	8.4%	6,862	9.6%	2,199	6.0%	139,460
35-39	68,336	6.1%	42,533	7.4%	6,870	7.1%	2,153	7.3%	1,515	7.0%	6,685	9.4%	1,800	4.9%	129,892
40-44	79,953	7.1%	38,101	6.6%	7,022	7.3%	1,915	6.5%	1,288	6.0%	6,358	8.9%	1,575	4.3%	136,212
45-49	80,195	7.2%	32,477	5.7%	6,457	6.7%	1,655	5.6%	1,140	5.3%	4,985	7.0%	1,252	3.4%	128,161
50-54	86,136	7.7%	25,485	4.4%	6,128	6.3%	1,522	5.2%	905	4.2%	4,145	5.8%	1,139	3.1%	125,460
55-59	78,706	7.0%	18,002	3.1%	5,063	5.2%	1,098	3.7%	678	3.2%	3,225	4.5%	884	2.4%	107,656
60-64	73,437	6.6%	13,162	2.3%	3,730	3.9%	757	2.6%	399	1.9%	2,520	3.5%	591	1.6%	94,596
65-69	64,372	5.7%	8,731	1.5%	2,449	2.5%	551	1.9%	254	1.2%	1,888	2.7%	448	1.2%	78,693
70-74	47,460	4.2%	5,565	1.0%	1,552	1.6%	313	1.1%	141	0.7%	1,428	2.0%	307	0.8%	56,766
75+	81,442	7.3%	7,245	1.3%	1,994	2.1%	363	1.2%	156	0.7%	1,792	2.5%	409	1.1%	93,401
Total	1,121,040		573,801		96,631		29,434		21,504		71,216		36,562		1,950,188

Source: United States Census, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2012.



**Table 1.03 Population Estimates by Sex, Age, and Race/Ethnicity , 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.

**Table 1.04 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.

**Table 1.05 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%
Total	1,888,465		1,928,652		3,817,117	

**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%
Total	1,888,465		1,928,652	

**Age by Race/Ethnicity**

Age	White		Hispanic		African American		American Indian		Asian		Multiple Races		Other		Total
	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
Total	2,240,055		1,128,741		177,490		59,252		135,024		71,047		5,508		3,817,117

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

**Table 1.06 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, 2010 Census. Data on this page were used for calculating all rates (denominators) in this report for 2010.

**Table 1.07 Population Estimates by Sex, Age, and Race/Ethnicity, 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.

**Table 1.08 Population Estimates by Sex, Age, and Race/Ethnicity, 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
Total	1,145,362		552,811		86,280		31,875		70,351		33,206		1,919,885
<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
Total	1,106,864		563,807		89,612		28,066		63,305		32,240		1,883,894

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

**Table 1.09 Population Estimates by Sex, Age, and Race/Ethnicity, 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.

**Table 1.10 Population Estimates by Sex, Age, and Race/Ethnicity, 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.



**Table 1.11 Maricopa County, Phoenix, and Arizona Population 1980-2012**

<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
2012	1,488,750	3,942,169	6,553,255	U.S. Census Estimates

Note: 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***

**Table 2.01a Selected Underlying Causes of Death 2008-2012  
Number of Deaths**

Cause of Death		Number of Deaths					
		2008	2009	2010	2011	2012	
Infectious Diseases	Tuberculosis	5	5	10	7	1	
	Syphilis	0	0	0	1	2	
	HIV	74	62	67	60	67	
Cancer	Stomach	109	93	114	116	108	
	Colon	474	457	501	494	532	
	Pancreas	344	342	383	394	461	
	Lung	1,333	1,410	1,445	1,409	1,481	
	Breast	426	388	411	422	432	
	Uterine & Ovarian	241	252	260	298	288	
	Prostate	304	285	273	294	289	
	Urinary	249	288	292	307	297	
	Lymphoma	242	216	190	214	211	
	Leukemia	218	268	222	221	266	
	Other Cancer	1,344	1,421	1,417	1,479	1,503	
	<b>All Cancer</b>	<b>5,284</b>	<b>5,420</b>	<b>5,508</b>	<b>5,648</b>	<b>5,868</b>	
	Diabetes and Alzheimer's	Diabetes	623	548	702	1,000	939
Alzheimer's		1,458	1,481	1,665	1,732	1,518	
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Disease	385	423	370	423	411
		Ischemic Heart Disease	4,249	4,132	3,957	4,145	3,940
		Other Heart Disease	838	864	816	790	885
		<b>All Heart Disease</b>	<b>5,472</b>	<b>5,419</b>	<b>5,143</b>	<b>5,358</b>	<b>5,236</b>
	Other Cardio-vascular	Primary Hypertension	326	318	317	505	481
		Cerebrovascular	1,118	1,068	1,084	1,086	1,090
		Atherosclerosis	87	80	66	62	97
		Other Circulatory	188	171	199	178	176
		<b>All Other Cardiovascular</b>	<b>1,719</b>	<b>1,637</b>	<b>1,666</b>	<b>1,831</b>	<b>1,844</b>
		Other Respiratory Diseases	Influenza & Pneumonia	539	519	296	234
	Chronic Lower Respiratory	1,504	1,444	1,463	1,710	1,647	
GI & Urinary	Peptic Ulcer	25	26	40	35	26	
	Liver Disease	382	383	386	428	459	
	Nephritis	173	197	180	94	131	
Pregnancy & Early Life	Pregnancy	6	4	8	3	6	
	Perinatal Conditions	183	168	144	150	158	
	Congenital Malformations	133	126	114	120	146	
	SIDS	22	18	16	17	9	
Other Diseases	Symptoms, Signs	447	565	751	809	1,178	
	Other Diseases	3,690	3,896	3,839	3,687	3,821	
External Causes	Motor Vehicle Collisions <sup>1</sup>	427	355	336	358	340	
	All Other Accidents	1,253	1,241	1,243	1,304	1,121	
	Suicide	535	529	548	589	553	
	Homicide	277	212	219	202	204	
	<b>Other External Causes</b>	<b>69</b>	<b>78</b>	<b>93</b>	<b>87</b>	<b>103</b>	
<b>All External Causes</b>	<b>2,561</b>	<b>2,415</b>	<b>2,439</b>	<b>2,540</b>	<b>2,540</b>		
Unknown		1	5	1	0	191	
<b>Total</b>		<b>24,301</b>	<b>24,338</b>	<b>24,438</b>	<b>25,464</b>	<b>25,786</b>	

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

**Table 2.01b Selected Underlying Causes of Death 2008-2012**  
**Crude Death Rate per 100,000 Residents**

Cause of Death		Death Rate					
		2008	2009	2010	2011	2012	
Infectious Diseases	Tuberculosis	0.1	0.1	0.3	0.2	0	
	Syphilis	0.0	0.0	0.0	0.0	0.1	
	HIV	2.0	1.6	1.8	1.5	1.7	
Cancer	Stomach	2.9	2.4	3.0	3.0	2.7	
	Colon	12.6	12.0	13.1	12.7	13.5	
	Pancreas	9.1	9.0	10.0	10.2	11.7	
	Lung	35.3	37.1	37.9	36.3	37.6	
	Breast	11.3	10.2	10.8	10.9	11	
	Uterine & Ovarian <sup>1</sup>	12.7	13.1	13.5	15.2	7.3	
	Prostate <sup>1</sup>	16.3	15.1	14.5	15.3	7.3	
	Urinary	6.6	7.6	7.6	7.9	7.5	
	Lymphoma	6.4	5.7	5.0	5.5	5.4	
	Leukemia	5.8	7.0	5.8	5.7	6.7	
	Other Cancer	35.6	37.4	37.1	38.1	38.1	
	All Cancer	140.1	142.5	144.3	145.6	148.8	
	Diabetes and Alzheimer's	Diabetes	16.5	14.4	18.4	25.8	23.8
Alzheimer's		38.7	38.9	43.6	44.6	38.5	
Major Cardio-vascular Diseases	Heart Disease	Hypertensive Heart Disease	10.2	11.1	9.7	10.9	10.4
		Ischemic Heart Disease	112.7	108.6	103.7	106.8	99.9
		Other Heart Disease	22.2	22.7	21.4	20.4	22.4
		All Heart Disease	145.1	142.5	134.7	138.1	132.7
	Other Cardio-vascular	Primary Hypertension	8.6	8.4	8.3	10.9	12.2
		Cerebrovascular	29.6	28.1	28.4	106.8	27.6
		Atherosclerosis	2.3	2.1	1.7	20.4	2.5
		Other Circulatory	5.0	4.5	5.2	10.9	4.5
		All Other Cardiovascular	45.6	43.0	43.6	47.2	46.8
		Other Respiratory Diseases	Influenza & Pneumonia	14.3	13.6	7.8	6.0
	Chronic Lower Respiratory	39.9	38.0	38.3	44.1	41.8	
GI & Urinary	Peptic Ulcer	0.7	0.7	1.0	0.9	0.7	
	Liver Disease	10.1	10.1	10.1	11.0	11.6	
	Nephritis	4.6	5.2	4.7	2.4	3.3	
Pregnancy & Early Life	Pregnancy <sup>1</sup>	0.2	0.1	0.2	0.2	0.2	
	Perinatal Conditions	4.9	4.4	3.8	3.9	4.0	
	Congenital Malformations	3.5	3.3	3.0	3.1	3.7	
	SIDS <sup>2</sup>	0.4	0.3	0.3	0.3	0.2	
Other Diseases	Symptoms, Signs	11.9	14.9	19.7	20.8	29.9	
	Other Diseases	97.9	102.4	100.6	95.0	96.9	
External Causes	Motor Vehicle Collisions <sup>3</sup>	11.3	9.3	8.8	9.2	8.6	
	All Other Accidents	33.2	32.6	32.6	33.6	28.4	
	Suicide	14.2	13.9	14.4	15.2	14.0	
	Homicide	7.3	5.6	5.7	5.2	5.2	
	Other External Causes	1.8	2.1	2.4	2.2	2.6	
	All External Causes	67.9	63.5	63.9	65.5	58.8	
Unknown		0.0	0.1	0.0	0	4.8	
<b>Total</b>		644.4	639.8	640.2	656.2	647.2	

<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.

**Table 2.02a Other Selected Underlying Causes of Death 2008-2012**  
**Number of Deaths**

Cause of Death		Number of Deaths				
		2008	2009	2010	2011	2012
Infectious Diseases	<i>Clostridium difficile</i>	75	96	103	94	86
	Other Intestinal Infections	10	22	23	13	28
	Septicemia	180	298	199	107	107
	Viral Hepatitis	103	138	112	128	165
	Coccidioidomycosis	9	22	22	13	13
	Other Mycoses	17	18	12	7	3
Cancer	Brain	135	163	149	155	217
	Lip and Oral	69	59	63	77	69
	Skin (Melanoma)	98	121	103	102	118
	Ovarian	130	157	156	164	174
	Testicular	5	6	5	6	4
Other Diseases	Anemias	19	27	27	27	23
	Nutritional Deficiencies	12	22	22	26	17
	Obesity	39	50	90	83	115
	Mental & Behavioral Disorders Due to the Use of Alcohol	94	106	108	109	108
	Parkinson's Disease	273	252	270	312	310
	Multiple Sclerosis	42	38	47	41	38
	Epilepsy	11	17	19	19	20
Cardiovascular	Acute Myocardial Infarction	869	888	769	860	833
	Congestive Heart Failure	138	143	130	108	164
Chronic Lower Respiratory	Emphysema	130	109	120	79	58
	Asthma	20	28	32	57	38
Liver Disease	Alcoholic Liver Disease	259	262	299	335	345
Musculoskeletal	Rheumatoid Arthritis	27	15	31	41	27
	Lupus	14	7	12	12	17
	Osteoporosis	8	6	6	11	11
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	60	65	49	42	40
	Congenital Malformations of the Circulatory System	35	47	36	38	40
	Chromosomal Abnormalities	32	19	21	18	26
External Causes	Falls	480	480	494	516	461
	Drowning	45	54	52	54	51
	Unintentional Poisoning <sup>1</sup>	458	493	462	480	413
	Exposure to Excessive Natural Heat	23	20	28	36	38
	Legal Intervention	8	3	7	6	6
	Accidental Discharge of Firearms	7	5	9	4	1
	Discharge of Firearms, Undetermined	5	3	8	4	5
	Complications of Medical & Surgical	25	20	30	29	27

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

**Table 2.02b Other Selected Underlying Causes of Death 2008-2012**  
**Crude Death Rate per 100,000 Residents**

Cause of Death		Death Rate				
		2008	2009	2010	2011	2012
Infectious Diseases	<i>Clostridium difficile</i>	2.0	2.5	2.7	2.4	2.2
	Other Intestinal Infections	0.3	0.6	0.6	0.3	0.7
	Septicemia	4.8	7.8	5.2	2.8	2.7
	Viral Hepatitis	2.7	3.6	2.9	3.3	4.2
	Coccidioidomycosis	0.2	0.6	0.6	0.3	0.3
	Other Mycoses	0.5	0.5	0.3	0.2	0.1
Cancer	Brain	3.6	4.3	3.9	4	5.5
	Lip and Oral	1.8	1.6	1.7	2	1.8
	Skin (Melanoma)	2.6	3.2	2.7	2.6	3
	Ovarian <sup>1</sup>	6.8	8.2	8.1	8.4	4.4
	Testicular <sup>1</sup>	0.3	0.3	0.3	0.3	0.1
Other Diseases	Anemias	0.5	0.7	0.7	0.7	0.6
	Nutritional Deficiencies	0.3	0.6	0.6	0.7	0.4
	Obesity	1.0	1.3	2.4	2.1	2.9
	Mental & Behavioral Disorders Due to the Use of Alcohol	2.5	2.8	2.8	2.8	2.7
	Parkinson's Disease	7.2	6.6	7.1	8	7.9
	Multiple Sclerosis	1.1	1.0	1.2	1.1	1
	Epilepsy	0.3	0.4	0.5	0.5	0.5
Cardiovascular	Acute Myocardial Infarction	23.0	23.3	20.1	22.2	21.1
	Congestive Heart Failure	3.7	3.8	3.4	2.8	4.2
Chronic Lower Respiratory	Emphysema	3.4	2.9	3.1	2	1.5
	Asthma	0.5	0.7	0.8	1.5	1
Liver Disease	Alcoholic Liver Disease	6.9	6.9	7.8	8.6	8.8
Musculoskeletal	Rheumatoid Arthritis	0.7	0.4	0.8	1.1	0.7
	Lupus	0.4	0.2	0.3	0.3	0.4
	Osteoporosis	0.2	0.2	0.2	0.3	0.3
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	1.6	1.7	1.3	1.1	1
	Congenital Malformations of the Circulatory System	0.9	1.2	0.9	1	1
	Chromosomal Abnormalities	0.8	0.5	0.6	0.5	0.7
External Causes	Falls	12.7	12.6	12.9	13.3	11.7
	Drowning	1.2	1.4	1.4	1.4	1.3
	Unintentional Poisoning <sup>2</sup>	12.1	13.0	12.1	12.4	10.5
	Exposure to Excessive Natural Heat	0.6	0.5	0.7	0.9	1
	Legal Intervention	0.2	0.1	0.2	0.2	0.2
	Accidental Discharge of Firearms	0.2	0.1	0.2	0.1	0
	Discharge of Firearms, Undetermined	0.1	0.1	0.2	0.1	0.1
	Complications of Medical & Surgical	0.7	0.5	0.8	0.7	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.

**Table 2.03a Firearm, Drug, and Alcohol Induced and Related Deaths 2008-2012  
Number of Deaths**

Cause of Death	Number of Deaths				
	2008	2009	2010	2011	2012
Firearm Related	511	447	486	510	494
Drug Induced	571	618	604	611	574
Drug Related, Including Tobacco	813	824	3,903	3,984	3,870
Drug Related, Excluding Tobacco	656	684	715	742	713
Alcohol Induced	386	407	447	474	480
Alcohol Related	595	631	680	721	741

**Table 2.03b Firearm, Drug, and Alcohol Induced and Related Deaths 2008-2012  
Crude Death Rate per 100,000 Residents**

Cause of Death	Death Rate				
	2008	2009	2010	2011	2012
Firearm Related	13.6	11.8	12.7	13.1	12.5
Drug Induced	15.1	16.2	15.8	15.7	14.5
Drug Related, Including Tobacco	21.6	21.7	102.2	102.7	98.2
Drug Related, Excluding Tobacco	17.4	18.0	18.7	19.1	18.1
Alcohol Induced	10.2	10.7	11.7	12.2	12.1
Alcohol Related	15.8	16.6	17.8	18.6	18.8

\*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.

**Table 2.04a Selected Maternal & Child Health Indicators 2008-2012**

Maternal and Child Health Indicator		Number of Live Births					
		2008	2009	2010	2011	2012	
<b>Countywide Indicators</b>	Number of Live Births	62,666	57,655	54,235	53,361	54,475	
	Number of Male Infants of Total Live Births	31,950	29,499	27,649	27,284	27,876	
<b>Number of Live Births to Mothers With Selected Risk Factors</b>	Mothers With <12 Years Education	17,406	14,430	12,073	10,704	10,531	
	Births to Women 10-19 Years Old	7,210	6,246	5,342	4,780	4,698	
	Births to Women 15-17 Years Old	2,548	2,044	1,652	1,377	1,445	
	Births to Women Over 35 Years Old	8,216	7,832	7,664	7,901	7,965	
	Births to Never Married Women	27,656	25,535	23,557	22,797	23,784	
	Tobacco Use During Pregnancy	2,592	2,332	2,245	1,997	1,957	
	Alcohol Use During Pregnancy	320	247	237	267	228	
	Mother with Pre-Existing Cardiac Disease	127	128	154	143	130	
	Mother with Pre-Existing Diabetes	2,563	2,296	2,326	2,444	2,782	
	Mothers with No Medical Risk Factors for Pregnancy	43,933	39,202	35,811	34,803	36,095	
<b>Number of Live Births With Selected Risk Factors Associated with Pregnancy</b>	Induced Labor	13,820	13,194	12,598	11,217	10,221	
	Delivery via C-Section	Primary Cesarean Section	9,804	8,822	8,463	8,075	8,105
		Repeat Cesarean Section	7,722	7,567	6,895	7,104	7,335
	Preterm Births (Less than 37 Weeks)	6,583	6,032	5,366	5,116	5,110	
	Hospital Births	62,300	57,238	53,800	52,779	53,819	
	Method of Payment	AHCCCS	32,972	30,613	28,906	27,981	28,389
		IHS	267	221	182	214	244
		Private Insurance	27,610	25,084	23,408	23,418	23,860
		Self	1,501	1,372	1,485	1,525	1,873
	Prenatal Care	None	944	864	686	686	518
		1 <sup>st</sup> Trimester	52,056	48,689	46,571	45,486	46,962
		2 <sup>nd</sup> Trimester	8,046	6,698	5,638	5,697	5,665
		3 <sup>rd</sup> Trimester	1,561	1,296	1,231	1,190	1,202
	Number of Prenatal Care Visits	0	944	864	687	686	518
		1-4	1,722	1,493	1,369	1,378	1,417
		5-8	9,315	7,933	6,625	6,144	6,096
		9-12	30,633	28,396	26,926	25,198	26,031
		13+	19,986	18,849	18,510	19,606	20,264
	Plurality	Singletons	60,810	55,944	52,594	51,832	52,893
		Twins	1,748	1,633	1,592	1,471	1,582
Singleton Births Receiving Early & Adequate Prenatal Care <sup>1</sup>		44,803	41,988	40,007	39,578	41,187	
<b>Number of Live Births with Selected Risk Factors Associated with the Neonate</b>	Neonatal Intensive Care	3,768	3,841	3,429	2,950	2,626	
	Infants Transferred to Another Facility <sup>1</sup>	350	267	217	178	192	
	Birthweight	Very Low (<1500g)	714	690	575	658	637
		Low (<2500g)	3,663	3,428	3,278	3,062	3,094
		High (>4250g)	1,903	1,668	1,606	1,674	1,809
	Infants With a Neural Tube Defect <sup>2</sup>	11	10	11	13	12	
Infants With Fetal Alcohol Syndrome <sup>2</sup>	1	0	3	1	4		

<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.



**Table 2.04b Selected Maternal & Child Health Indicator Percentages 2008-2012**

Maternal and Child Health Indicator		Percent of Live Births					
		2008	2009	2010	2011	2012	
Countywide Indicators	Number of Live Births	62,666	57,655	54,235	54,235	54,475	
	% Male Infants of Total Live Births	51.0%	51.2%	51.0%	51.1%	51.2%	
	Fertility Rate per 1,000 Women Age 15-44 <sup>1</sup>	78.8	72.3	68.4	67.7	66.9	
Percentage of Live Births to Mothers With Selected Risk Factors	% Mothers With <12 Years Education	27.8%	25.0%	22.3%	20.1%	19.3%	
	% Births to Women 10-19 Years Old	11.5%	10.8%	9.8%	9.0%	8.6%	
	% Births to Women 15-17 Years Old	4.1%	3.5%	3.0%	2.6%	2.7%	
	% Births to Women Over 35 Years Old	13.1%	13.6%	14.1%	14.8%	14.6%	
	% Births to Never Married Women	44.1%	44.3%	43.4%	42.7%	43.7%	
	% Tobacco Use During Pregnancy	4.1%	4.0%	4.1%	3.7%	3.6%	
	% Alcohol Use During Pregnancy	0.5%	0.4%	0.4%	0.5%	0.4%	
	% Mother with Pre-Existing Cardiac Disease	0.2%	0.2%	0.3%	0.3%	0.2%	
	% Mother with Pre-Existing Diabetes	4.1%	4.0%	4.3%	4.6%	5.1%	
	% Mothers with No Medical Risk Factors for Pregnancy	70.1%	68.0%	66.0%	65.2%	66.3%	
Percentage of Live Births With Selected Risk Factors Associated with Pregnancy	% Induced Labor	22.1%	22.9%	23.2%	21.0%	18.8%	
	Delivery via C-Section	Primary Cesarean Section	15.6%	15.6%	15.9%	15.1%	14.9%
		Repeat Cesarean Section	12.3%	12.7%	12.9%	13.3%	13.5%
	% Preterm Births (Less than 37 Weeks)	10.5%	10.5%	9.9%	9.6%	9.4%	
	% Hospital Births	99.4%	99.3%	99.2%	98.9%	98.8%	
	Method of Payment	AHCCCS	52.6%	53.1%	53.3%	52.4%	52.1%
		IHS	0.4%	0.4%	0.3%	0.4%	0.4%
		Private Insurance	44.1%	43.5%	43.2%	43.9%	43.8%
		Self	2.4%	2.4%	2.7%	2.9%	3.4%
	Prenatal Care	None	1.5%	1.5%	1.3%	1.3%	1.0%
		1 <sup>st</sup> Trimester	83.1%	84.4%	85.9%	85.2%	86.2%
		2 <sup>nd</sup> Trimester	12.8%	11.6%	10.4%	10.7%	10.4%
		3 <sup>rd</sup> Trimester	2.5%	2.2%	2.3%	2.2%	2.2%
	Number of Prenatal Care Visits	0	1.5%	1.5%	1.3%	1.3%	1.0%
		1-4	2.7%	2.6%	2.5%	2.6%	2.6%
		5-8	14.9%	13.8%	12.2%	11.5%	11.2%
		9-12	48.9%	49.3%	49.6%	47.2%	47.8%
13+		31.9%	32.7%	34.1%	36.7%	37.2%	
Plurality	Singletons	97.0%	97.0%	97.0%	97.1%	97.1%	
	Twins	2.8%	2.8%	2.9%	2.8%	2.9%	
% Singleton Births Receiving Early & Adequate Prenatal Care <sup>2</sup>		71.5%	72.8%	73.8%	74.2%	75.6%	
Percentage of Live Births With Selected Risk Factors Associated with the Neonate	Neonatal Intensive Care		6.0%	6.7%	6.3%	5.5%	4.8%
	% Infants Transferred to Another Facility <sup>2</sup>		0.6%	0.5%	0.4%	0.3%	0.4%
	Birthweight	Very Low (<1500g)	1.1%	1.2%	1.1%	1.2%	1.2%
		Low (<2500g)	5.8%	5.9%	6.0%	5.7%	5.7%
		High (>4250g)	3.0%	2.9%	3.0%	3.1%	3.3%
	% Infants With a Neural Tube Defect <sup>3</sup>		0.00%	0.00%	0.02%	0.02%	0.0%
% Infants with Fetal Alcohol Syndrome <sup>3</sup>		0.00%	0%	0.00%	0.00%	0.0%	

<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.

**Table 2.05 Number of Births by Maternal Indicators for Infant Mortality Rate 2008-2012**

Maternal Indicators		Number of Live Births				
		2008	2009	2010	2011	2012
Mother's Race	White	26,317	24,721	24,485	24,786	24,749
	Hispanic	28,724	25,449	22,413	21,124	21,691
	African American	3,134	3,203	3,215	3,180	3,504
	American Indian	1,837	1,731	1,585	1,586	1,622
	Asian	2,444	2,349	2,335	2,518	2,735
	Other/Unknown	210	202	202	167	174
Mother's Age	<20	7,210	6,246	5,342	4,780	4,698
	20-29	33,443	30,476	28,487	27,853	28,403
	30-39	20,613	19,493	18,972	19,202	19,794
	40 and Older	1,397	1,439	1,434	1,526	1,578
Mother's Education Level	Less than 6th Grade	1,011	780	732	638	583
	6th-11th Grade	16,395	13,650	11,341	10,066	9,948
	High School Diploma	17,529	16,280	15,543	15,088	15,888
	College or Higher	27,186	26,637	26,280	26,769	27,599
	Unknown	545	308	339	800	457
Birthweight	<1,500 Grams	714	690	575	658	637
	1,500-2,499 Grams	3,663	3,428	3,278	3,062	3,094
	2,500-4,249 Grams	56,383	51,864	48,772	47,962	48,933
	>4,249 Grams	1,903	1,668	1,606	1,674	1,809
	Unknown	3	5	4	5	2

**Table 2.06a Infant Mortality by Race/Ethnicity of Mother 2008-2012 (Linked)**

Race/Ethnicity of Mother	Number of Infant Deaths					
	2008	2009	2010	2011	2012	Total
White	144	129	113	126	126	638
Hispanic	142	118	127	120	141	648
African American	51	45	36	30	43	205
American Indian	8	13	10	11	27	69
Asian	28	17	1	1	1	48
Other/Unknown	1	1	18	17	22	59
Total	374	323	305	305	383	1,690

**Table 2.06b Infant Mortality Rates by Race/Ethnicity of Mother, 2008-2012 (Linked)**  
**Infant Mortality per 1,000 Live Births**

Race/Ethnicity of Mother	Infant Mortality Rate per 1,000 Live Births					
	2008	2009	2010	2011	2012	Total
White	5.5	5.2	4.6	5.1	5.1	5.1
Hispanic	4.9	4.6	5.7	5.7	6.5	5.4
African American	16.3	14.0	11.2	9.4	12.3	12.6
American Indian	4.4	7.5	6.3	6.9	16.6	8.3
Asian	11.5	7.2	0.4	0.4	0.4	3.9
Other/Unknown <sup>1</sup>	-	-	-	-	-	-
Total	6.0	5.6	5.6	5.7	7.0	6.0

<sup>1</sup> Rates are not calculated as population (denominator) data is not available for Other/Unknown race and ethnicity.

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

**Table 2.07a Infant Mortality by Age of Mother 2008-2012 (Linked)**

Age of Mother	Number of Infant Deaths					
	2008	2009	2010	2011	2012	Total
<20	62	44	37	45	54	242
20-29	187	176	176	164	189	892
30-39	109	92	84	86	125	496
40 and Older	16	11	8	11	15	61
Total	374	323	305	305	383	1,690

**Table 2.07b Infant Mortality Rates by Age of Mother 2008-2012 (Linked)**  
**Infant Mortality per 1,000 Live Births**

Age of Mother	Infant Mortality Rate per 1,000 Live Births					
	2008	2009	2010	2011	2012	Total
<20	6.1	7.0	6.9	9.4	11.5	8.6
20-29	5.3	5.8	6.2	5.9	6.7	6.0
30-39	4.5	4.7	4.4	4.5	6.3	5.1
40 and Older	7.9	7.6	5.6	7.2	8.3	6.0
Total	6.0	5.6	5.6	5.7	5.7	5.7

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

**Table 2.08a Infant Mortality by Educational Level of Mother 2008-2012 (Linked)**

Education Level of Mother	Number of Infant Deaths					
	2008	2009	2010	2011	2012	Total
Less Than 6 <sup>th</sup> Grade	9	5	3	5	25	47
6 <sup>th</sup> – 11 <sup>th</sup> Grade	103	83	79	70	79	414
High School Diploma	139	114	94	106	121	574
College or Higher	118	119	124	118	153	632
Unknown	5	2	5	6	5	23
Total	374	323	305	305	383	1,690

**Table 2.08b Infant Mortality Rates by Educational Level of Mother 2008-2012 (Linked)**  
**Infant Mortality per 1,000 Live Births**

Education Level of Mother	Infant Mortality Rate per 1,000 Live Births					
	2008	2009	2010	2011	2012	Total
Less Than 6 <sup>th</sup> Grade	8.9	6.4	4.1	7.8	4.2	12.6
6 <sup>th</sup> – 11 <sup>th</sup> Grade	6.3	6.1	7.0	7.0	7.9	6.7
High School Diploma	7.9	7.0	6.0	7.0	7.6	7.1
College or Higher	4.3	4.5	4.7	4.4	5.5	4.7
Unknown <sup>1</sup>	-	-	-	-	-	-
Total	6.0	5.6	5.6	5.7	7.0	6.0

<sup>1</sup> Rates for the Other/Unknown group were excluded to better understand other Education levels' trend

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

**Table 2.09a Infant Mortality by Birthweight 2008-2012 (Linked)**

Birthweight	Number of Infant Deaths					
	2008	2009	2010	2011	2012	Total
<1500 Grams	189	174	152	162	171	848
1500-2499 Grams	64	44	40	50	68	266
2500-4249 Grams	118	100	109	86	121	534
>4249 Grams	3	4	3	6	3	19
Unknown	0	1	1	1	20	23
Total	374	323	305	305	383	1,690

**Table 2.09b Infant Mortality Rates by Birthweight 2008-2012 (Linked)  
Infant Mortality per 1,000 Live Births**

Birthweight	Infant Mortality Rate per 1,000 Live Births					
	2008	2009	2010	2011	2012	Total
<1500 Grams	264.7	252.2	264.3	246.2	268.4	259.0
1500-2499 Grams	17.5	12.8	12.2	16.3	22.0	16.1
2500-4249 Grams	2.1	1.9	2.2	1.8	2.5	2.1
>4249 Grams	1.6	2.4	1.9	3.6	1.7	2.2
Unknown <sup>1</sup>	-	-	-	-	-	-
Total	6.0	5.6	5.6	5.7	7.0	6.0

<sup>1</sup> Rates for the Other/Unknown group were excluded to better understand other Birth weights' trend

**Table 2.10 Infant Mortality and Rates by Age of Infant 2008-2012 (Linked & Unlinked)**

Number of Infant Deaths		2008	2009	2010	2011	2012	Total
Linked Data	Neonatal (≤ 28 Days)	254	220	198	203	254	1,129
	Postnatal (> 28 Days)	120	103	107	102	129	561
	Total	374	323	305	305	383	1,690
Unlinked Data	Neonatal (≤ 28 Days)	257	222	200	203	218	1,100
	Postnatal (> 28 Days)	124	107	111	105	105	552
	Total	381	329	311	308	323	1,652
Infant Mortality Rates per 1,000 Live Births		2008	2009	2010	2011	2012	Total
Linked Data	Neonatal (≤ 28 Days)	4.1	3.8	3.7	3.8	4.7	4.0
	Postnatal (> 28 Days)	1.9	1.8	2.0	1.9	2.4	2.0
	Total	6.1	6.1	6.0	5.3	7.0	6.0
Unlinked Data	Neonatal (≤ 28 Days)	4.1	3.9	3.7	3.8	4.0	3.9
	Postnatal (> 28 Days)	2.0	1.9	2.0	2.0	1.9	2.0
	Total	6.1	6.3	6.1	5.3	5.9	5.9

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

**Table 2.11a Infant Mortality by Age of Infant and Race/Ethnicity of Mother 2008-2012  
(Linked)**

Linked Infant Mortality-Number of Infant Deaths		2008	2009	2010	2011	2012	Total
Neonatal (≤ 28 Days)	White	91	82	75	86	82	416
	Hispanic	100	84	83	79	99	445
	African American	33	28	23	22	30	136
	American Indian	5	11	5	3	17	41
	Asian	24	14	0	0	1	39
	Other/Unknown	0	1	12	13	12	38
	Total	254	220	198	203	254	1,129
Postnatal (> 28 Days)	White	53	47	38	40	44	222
	Hispanic	41	34	44	41	42	202
	African American	18	17	13	8	13	69
	American Indian	3	2	5	8	10	28
	Asian	4	3	1	1	0	9
	Other/Unknown	1	0	6	4	10	21
	Total	120	103	107	102	129	561

**Table 2.11b Infant Mortality Rates by Age of Infant and Race/Ethnicity of Mother  
2008-2012 (Linked) Infant Mortality per 1,000 Live Births**

Linked Infant Mortality-Infant Mortality Rate per 1,000 Live Births		2008	2009	2010	2011	2012	Total
Neonatal (≤ 28 Days)	White	3.5	3.3	3.1	3.5	3.3	1.5
	Hispanic	3.5	3.3	3.7	3.7	4.6	1.6
	African American	10.5	8.7	7.2	6.9	8.6	0.5
	American Indian	2.7	6.4	3.2	1.9	10.5	0.1
	Asian	9.8	6.0	0	0	0.4	0.1
	Other/Unknown <sup>1</sup>	-	-	-	-	-	-
	Total	4.1	3.8	3.7	3.8	4.7	4.0
Postnatal (> 28 Days)	White	2.0	1.9	1.6	1.6	1.8	0.8
	Hispanic	1.4	1.3	2.0	1.9	1.9	0.7
	African American	5.7	5.3	4.0	2.5	3.7	0.2
	American Indian	1.6	1.2	3.2	5.0	6.2	0.1
	Asian	1.6	1.3	0.4	0.4	0.0	0.0
	Other/Unknown <sup>1</sup>	-	-	-	-	-	-
	Total	1.9	1.8	2.0	1.9	2.4	2.0

<sup>1</sup> Rates are not calculated for Other/Unknown race and ethnicity due to unreliable/unstable counts.

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

**Table 2.12a Infant Mortality by Race/Ethnicity of Infant 2008-2012 (Unlinked)**

Race/Ethnicity of Infant	Number of Infant Deaths					
	2008	2009	2010	2011	2012	Total
White	122	122	90	104	115	553
Hispanic	167	131	150	146	163	757
African American	51	53	35	27	45	211
American Indian	8	11	6	7	10	42
Asian	20	12	3	3	4	42
Other/Unknown	2	0	27	11	2	42
Total	370	329	311	308	339	1,657

**Table 2.12b Infant Mortality Rates by Race/Ethnicity of Infant 2008-2012 (Unlinked)**  
**Infant Mortality per 1,000 Live Births**

Race/Ethnicity of Infant	Infant Mortality Rate per 1,000 Live Births				
	2008	2009	2010	2011	2012
White	4.6	4.9	3.7	4.2	4.6
Hispanic	5.8	5.1	6.7	6.9	7.5
African American	16.3	16.5	10.9	8.5	12.8
American Indian	4.2	6.4	3.8	4.4	6.2
Asian	8.2	5.1	1.3	1.2	1.5
Other/Unknown <sup>1</sup>	-	-	-	-	-
Total	6.0	5.7	5.7	5.8	6.4

<sup>1</sup> Rates are not calculated for Other/Unknown race and ethnicity due to unreliable/unstable counts.

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

**Table 2.13a Number of Confirmed and Probable Cases of Selected Diseases<sup>1</sup>, 2008-2012**

Disease		Number of Cases				
		2008	2009	2010	2011	2012
Vaccine Preventable	<i>H. influenzae</i> Type B <sup>2</sup>	3	1	2	1	1
	Measles	0	0	0	1	0
	Mumps	1	4	4	0	3
	Pertussis	197	236	409	698	867
Central Nervous System	Encephalitis Viral Other	7	1	2	4	1
	Aseptic Meningitis, Viral	571	435	642	321	386
	Meningococcal Invasive Disease	4	6	8	14	3
Enterics	Amebiasis	7	0	1	8	5
	Botulism	3	3	0	5	0
	Botulism, Infant <sup>3</sup>	0	0	0	0	1
	Campylobacteriosis	645	520	548	534	526
	Cholera	0	0	0	0	0
	Cryptosporidiosis	71	24	23	32	37
	<i>E. coli</i> O157.H7	49	47	63	79	90
	Giardiasis	60	116	106	73	59
	Listeriosis	5	5	6	6	7
	Norovirus <sup>4,5</sup>	64	40	77	70	113
	Salmonella Paratyphi	5	3	3	3	0
	Salmonellosis	574	560	508	385	430
	Shigellosis	428	553	245	210	211
	Typhoid	2	2	6	1	5
Mycosis	Coccidioidomycosis	3,525	8,078	9,460	13,404	10,148
Zoonoses/ Vectorborne	Brucellosis	2	2	6	3	4
	Dengue	5	5	7	3	7
	Hantavirus Pulm. Syndrome	0	0	0	1	0
	Lyme Disease	8	3	0	7	3
	Malaria	10	9	20	17	15
	West Nile Virus	90	19	115	45	90
Hepatitides	Hepatitis A	70	30	33	56	43
	Hepatitis B (Acute)	115	145	94	135	75
	Hepatitis D	0	0	0	0	0
Other	Legionellosis	21	37	44	28	29
	MRSA, Invasive	915	806	798	805	726
	RSV <sup>4,5</sup>	109	1,928	1,718	2,404	1,922
	Streptococcal Group A Invasive	112	85	101	112	112
	Streptococcal Group B <sup>6</sup> Invasive	34	27	30	24	38
	<i>Streptococcus pneumoniae</i> Invasive	574	474	423	434	387
	Toxic Shock Syndrome	1	1	3	2	1
	<i>Vibrio</i> Infection	12	9	13	16	17
	Yersiniosis	4	6	1	4	8
Hansen's Disease <sup>4</sup>	0	0	0	0	0	
Tuberculosis <sup>4</sup>	109	138	153	117	108	
Sexually Transmitted Diseases	Genital Herpes <sup>4</sup>	969	693	1,128	1,360	1,081
	Gonorrhea <sup>4</sup>	2,135	2,264	2,290	3,236	4,364
	Syphilis – Primary and Secondary <sup>4,7</sup>	234	160	159	200	162
	Syphilis – All Others <sup>4,7</sup>	650	496	475	430	457
	Chlamydia <sup>4</sup>	13,426	14,658	15,616	16,723	19,132
	HIV <sup>4</sup>	376	337	290	315	395
AIDS <sup>4</sup>	386	346	320	249	215	
All Others	290	316	194	546	397	
<b>Total</b>	<b>26,931</b>	<b>33,677</b>	<b>36,204</b>	<b>43,175</b>	<b>43,429</b>	

<sup>1</sup>Unless otherwise indicated, numbers represent confirmed and probable cases.

<sup>2</sup>Beginning with the 2008-2012 report, only *H. influenzae* Type B cases are shown.

<sup>3</sup>Botulism, Infant cases occur among children aged less than 1 year.

<sup>4</sup>Confirmed cases only

<sup>5</sup>Norovirus and respiratory syncytial virus (RSV) were not reported to health departments until April 2008.

<sup>6</sup>Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

<sup>7</sup>Symptoms in adults are divided into four stages (primary, secondary, latent, & late syphilis). For more information please visit [www.cdc.gov](http://www.cdc.gov)



**Table 2.13b Case Rates per 100,000 Residents for Selected Diseases<sup>1</sup>, 2008-2012**

Disease		Rate of Disease				
		2008	2009	2010	2011	2012
Vaccine Preventable	<i>H. influenzae</i> Type B <sup>2</sup>	0.1	0.0	0.1	0.0	0.0
	Measles	0.0	0.0	0.0	0.0	0.0
	Mumps	0.0	0.1	0.1	0.0	0.1
	Pertussis	5.2	6.2	10.7	18.0	22.0
Central Nervous System	Encephalitis Viral Other	0.2	0.0	0.1	0.1	0.0
	Meningitis Viral/Aseptic	15.1	11.4	16.8	8.3	9.8
	Meningococcal Invasive Disease	0.1	0.2	0.2	0.4	0.1
Enterics	Amebiasis	0.2	0.0	0.0	0.2	0.1
	Botulism	0.1	0.1	0.0	0.1	0.0
	Botulism, Infant <sup>3</sup>	0.0	0.0	0.0	0.0	0.4
	Campylobacteriosis	17.1	13.7	14.4	13.8	13.3
	Cholera	0.0	0.0	0.0	0.0	0.0
	Cryptosporidiosis	1.9	0.6	0.6	0.8	0.9
	<i>E. coli</i> O157.H7	1.3	1.2	1.7	2.0	2.3
	Giardiasis	1.6	3.0	2.8	1.9	1.5
	Listeriosis	0.1	0.1	0.2	0.2	0.2
	Norovirus <sup>4,5</sup>	1.7	1.1	2.0	1.8	2.9
	Salmonella Paratyphi	0.1	0.1	0.1	0.1	0.0
	Salmonellosis	15.2	14.7	13.3	9.9	10.9
	Shigellosis	11.3	14.5	6.4	5.4	5.4
Typhoid	0.1	0.1	0.2	0.0	0.1	
Mycosis	Coccidioidomycosis	93.5	212.4	247.8	345.4	257.4
Zoonoses/ Vectorborne	Brucellosis	0.1	0.1	0.2	0.1	0.1
	Dengue	0.1	0.1	0.2	0.1	0.2
	Hantavirus Pulm. Syndrome	0.0	0.0	0.0	0.0	0.0
	Lyme Disease	0.2	0.1	0.0	0.2	0.1
	Malaria	0.3	0.2	0.5	0.4	0.4
	West Nile Virus	2.4	0.5	3.0	1.2	2.3
Hepatitides	Hepatitis A	1.9	0.8	0.9	1.4	1.1
	Hepatitis B (Acute)	3.0	3.8	2.5	3.5	1.9
	Hepatitis D	0.0	0.0	0.0	0.0	0.0
Other	Legionellosis	0.6	1.0	1.2	0.7	0.7
	MRSA, Invasive	24.3	21.2	20.9	20.7	18.4
	RSV <sup>4,5</sup>	2.9	50.7	45	62	48.8
	Streptococcal Group A Invasive	3.0	2.2	2.6	2.9	2.8
	Streptococcal Group B <sup>6</sup> Invasive	0.5	0.5	0.6	0.4	0.7
	<i>Streptococcus pneumoniae</i> Invasive	15.2	12.5	11.1	11.2	9.8
	Toxic Shock Syndrome	0.0	0.0	0.1	0.1	0.0
	<i>Vibrio</i> Infection	0.3	0.2	0.3	0.4	0.4
	Yersiniosis	0.1	0.2	0.0	0.1	0.2
	Hansen's Disease <sup>4</sup>	0.0	0.0	0.0	0.0	0.0
Tuberculosis <sup>4</sup>	2.9	3.6	4.0	3.0	2.7	
Sexually Transmitted Diseases	Genital Herpes <sup>4</sup>	25.7	18.2	29.6	35	27.4
	Gonorrhea <sup>4</sup>	56.6	59.5	60	83.4	110.7
	Syphilis – Primary and Secondary <sup>4,7</sup>	6.2	4.2	4.2	5.2	4.1
	Syphilis – All Others <sup>4,7</sup>	17.2	13	12.4	11.1	11.6
	Chlamydia <sup>4</sup>	356	385.4	409.1	431	485.3
	HIV <sup>4</sup>	10	8.9	7.6	8.1	10.0
AIDS <sup>4</sup>	10.2	9.1	8.4	6.4	5.5	
All Others	7.7	8.3	5.1	14.1	10.1	
<b>Total</b>	<b>714.1</b>	<b>885.4</b>	<b>948.5</b>	<b>1,112.70</b>	<b>1101.7</b>	

<sup>1</sup>Unless otherwise indicated, numbers represent confirmed and probable cases.

<sup>2</sup>Beginning with the 2008-2012 report, only *H. influenzae* Type B cases are shown.

<sup>3</sup>Rates for Botulism, Infant among children aged <1 year are per 100,000 residents in age group '0-4'

<sup>4</sup>Confirmed cases only

<sup>5</sup>Norovirus and respiratory syncytial virus (RSV) were not reported to health departments until April 2008.

<sup>6</sup>Rates for Streptococcus Group B Invasive disease infants <90 days are per 1,000 live births

<sup>7</sup>Symptoms in adults are divided into four stages (primary, secondary, latent, & late syphilis). For more information please visit [www.cdc.gov](http://www.cdc.gov)

**Table 2.14a Congenital Syphilis by Race/Ethnicity and Year  
Number of Cases, 2008-2012**

Race/Ethnicity	Number of Cases				
	2008	2009	2010	2011	2012
White	3	2	7	3	3
Hispanic	11	7	5	4	4
African American	2	1	1	1	2
American Indian	3	1	0	2	1
Asian	0	1	0	0	0
Other/Unknown	0	0	0	0	0
<b>Total</b>	<b>19</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>10</b>

**Table 2.14b Congenital Syphilis by Race/Ethnicity and Year  
Case Rates per 100,000 Live Births, 2008-2012**

Race/Ethnicity	Rate of Disease				
	2008	2009	2010	2011	2012
White	11.4	8.1	28.6	12.1	5.5
Hispanic	40.7	27.5	22.3	18.9	7.3
African American	61.1	31.2	31.1	31.4	3.7
American Indian	154.6	57.8	0	126.1	1.8
Asian	0	42.6	0	0	0
Other/Unknown	-	-	-	-	-
<b>Total</b>	<b>30.3</b>	<b>20.8</b>	<b>23.9</b>	<b>18.7</b>	<b>18.4</b>

**Table 2.15 Hansen's Disease Prevalence<sup>1</sup>**

Total number of cases reported in Maricopa County as of August 15, 2013	
Gender	
Male	17
Female	13
Total	30
Age at Diagnosis	
0-9	0
10-14	0
15-19	0
20-24	1
25-34	8
35-44	4
45-54	4
55-64	5
65 and Older	8
Unknown	0
Total	30

<sup>1</sup>This table includes all known "active" cases of Hansen's disease in Maricopa County, diagnosed between 1955 and 2012. Please note: to be considered "active," the prevalent cases being treated, managed, and followed-up at MCDPH and the Hansen's disease clinic have to be seen by a Hansen's disease physician, physical therapist, or occupational therapist within the past 5 years. Validation of past data revealed cases that were no longer "active," causing a drop in the number of "active" cases between the 2007-2011 five-year trend report and the current 2008-2012 five-year trend report.

**Table 2.16a Primary Diagnosis Groups, Inpatient Hospitalizations, 2008-2012**  
**Number of Discharges**

Primary Diagnosis		Inpatient Discharges					Total
		2008	2009	2010	2011	2012	
<b>Infectious and parasitic diseases</b>	Septicemia	6,838	7,713	9,482	12,849	15,611	52,493
	Other Infectious and parasitic diseases	7,164	7,511	7,962	7,492	7,355	37,484
	All	14,002	15,224	17,444	20,341	22,966	89,977
<b>Neoplasms</b>	Neoplasms - Other Malignant	8,726	8,625	8,501	8,227	8,141	42,220
	Malignant Neoplasm of large intestine & rectum	1,392	1,380	1,341	1,284	1,359	6,756
	Malignant neoplasm of trachea, bronchus & lung	1,499	1,548	1,499	1,369	1,326	7,241
	Malignant neoplasm of breast	706	768	770	692	637	3,573
	Neoplasms - Benign	3,793	3,850	3,595	3,215	2,729	17,182
	Neoplasms - Other	540	611	612	668	642	3,073
	All	16,656	16,782	16,318	15,455	14,834	80,045
<b>Endocrine, nutritional and metabolic diseases, and immunity disorders</b>	Diabetes mellitus	5,678	6,258	6,378	6,793	6,562	31,669
	Volume depletion (dehydration)	191	195	235	229	222	1,072
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	8,865	9,077	8,558	8,437	7,674	42,611
	All	14,734	15,530	15,171	15,459	14,458	75,352
<b>Diseases of the blood and blood-forming organs</b>		3,829	4,255	4,618	4,682	4,604	21,988
<b>Mental disorders</b>	Psychoses	7,384	7,254	7,506	9,117	9,489	40,750
	Alcohol dependence syndrome	272	426	424	598	631	2,351
	Other Mental disorders	1,563	1,721	1,906	2,066	2,087	9,343
	All	9,219	9,401	9,836	11,781	12,207	52,444
<b>Diseases of the nervous system and sense organs</b>		8,863	9,150	9,916	10,346	9,886	48,161
<b>Diseases of the circulatory system</b>	Heart disease	9,564	10,584	11,590	12,010	11,901	55,649
	Acute myocardial infarction	5,293	5,107	5,360	5,271	5,361	26,392
	Coronary atherosclerosis	10,150	9,395	7,593	6,172	4,740	38,050
	Other ischemic heart disease	331	344	335	333	282	1,625
	Cardiac dysrhythmias	8,975	9,031	9,466	9,386	9,428	46,286

(Continued)

(Table 2.16a Continued)

Primary Diagnosis		Inpatient Discharges					Total
		2008	2009	2010	2011	2012	
	Congestive heart failure	3,742	2,746	2,280	1,514	1,034	11,316
	Cerebrovascular disease	9,932	9,935	10,179	10,092	10,118	50,256
	Other Diseases of the circulatory system	10,724	11,067	11,373	10,916	9,632	53,712
	All	58,711	58,209	58,176	55,694	52,496	283,286
<b>Diseases of the respiratory system</b>	Acute bronchitis and bronchiolitis	2,805	2,774	3,148	3,162	2,448	14,337
	Pneumonia	9,673	10,527	10,077	10,096	9,145	49,518
	Chronic bronchitis	4,580	5,020	5,230	5,550	5,065	25,445
	Asthma	4,895	5,528	5,327	4,831	4,517	25,098
	Other Diseases of the respiratory system	11,080	12,035	10,738	11,532	10,764	56,149
	All	33,033	35,884	34,520	35,171	31,939	170,547
<b>Diseases of the digestive system</b>	Appendicitis	5,189	5,202	5,061	4,640	3,779	23,871
	Noninfectious enteritis and colitis	3,417	3,675	4,031	3,938	3,910	18,971
	Cholelithiasis	621	665	896	886	945	4,013
	Other Diseases of the digestive system	31,317	33,629	36,017	35,587	33,708	170,258
	All	40,544	43,171	46,005	45,051	42,342	217,113
<b>Diseases of the genitourinary system</b>	Calculus of kidney and ureter	2,068	2,338	2,663	2,707	2,676	12,452
	Other Diseases of the genitourinary system	20,664	20,755	20,304	19,423	17,815	98,961
	All	22,732	23,093	22,967	22,130	20,491	111,413
<b>Diseases of the skin and subcutaneous tissue</b>	Cellulitis and abscess	8,184	8,587	9,198	9,277	8,909	44,155
	Other Diseases of the skin and subcutaneous tissue	1,195	1,272	1,311	1,294	1,183	6,255
	All	9,379	9,859	10,509	10,571	10,092	50,410
<b>Diseases of the musculoskeletal system and connective tissue</b>	Osteoarthritis and allied disorders	9,317	10,146	10,796	10,815	11,229	52,303
	Intervertebral disc disorders	2,786	2,998	3,176	2,981	2,788	14,729
	Other - Diseases of the musculoskeletal system and connective tissue	9,072	9,375	10,266	9,872	9,467	48,052
	All	21,175	22,519	24,238	23,668	23,484	115,084
<b>Congenital anomalies</b>		1,855	1,812	1,578	1,776	1,657	8,678
<b>Certain conditions originating in the perinatal period</b>		2,817	2,462	2,130	1,923	1,996	11,328

(Continued)

(Table 2.16a Continued)

Primary Diagnosis		Inpatient Discharges					Total
		2008	2009	2010	2011	2012	
<b>Symptoms, signs, and ill-defined conditions</b>		22,229	21,354	23,295	20,699	16,092	103,669
<b>Injury and poisoning</b>	Fracture of neck of femur	3,163	3,319	3,326	3,441	3,382	16,631
	Fractures, all other sites	9,240	9,749	10,020	10,007	9,561	48,577
	Poisonings	4,104	4,304	4,601	4,774	4,709	22,492
	Other Injury and poisoning	20,539	21,714	22,952	22,279	21,293	108,777
	All	37,046	39,086	40,899	40,501	38,945	196,477
<b>Other healthcare encounters</b>	Rehab Services	3,570	5,293	4,142	3,242	2,920	19,167
	Other healthcare encounters	3,168	3,242	2,978	2,922	2,884	15,194
	All	6,738	8,535	7,120	6,164	5,804	34,361
<b>Unknown</b>		0	1	1	0	3	5
<b>Total</b>		<b>312,068</b>	<b>323,563</b>	<b>336,327</b>	<b>341,412</b>	<b>324,293</b>	<b>1,637,663</b>

Note: Pregnant women, newborns, Long Term Acute Care Hospitals, and Rehabilitation Hospitals excluded

**Table 2.16b Primary Diagnosis Groups, Inpatient Hospitalizations, 2008-2012**  
**Crude Hospitalization Rate per 100,000 Residents**

Primary Diagnosis		Inpatient Discharges				
		2008	2009	2010	2011	2012
<b>Infectious and parasitic diseases</b>	Septicemia	181.3	202.8	248.4	331.1	396.0
	Other Infectious and parasitic diseases	190.0	197.5	208.6	193.1	186.6
	All	371.3	400.2	457.0	524.2	582.6
<b>Neoplasms</b>	Neoplasms - Other Malignant	231.4	226.7	222.7	212.0	206.5
	Malignant Neoplasm of large intestine & rectum	36.9	36.3	35.1	33.1	34.5
	Malignant neoplasm of trachea, bronchus & lung	39.8	40.7	39.3	35.3	33.6
	Malignant neoplasm of breast	18.7	20.2	20.2	17.8	16.2
	Neoplasms - Benign	100.6	101.2	94.2	82.9	69.2
	Neoplasms - Other	14.3	16.1	16.0	17.2	16.3
	All	441.7	441.2	427.5	398.3	376.3
<b>Endocrine, nutritional and metabolic diseases, and immunity disorders</b>	Diabetes mellitus	150.6	164.5	167.1	175.1	166.5
	Volume depletion (dehydration)	5.1	5.1	6.2	5.9	5.6
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	235.1	238.6	224.2	217.4	194.7
	All	390.7	408.3	397.4	398.4	366.8
<b>Diseases of the blood and blood-forming organs</b>		101.5	111.9	121.0	120.7	116.8
<b>Mental disorders</b>	Psychoses	195.8	190.7	196.6	235.0	240.7
	Alcohol dependence syndrome	7.2	11.2	11.1	15.4	16.0
	Other Mental disorders	41.4	45.2	49.9	53.2	52.9
	All	244.5	247.1	257.7	303.6	309.7
<b>Diseases of the nervous system and sense organs</b>		235.0	240.6	259.8	266.6	250.8
<b>Diseases of the circulatory system</b>	Heart disease	253.6	278.2	303.6	309.5	301.9
	Acute myocardial infarction	140.4	134.3	140.4	135.8	136.0
	Coronary atherosclerosis	269.2	247.0	198.9	159.1	120.2
	Other ischemic heart disease	8.8	9.0	8.8	8.6	7.2
	Cardiac dysrhythmias	238.0	237.4	248.0	241.9	239.2

(Continued)

(Table 2.16b Continued)

Primary Diagnosis		Inpatient Discharges				
		2008	2009	2010	2011	2012
	Congestive heart failure	99.2	72.2	59.7	39.0	26.2
	Cerebrovascular disease	263.4	261.2	266.7	260.1	256.7
	Other Diseases of the circulatory system	284.4	290.9	297.9	281.3	244.3
	All	1,556.9	1,530.3	1,524.1	1,435.3	1,331.7
<b>Diseases of the respiratory system</b>	Acute bronchitis and bronchiolitis	74.4	72.9	82.5	81.5	62.1
	Pneumonia	256.5	276.8	264.0	260.2	232.0
	Chronic bronchitis	121.5	132.0	137.0	143.0	128.5
	Asthma	129.8	145.3	139.6	124.5	114.6
	Other Diseases of the respiratory system	293.8	316.4	281.3	297.2	273.0
	All	876.0	943.4	904.3	906.4	810.2
<b>Diseases of the digestive system</b>	Appendicitis	137.6	136.8	132.6	119.6	95.9
	Noninfectious enteritis and colitis	90.6	96.6	105.6	101.5	99.2
	Cholelithiasis	16.5	17.5	23.5	22.8	24.0
	Other Diseases of the digestive system	830.5	884.1	943.6	917.1	855.1
	All	1,075.1	1,135.0	1,205.2	1,161.0	1,074.1
<b>Diseases of the genitourinary system</b>	Calculus of kidney and ureter	54.8	61.5	69.8	69.8	67.9
	Other Diseases of the genitourinary system	548.0	545.6	531.9	500.6	451.9
	All	602.8	607.1	601.7	570.3	519.8
<b>Diseases of the skin and subcutaneous tissue</b>	Cellulitis and abscess	217.0	225.7	241.0	239.1	226.0
	Other Diseases of the skin and subcutaneous tissue	31.7	33.4	34.3	33.3	30.0
	All	248.7	259.2	275.3	272.4	256.0
<b>Diseases of the musculoskeletal system and connective tissue</b>	Osteoarthritis and allied disorders	247.1	266.7	282.8	278.7	284.8
	Intervertebral disc disorders	73.9	78.8	83.2	76.8	70.7
	Other - Diseases of the musculoskeletal system and connective tissue	240.6	246.5	268.9	254.4	240.1
	All	561.5	592.0	635.0	610.0	595.7
<b>Congenital anomalies</b>		49.2	47.6	41.3	45.8	42.0
<b>Certain conditions originating in the perinatal period</b>		74.7	64.7	55.8	49.6	50.6

(Continued)

(Table 2.16b Continued)

Primary Diagnosis		Inpatient Discharges				
		2008	2009	2010	2011	2012
<b>Symptoms, signs, and ill-defined conditions</b>		589.5	561.4	610.3	533.4	408.2
<b>Injury and poisoning</b>	Fracture of neck of femur	83.9	87.3	87.1	88.7	85.8
	Fractures, all other sites	245.0	256.3	262.5	257.9	242.5
	Poisonings	108.8	113.2	120.5	123.0	119.5
	Other Injury and poisoning	544.6	570.9	601.3	574.2	540.1
	All	982.4	1,027.6	1,071.5	1,043.8	987.9
<b>Other healthcare encounters</b>	Rehab Services	94.7	139.2	108.5	83.6	74.1
	Other healthcare encounters	84.0	85.2	78.0	75.3	73.2
	All	178.7	224.4	186.5	158.9	147.2
<b>Unknown</b>		0.0	0.0	0.0	0.0	0.1
<b>Total</b>		<b>8,275.3</b>	<b>8,506.4</b>	<b>8,811.0</b>	<b>8,798.7</b>	<b>8,226.3</b>

Note: Pregnant women, newborns, Long Term Acute Care Hospitals, and Rehabilitation Hospitals excluded



**Table 2.17a Primary Diagnosis Groups, Emergency Department, 2008-2012**  
**Number of Discharges**

Primary Diagnosis		Emergency Department Visits					Total
		2008	2009	2010	2011	2012	
<b>Infectious and parasitic diseases</b>	Septicemia	91	77	104	125	188	585
	Other Infectious and parasitic diseases	24,818	30,090	22,126	23,130	24,651	124,815
	All	24,909	30,167	22,230	23,255	24,839	125,400
<b>Neoplasms</b>	Neoplasms - Other Malignant	282	324	355	405	599	1,965
	Malignant Neoplasm of large intestine & rectum	24	13	33	36	57	163
	Malignant neoplasm of trachea, bronchus & lung	63	80	70	99	103	415
	Malignant neoplasm of breast	24	35	33	25	56	173
	Neoplasms - Benign	473	533	582	629	697	2,914
	Neoplasms - Other	116	101	91	141	146	595
	All	982	1,086	1,164	1,335	1,658	6,225
<b>Endocrine, nutritional and metabolic diseases, and immunity disorders</b>	Diabetes mellitus	5,299	5,370	5,407	5,913	6,570	28,559
	Volume depletion (dehydration)	35	24	37	67	40	203
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	9,513	9,301	9,122	10,086	10,803	48,825
	All	14,847	14,695	14,566	16,066	17,413	77,587
<b>Diseases of the blood and blood-forming organs</b>		2,880	2,940	3,167	3,517	3,775	16,279
<b>Mental disorders</b>	Other Mental disorders	19,661	20,863	24,344	26,108	27,458	118,434
	Psychoses	4,584	4,836	5,893	6,723	7,124	29,160
	Alcohol dependence syndrome	1,239	1,201	1,483	1,803	1,773	7,499
	All	25,484	26,900	31,720	34,634	36,355	155,093
<b>Diseases of the nervous system and sense organs</b>		64,280	63,634	61,737	66,872	70,497	327,020
<b>Diseases of the circulatory system</b>	Heart disease	449	452	484	759	959	3,103
	Acute myocardial infarction	390	371	364	441	461	2,027
	Coronary atherosclerosis	249	267	458	640	779	2,393

(Continued)

(Table 2.17a Continued)

Primary Diagnosis		Emergency Department Visits					Total
		2008	2009	2010	2011	2012	
	Other ischemic heart disease	518	481	496	553	637	2,685
	Cardiac dysrhythmias	4,673	4,567	4,763	5,482	5,868	25,353
	Congestive heart failure	1,128	995	1,028	1,132	1,141	5,424
	Cerebrovascular disease	1,534	1,497	1,616	2,169	2,316	9,132
	Other Diseases of the circulatory system	10,995	11,339	12,204	13,987	15,837	64,362
	All	19,936	19,969	21,413	25,163	27,998	114,479
<b>Diseases of the respiratory system</b>	Acute bronchitis and bronchiolitis	15,174	15,160	12,915	14,986	16,583	74,818
	Pneumonia	11,740	14,087	11,944	12,097	12,019	61,887
	Chronic bronchitis	1,938	1,754	1,976	2,419	2,627	10,714
	Asthma	15,581	16,428	16,174	16,236	19,021	83,440
	Other Diseases of the respiratory system	68,978	83,517	63,189	72,370	73,215	361,269
	All	113,411	130,946	106,198	118,135	123,456	592,146
<b>Diseases of the digestive system</b>	Appendicitis	712	749	1,016	1,655	2,394	6,526
	Noninfectious enteritis and colitis	11,353	10,930	10,856	10,367	12,468	55,974
	Cholelithiasis	88	89	91	156	160	584
	Other Diseases of the digestive system	44,699	46,634	48,672	53,868	58,108	251,981
	All	56,852	58,402	60,635	66,046	73,130	315,065
<b>Diseases of the genitourinary system</b>	Calculus of kidney and ureter	10,751	10,868	10,705	11,301	11,231	54,856
	Other Diseases of the genitourinary system	51,543	53,002	55,414	59,082	61,510	280,551
	All	62,294	63,870	66,119	70,383	72,741	335,407
<b>Complications of pregnancy, childbirth, &amp; the puerperium</b>		31,401	30,830	29,694	32,458	35,717	160,100
<b>Diseases of the skin and subcutaneous tissue</b>	Cellulitis and abscess	24,534	23,835	24,405	24,616	24,923	122,313
	Other Diseases of the skin and subcutaneous tissue	17,061	16,783	17,081	17,796	18,183	86,904
	All	41,595	40,618	41,486	42,412	43,106	209,217
<b>Diseases of the musculoskeletal</b>	Osteoarthritis and allied disorders	535	507	559	583	653	2,837

(Continued)

(Table 2.17a Continued)

Primary Diagnosis		Emergency Department Visits					Total
		2008	2009	2010	2011	2012	
system and connective tissue	Intervertebral disc disorders	1,076	1,085	1,089	1,267	1,306	5,823
	Other - Diseases of the musculoskeletal system and connective tissue	66,502	68,997	73,763	79,186	79,784	368,232
	All	68,113	70,589	75,411	81,036	81,743	376,892
Congenital anomalies		305	301	274	325	352	1,557
Certain conditions originating in the perinatal period		1,998	1,697	1,658	1,717	1,915	8,985
Symptoms, signs, and ill-defined conditions	Headache	21,314	23,120	25,007	25,695	25,522	120,658
	Abdominal Pain	59,165	61,377	69,326	75,638	78,437	343,943
	Chest Pain	37,265	39,610	45,259	55,610	62,043	239,787
	Fever	20,047	25,805	17,805	18,238	20,264	102,159
	Nausea/vomiting	18,656	20,888	22,293	22,689	25,076	109,602
	Other Symptoms, signs, and ill-defined conditions	79,225	82,578	84,673	95,746	101,930	444,152
	All	235,672	253,378	264,363	293,616	313,272	1,360,301
Injury and poisoning	Fracture of neck of femur	236	209	207	200	290	1,142
	Fractures, all sites	31,389	30,333	30,882	30,503	31,405	154,512
	Poisonings	9,607	10,320	10,797	11,530	11,056	53,310
	Injury and poisoning	194,242	196,842	201,705	206,213	208,183	1,007,185
	All	235,474	237,704	243,591	248,446	250,934	1,216,149
Newborn Infant		8	5	13	6	5	37
Other Healthcare Encounters		21,056	23,137	23,947	27,128	26,820	122,088
Unknown		18	1	2	0	0	21
<b>Total</b>		<b>1,021,515</b>	<b>1,070,869</b>	<b>1,069,388</b>	<b>1,152,550</b>	<b>1,205,735</b>	<b>5,520,057</b>

**Table 2.17b Primary Diagnosis Groups, Emergency Department, 2008-2012**  
**Crude Rates per 100,000 Residents**

Primary Diagnosis		Rate of Emergency Department Visits				
		2008	2009	2010	2011	2012
<b>Infectious and parasitic diseases</b>	Septicemia	2.4	2.0	2.7	3.2	4.8
	Other Infectious and parasitic diseases	658.1	791.1	579.7	596.1	625.3
	All	660.5	793.1	582.4	599.3	630.1
<b>Neoplasms</b>	Neoplasms - Other Malignant	7.5	8.5	9.3	10.4	15.2
	Malignant Neoplasm of large intestine & rectum	0.6	0.3	0.9	0.9	1.4
	Malignant neoplasm of trachea, bronchus & lung	1.7	2.1	1.8	2.6	2.6
	Malignant neoplasm of breast	0.6	0.9	0.9	0.6	1.4
	Neoplasms - Benign	12.5	14.0	15.2	16.2	17.7
	Neoplasms - Other	3.1	2.7	2.4	3.6	3.7
	All	26.0	28.6	30.5	34.4	42.1
<b>Endocrine, nutritional and metabolic diseases, and immunity disorders</b>	Diabetes mellitus	140.5	141.2	141.7	152.4	166.7
	Volume depletion (dehydration)	0.9	0.6	1.0	1.7	1.0
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	252.3	244.5	239.0	259.9	274.0
	All	393.7	386.3	381.6	414.0	441.7
<b>Diseases of the blood and blood-forming organs</b>		76.4	77.3	83.0	90.6	95.8
<b>Mental disorders</b>	Psychoses	521.4	548.5	637.8	672.8	696.5
	Alcohol dependence syndrome	121.6	127.1	154.4	173.3	180.7
	Other Mental disorders	32.9	31.6	38.9	46.5	45.0
	All	675.8	707.2	831.0	892.6	922.2
<b>Diseases of the nervous system and sense organs</b>		1,704.6	1,672.9	1,617.4	1,723.4	1,788.3
<b>Diseases of the circulatory system</b>	Heart disease	11.9	11.9	12.7	19.6	24.3
	Acute myocardial infarction	10.3	9.8	9.5	11.4	11.7
	Coronary atherosclerosis	6.6	7.0	12.0	16.5	19.8
	Other ischemic heart disease	13.7	12.6	13.0	14.3	16.2
	Cardiac dysrhythmias	123.9	120.1	124.8	141.3	148.9

(Continued)

(Table 2.17b Continued)

Primary Diagnosis		Rate of Emergency Department Visits				
		2008	2009	2010	2011	2012
	Congestive heart failure	29.9	26.2	26.9	29.2	28.9
	Cerebrovascular disease	40.7	39.4	42.3	55.9	58.7
	Other Diseases of the circulatory system	291.6	298.1	319.7	360.5	401.7
	All	528.7	525.0	561.0	648.5	710.2
<b>Diseases of the respiratory system</b>	Acute bronchitis and bronchiolitis	402.4	398.6	338.3	386.2	420.7
	Pneumonia	311.3	370.3	312.9	311.8	304.9
	Chronic bronchitis	51.4	46.1	51.8	62.3	66.6
	Asthma	413.2	431.9	423.7	418.4	482.5
	Other Diseases of the respiratory system	1,829.1	2,195.6	1,655.4	1,865.1	1,857.2
	All	3,007.4	3,442.5	2,782.2	3,044.5	3,131.7
<b>Diseases of the digestive system</b>	Appendicitis	18.9	19.7	26.6	42.7	60.7
	Noninfectious enteritis and colitis	301.1	287.3	284.4	267.2	316.3
	Cholelithiasis	2.3	2.3	2.4	4.0	4.1
	Other Diseases of the digestive system	1,185.3	1,226.0	1,275.1	1,388.3	1,474.0
	All	1,507.6	1,535.4	1,588.5	1,702.1	1,855.1
<b>Diseases of the genitourinary system</b>	Calculus of kidney and ureter	285.1	285.7	280.4	291.2	284.9
	Other Diseases of the genitourinary system	1,366.8	1,393.4	1,451.7	1,522.6	1,560.3
	All	1,651.9	1,679.1	1,732.2	1,813.9	1,845.2
<b>Complications of pregnancy, childbirth, &amp; the puerperium</b>		832.7	810.5	777.9	836.5	906.0
<b>Diseases of the skin and subcutaneous tissue</b>	Cellulitis and abscess	650.6	626.6	639.4	634.4	632.2
	Other Diseases of the skin and subcutaneous tissue	452.4	441.2	447.5	458.6	461.2
	All	1,103.0	1,067.8	1,086.8	1,093.0	1,093.5
<b>Diseases of the musculoskeletal system and connective tissue</b>	Osteoarthritis and allied disorders	14.2	13.3	14.6	15.0	16.6
	Intervertebral disc disorders	28.5	28.5	28.5	32.7	33.1
	Other - Diseases of the musculoskeletal system and connective tissue	1,763.5	1,813.9	1,932.4	2,040.7	2,023.9
	All	1,806.2	1,855.8	1,975.6	2,088.4	2,073.6
<b>Congenital anomalies</b>		8.1	7.9	7.2	8.4	8.9

(Continued)

(Table 2.17b Continued)

Primary Diagnosis		Rate of Emergency Department Visits				
		2008	2009	2010	2011	2012
<b>Certain conditions originating in the perinatal period</b>		53.0	44.6	43.4	44.2	48.6
<b>Symptoms, signs, and ill-defined conditions</b>	Headache	565.2	607.8	655.1	662.2	647.4
	Abdominal Pain	1,568.9	1,613.6	1,816.2	1,949.3	1,989.7
	Chest Pain	988.2	1,041.3	1,185.7	1,433.2	1,573.8
	Fever	531.6	678.4	466.5	470.0	514.0
	Nausea/vomiting	494.7	549.1	584.0	584.7	636.1
	Other Symptoms, signs, and ill-defined conditions	2,100.9	2,170.9	2,218.2	2,467.5	2,585.6
	All	6,249.5	6,661.2	6,925.7	7,566.9	7,946.7
<b>Injury and poisoning</b>	Fracture of neck of femur	6.3	5.5	5.4	5.2	7.4
	Fractures, all other sites	832.4	797.4	809.0	786.1	796.6
	Poisonings	254.8	271.3	282.9	297.1	280.5
	Other Injury and poisoning	5,150.9	5,174.9	5,284.2	5,314.4	5,280.9
	All	6,244.2	6,249.2	6,381.5	6,402.8	6,365.4
<b>Newborn Infant</b>		0.2	0.1	0.3	0.2	0.1
<b>Other Healthcare Encounters</b>		558.4	608.3	627.4	699.1	680.3
<b>Unknown</b>		0.5	0.0	0.1	0.0	0.0
<b>Total</b>		<b>27,088.3</b>	<b>28,152.8</b>	<b>28,015.6</b>	<b>29,703.0</b>	<b>30,585.6</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 population for 2012 is from the U.S. Census Bureau, County Characteristics Datasets: Annual County Resident Population Estimates by Age, Sex, Race, and Hispanic Origin: April 1, 2010 to July 1, 2012. This is at <http://www.census.gov/popest/data/counties/asrh/2012/CC-EST2012-ALLDATA.html>.
- 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 population for 2012 is from the U.S. Census Bureau, Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2012. This is at <http://www.census.gov/popest/data/state/totals/2012/tables/NST-EST2012-01.xls>.
- 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 for 2012 is from the U.S. Census Bureau, Annual Estimates of the Resident Population for Incorporated Places Over 50,000, Ranked by July 1, 2012 Population: April 1, 2010 to July 1, 2012. This is at <http://factfinder2.census.gov/bkmk/table/1.0/en/PEP/2012/PEPANRNSIP.US12A>.

The population estimates used in this report for 2008-2009 are from the U.S. Census and based on the Census 2000 and Census 2010 population. The 2010 decennial census population was used for 2010, and US Census annual population estimates were used for 2011 and 2012. Reports published prior to 2010 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 2001 through 2009.

The intercensal population estimates for 2008-2009 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 (2008-2012) 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>Table 3.1 Race/Ethnicity Categories Used in This Report</b>		
<b>Category Used in This Report</b>	<b>U.S. Census Code “Race”</b>	<b>U.S. Census Code “Origin”</b>
White	Race=1 (White Alone)	Origin=1 (Non-Hispanic)
African American	Race=2 (Black Alone)	Origin=1 (Non-Hispanic)
American Indian	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 are 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 200,000 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.



Table **2.14b**, does 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-10) 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
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

(Table Continues)

(Table 3.2, Continued)

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
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

(Table Continues)

(Table 3.2, Continued)

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.

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.

### ***Natality (Birth) Statistics***

Natality (birth) statistics are shown in Tables **2.04a** through **2.05**.

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.

### ***Infant Mortality Statistics***

Infant mortality statistics are shown in Tables **2.06a** through **2.12b**.

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.

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

The infant mortality rates for older and younger maternal age groups (fewer than 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 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.

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

Communicable disease statistics are shown in Tables **2.13a** through **2.15**.

<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.

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 known "active" cases of Hansen's disease in Maricopa County, diagnosed between 1955 and 2012. To be considered "active," the prevalent cases being treated, managed, and followed-up at MCDPH and the Hansen's disease clinic have to be seen by a Hansen's disease physician, physical therapist, or occupational therapist within the past five years. This includes all confirmed, suspect, and probable cases diagnosed in Maricopa County, including diagnoses to non-county residents, as mentioned earlier. Other reports or releases may show different prevalence rates, as validation of past data revealed cases that were no longer "active," causing a drop in the number of "active" cases between the 2007-2011 five-year trend report and the current 2008-2012 five-year trend report.

Primary and secondary syphilis are shown as "Syphilis-Primary and Secondary." 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 **2.14a** and **2.14b**.

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 "active" cases from all years) is shown.

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 Other" 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 2008-2012 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 **2.13a** and **2.13b**, 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.

**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.

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

(Table Continues)



(Table 3.3, Continued)

<b>Category of Principal Diagnoses</b>	<b>ICD-9-CM Code</b>
Malignant neoplasm - breast	174–175,198.81
Benign neoplasms	210–229
<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)