

Maricopa County Health Status Report 2010



Reference Tables



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

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Introduction

This report provides health status information for the year 2010 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: 5,508 residents of Maricopa County died due to cancer in 2010.*
 - Communicable Disease Example: 63 residents of Maricopa County were diagnosed with a confirmed case of Pertussis in 2010.
 - Natality (Birth) Example: There were 575 infants born with a very low birthweight (less than 1500 grams) in 2010.

- Rate or percentage of cases in the county
 - Mortality Disease Example: For every 100,000 residents of Maricopa County, 144.3 died due to cancer in 2010.*
 - Communicable Disease Example: For every 100,000 residents of Maricopa County, 1.7 were diagnosed with Pertussis in 2010.
 - Natality (Birth) Example: Among all live births in 2010, 1.1% were born with a very low birthweight.

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 2010 Population Statistics

Maricopa County 2010 Population Statistics

Table 1.01 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.	%	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, Population Estimates Division. Data on this page were used for calculating all rates (denominators) in this report for 2010.

Maricopa County 2010 Population Statistics

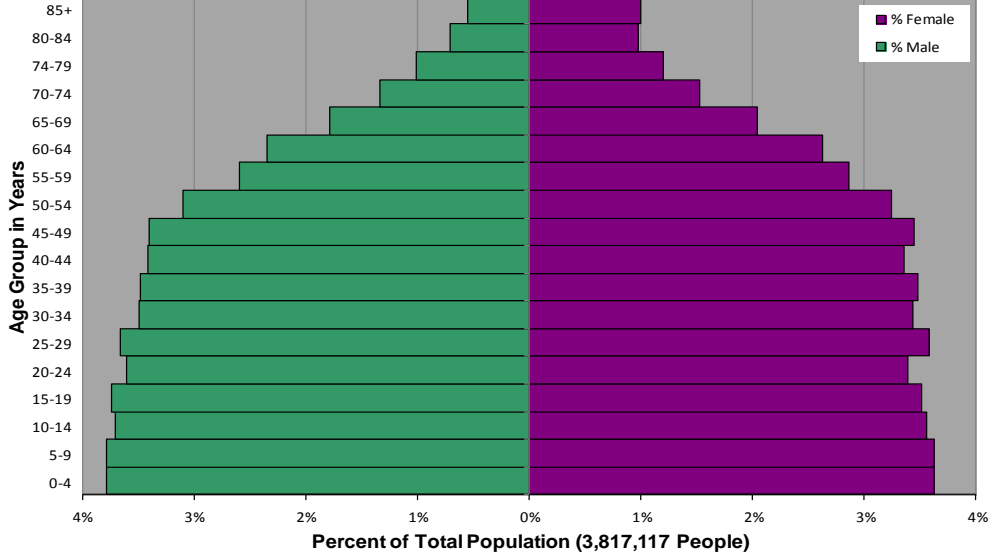
Table 1.02 Population Estimates by Sex, Age, and Race/Ethnicity, 2010

Females Age	White		Hispanic		African American		American Indian		Asian		Multiple		Other/2+ Races		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
Males															
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

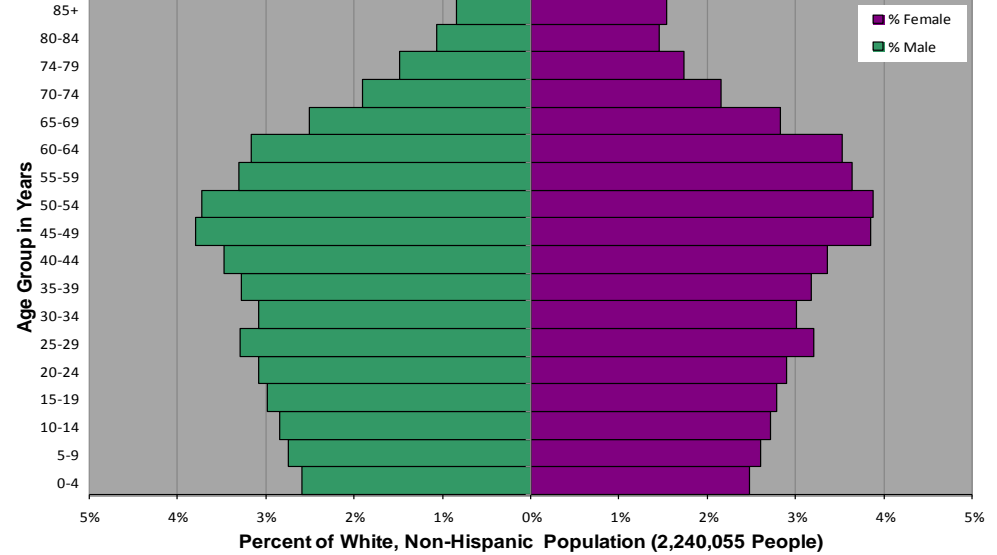
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Maricopa County 2010 Population Statistics

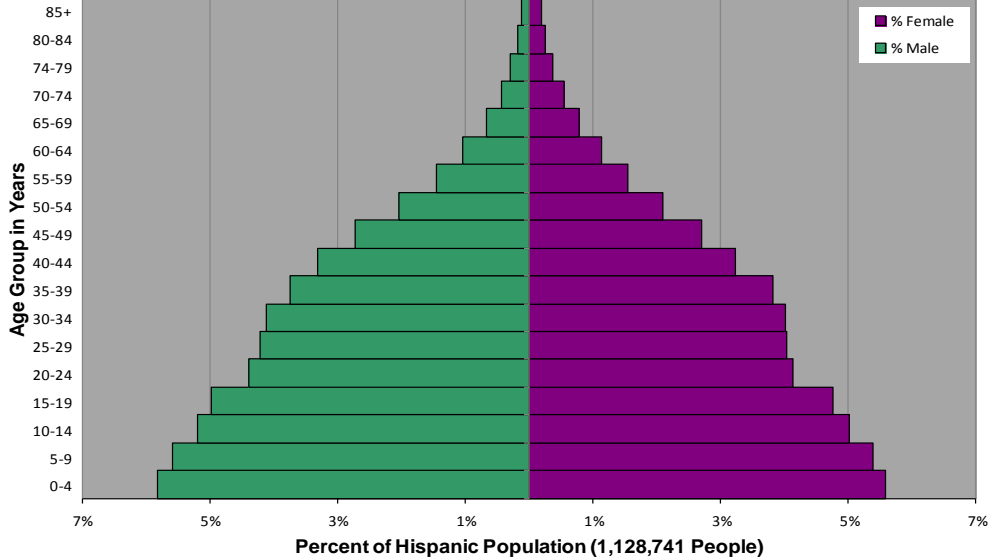
Population Pyramid for Maricopa County by Age and Sex, 2010
All Race/Ethnicities



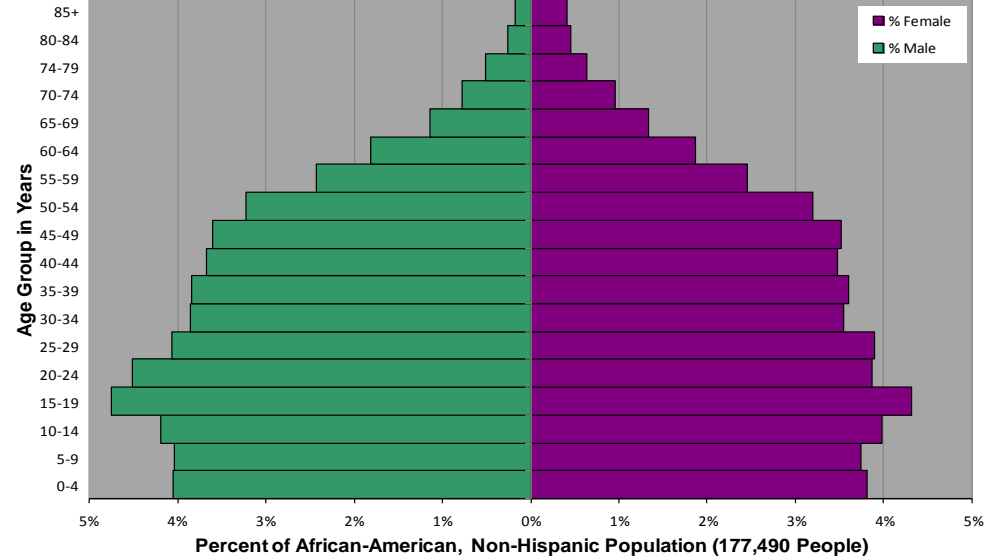
Population Pyramid for Maricopa County by Age and Sex, 2010
White, Non-Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2010
Hispanic

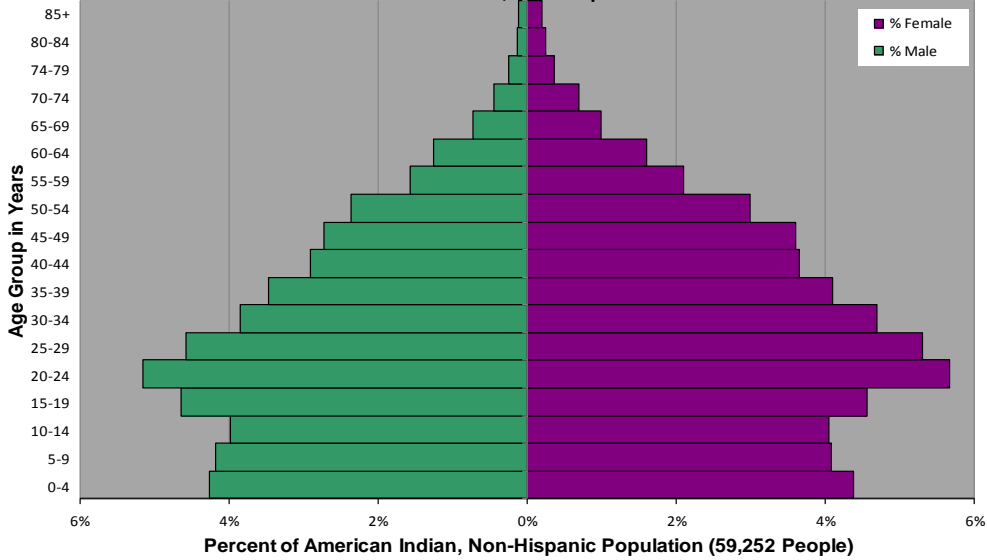


Population Pyramid for Maricopa County by Age and Sex, 2010
African-American, Non-Hispanic

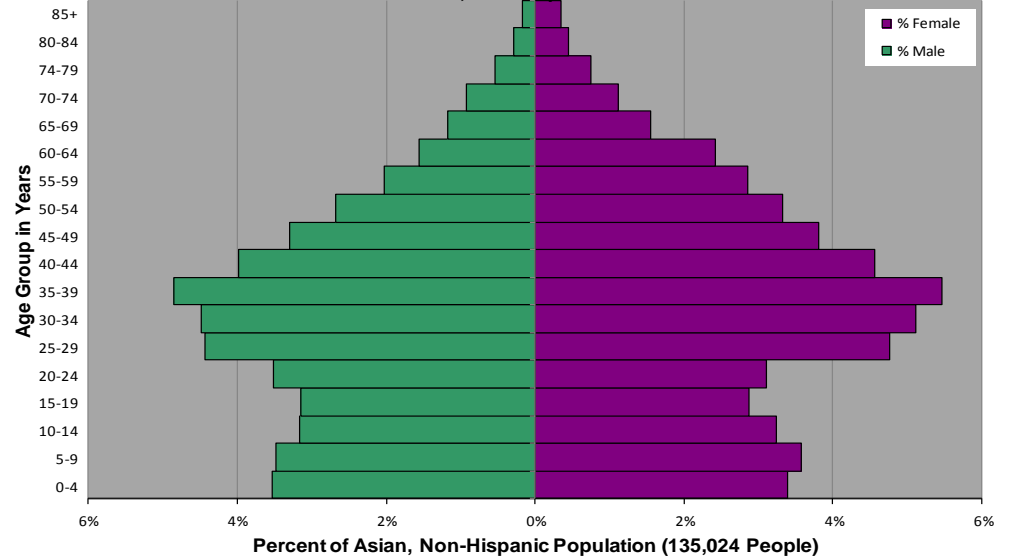


Maricopa County 2010 Population Statistics

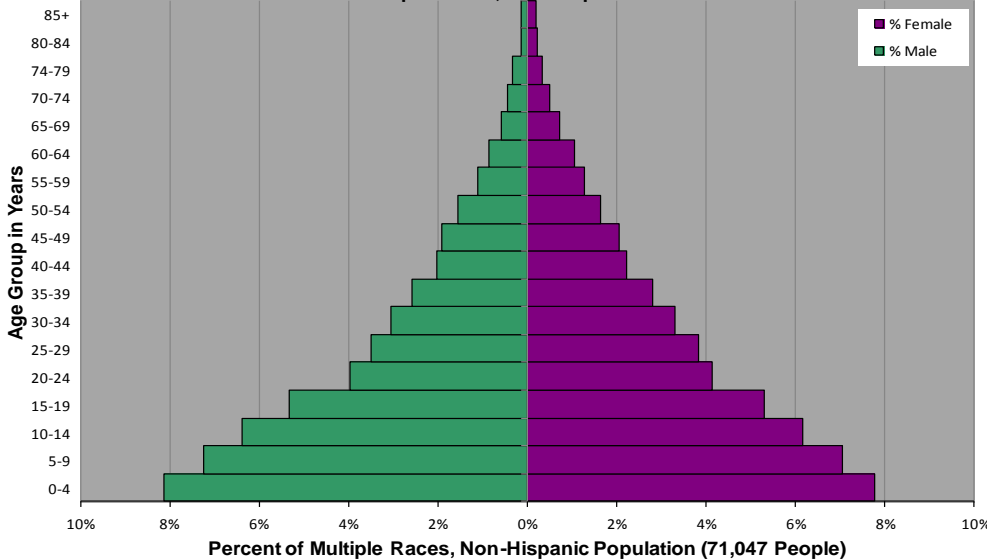
Population Pyramid for Maricopa County by Age and Sex, 2010
American Indian, Non-Hispanic



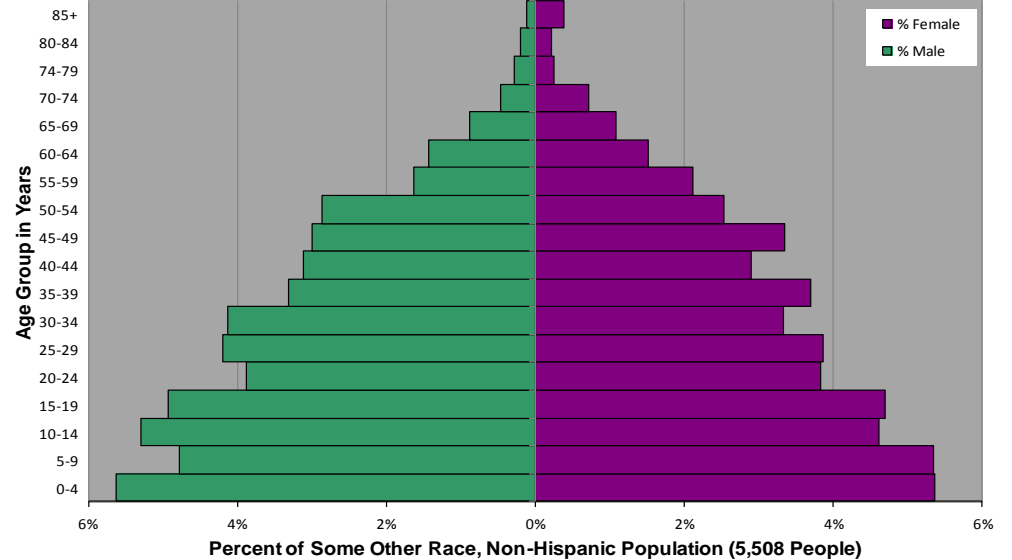
Population Pyramid for Maricopa County by Age and Sex, 2010
Asian, Non-Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2010
Multiple Races, Non-Hispanic



Population Pyramid for Maricopa County by Age and Sex, 2010
Some Other Race, Non-Hispanic



II. Maricopa County 2010 Mortality (Death) Statistics

Maricopa County 2010 Mortality (Death) Statistics
Table 2.01a Number of Deaths by Age Group and Race/Ethnicity

Age Group	Race/Ethnicity							Total
	White	Hispanic	Black	American Indian	Asian	Multiple	Other/Unknown	
<1	90	153	35	6	11	14	2	312
1-4	30	29	3	1	3	2	0	68
5-9	15	15	2	0	5	0	2	39
10-14	15	14	0	1	1	2	0	33
15-19	50	46	9	3	4	3	1	116
20-24	108	72	13	7	6	3	4	213
25-34	277	141	40	28	19	4	7	516
35-44	485	168	42	40	17	10	8	770
45-54	1,203	327	131	57	29	8	22	1,777
55-64	2,231	399	185	54	49	15	29	2,962
65-74	3,178	410	157	41	51	21	50	3,908
75-84	5,280	490	188	32	87	32	42	6,151
85+	6,904	389	129	13	69	24	44	7,572
Unknown	0	0	0	0	0	0	1	1
Total	19,866	2,653	934	283	351	138	212	24,437

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

Age Group	Race/Ethnicity							Total
	White	Hispanic	Black	American Indian	Asian	Multiple	Other/Unknown	
0-4	105.7	141.2	272.1	136.6	149.6	141.6	-	134.4
5-9	12.5	12.1	14.5	0.0	84.0	19.7	-	13.8
10-14	12.1	12.1	0.0	21	69.4	22.4	-	11.9
15-19	38.7	41.8	55.9	54.9	61.4	66.1	-	41.9
20-24	80.6	74.7	87.4	109.1	111.7	104.3	-	79.8
25-34	98.3	76.1	146.6	256.3	98.5	72.1	-	95.4
35-44	162.8	105.4	162.0	477.6	141.2	203.6	-	146.8
45-54	352.3	302.8	545.3	822.6	259.4	352.1	-	352.6
55-64	730.2	684.5	1,217.5	1,394.6	651.6	748.5	-	743.6
65-74	1,508.5	1,501.0	2,099.5	2,404.7	1,553.5	2,231.9	-	1,530.2
75-84	4,111.5	3,949.1	5,737.0	5,451.4	5,084.7	7,152.5	-	4,150.5
85+	12,935.6	11,171.7	12,227.5	6,951.9	22,222.2	24,454.1	-	12,822.2
Unknown	-	-	-	-	-	-	-	-
Total	886.9	235.0	526.2	477.6	260.0	194.2	-	640.2

**Maricopa County 2010 Mortality (Death) Statistics
Table 2.02a Number of Deaths by Age Group and Sex**

Age Group	Gender			Total
	Male	Female	Unknown	
<1	179	132	0	311
1-4	39	29	0	68
5-9	18	21	0	39
10-14	20	13	0	33
15-19	90	26	0	116
20-24	163	50	0	213
25-34	365	151	0	516
35-44	483	287	0	770
45-54	1,097	680	0	1,777
55-64	1,779	1,183	0	2,962
65-74	2,207	1,701	0	3,908
75-84	3,179	2,971	1	6,151
85+	2,887	4,684	1	7,572
Unknown	1	0	0	1
Total	12,507	11,928	2	24,437

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

Age Group	Gender			Total
	Male	Female	Unknown	
0-4	151.1	116.2	-	134.0
5-9	12.5	15.2	-	13.8
10-14	14.1	9.6	-	11.9
15-19	63.1	19.4	-	41.9
20-24	118.5	38.7	-	79.8
25-34	133.6	56.3	-	95.4
35-44	183.3	109.9	-	146.8
45-54	442.0	265.8	-	352.6
55-64	943.4	564.1	-	743.6
65-74	1,854.7	1,247.1	-	1,530.2
75-84	4,878.9	3,577.8	-	4,150.5
85+	13,824.0	12,271.4	-	12,822.2
Unknown	-	-	-	-
Total	662.3	618.5	-	640.2

Maricopa County 2010 Mortality (Death) Statistics
Table 2.03a Selected Underlying Causes of Death by Race/Ethnicity
Number of Cases

Cause		Race/Ethnicity							Total	
		White	Hispanic	Black	American Indian	Asian	Multiple	Other/Unknown		
Infectious Diseases		Tuberculosis	6	1	0	0	2	0	1	10
		Syphilis	0	0	0	0	0	0	0	0
		HIV	34	17	11	3	0	0	2	67
Cancer		Stomach	67	32	8	1	6	0	0	114
		Colon	413	46	25	3	11	3	0	501
		Pancreas	319	34	15	2	8	2	3	383
		Lung	1,280	91	34	2	24	9	5	1,445
		Breast	327	51	19	2	8	3	1	411
		Uterine	208	34	10	1	6	1	0	260
		Prostate	225	29	14	0	3	2	0	273
		Urinary	249	31	9	0	1	1	1	292
		Lymphoma	162	20	2	1	4	0	1	190
		Leukemia	179	26	8	1	5	1	2	222
		Other Cancer	1,188	147	47	11	16	7	1	1,417
	All Cancer	4,617	541	191	24	92	29	14	5,508	
Diabetes and Alzheimer's		Diabetes	448	139	65	35	10	3	2	702
		Alzheimer's	1,463	123	40	7	20	7	5	1,665
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	310	30	20	3	5	2	0	370
		Ischemic Heart Disease	3,363	322	147	29	52	25	19	3,957
		Other Heart Disease	711	67	18	3	7	7	3	816
		All Heart Disease	4,384	419	185	35	64	34	22	5,143
	Other Cardiovascular	Primary Hypertension	241	44	22	3	7	0	0	317
		Cerebrovascular	895	111	51	4	19	3	1	1,084
		Atherosclerosis	57	4	3	1	1	0	0	66
		All Other Cardiovascular	1,360	180	80	9	31	5	1	1,666
Other Respiratory		Influenza & Pneumonia	241	30	9	8	5	2	1	296
		Chronic Lower Respiratory	1,356	58	25	6	6	7	5	1,463
GI & Urinary		Peptic Ulcer	32	3	2	0	1	1	1	40
		Liver Disease	260	74	11	37	0	4	0	386
		Nephritis	120	32	15	7	4	0	2	180
Pregnancy & Early Life		Pregnancy	2	3	2	1	0	0	0	8
		Perinatal Conditions	39	73	21	2	3	3	2	143
		Congenital Malformations	54	44	6	1	7	2	0	114
		SIDS	4	7	0	0	1	4	0	16
Other Diseases		Symptoms, Signs	534	69	24	2	5	3	114	751
		Other Diseases	3,128	429	147	51	50	14	20	3,839
External Causes		Motor Vehicle Collisions	194	96	21	12	8	4	1	336
		All Other Accidents	996	148	38	25	22	7	7	1,243
		Suicide	453	58	11	3	11	3	9	548
		Homicide	71	97	27	14	7	2	1	219
		Other External Causes	70	12	3	1	2	4	1	93
		All External Causes	1,784	411	100	55	50	20	19	2,439
Unknown			0	0	0	0	0	0	1	1
Total			19,866	2,653	934	283	351	138	212	24,437

Maricopa County 2010 Mortality (Death) Statistics
Table 2.03b Selected Underlying Causes of Death by Race/Ethnicity
Crude Death Rate per 100,000 Residents

Cause			Race/Ethnicity							Total
			White	Hispanic	Black	American Indian	Asian	Multiple	Other/Unknown	
Infectious Diseases		Tuberculosis	0.3	0.1	0	0	1.5	0	-	0.3
		Syphilis	0	0	0	0	0	0	-	0
		HIV	1.5	1.5	6.2	5.1	0	0	-	1.8
Cancer		Stomach	3.0	2.8	4.5	1.7	4.4	0	-	3.0
		Colon	18.4	4.1	14.1	5.1	8.1	4.2	-	13.1
		Pancreas	14.2	3.0	8.5	3.4	5.9	2.8	-	10.0
		Lung	57.1	8.1	19.2	3.4	17.8	12.7	-	37.9
		Breast	14.6	4.5	10.7	3.4	5.9	4.2	-	10.8
		Uterine & Ovarian ¹	18.3	6.1	11.5	3.2	8.4	2.8	-	13.5
		Prostate ¹	20.4	5.1	15.5	0.0	4.7	5.7	-	14.5
		Urinary	11.1	2.7	5.1	0	0.7	1.4	-	7.6
		Lymphoma	7.2	1.8	1.1	1.7	3.0	0	-	5.0
		Leukemia	8.0	2.3	4.5	1.7	3.7	1.4	-	5.8
		Other Cancer	53.0	13.0	26.5	18.6	11.8	9.9	-	37.1
		All Cancer	206.1	47.9	107.6	40.5	68.1	40.8	-	144.3
	Diabetes and Alzheimer's		Diabetes	20.0	12.3	36.6	59.1	7.4	4.2	-
		Alzheimer's	65.3	10.9	22.5	11.8	14.8	9.9	-	43.6
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	13.8	2.7	11.3	5.1	3.7	2.8	-	9.7
		Ischemic Heart Disease	150.1	28.5	82.8	48.9	38.5	35.2	-	103.7
		Other Heart Disease	31.7	5.9	10.1	5.1	5.2	9.9	-	21.4
		All Heart Disease	195.7	37.1	104.2	59.1	47.4	47.9	-	134.7
	Other Cardiovascular	Primary Hypertension	10.8	3.9	12.4	5.1	5.2	0	-	8.3
		Cerebrovascular	40.0	9.8	28.7	6.8	14.1	4.2	-	28.4
		Atherosclerosis	2.5	0.4	1.7	1.7	0.7	0	-	1.7
		Other Circulatory	7.5	1.9	2.3	1.7	3.0	2.8	-	5.2
	All Other Cardiovascular	60.7	15.9	45.1	15.2	23.0	7.0	-	43.6	
Other Respiratory	Influenza & Pneumonia	10.8	2.7	5.1	13.5	3.7	2.8	-	7.8	
	Chronic Lower Respiratory	60.5	5.1	14.1	10.1	4.4	9.9	-	38.3	
GI & Urinary	Peptic Ulcer	1.4	0.3	1.1	0	0.7	1.4	-	1.0	
	Liver Disease	11.6	6.6	6.2	62.4	0	5.6	-	10.1	
	Nephritis	5.4	2.8	8.5	11.8	3.0	0	-	4.7	
Pregnancy & Early Life	Pregnancy ¹	0.2	0.5	2.0	3.0	0	0	-	0.4	
	Perinatal Conditions	1.7	6.5	11.8	3.4	2.2	4.2	-	3.7	
	Congenital Malformations	2.4	3.9	3.4	1.7	5.2	2.8	-	3.0	
	SIDS ²	0.2	0.3	0	0	0.4	-	-	0.4	
Other Diseases	Symptoms, Signs	23.8	6.1	13.5	3.4	3.7	4.2	-	19.7	
	Other Diseases	139.6	38.0	82.8	86.1	37.0	19.7	-	100.6	
External Causes	Motor Vehicle Collisions	8.7	8.5	11.8	20.3	5.9	5.6	-	8.8	
	All Other Accidents	44.5	13.1	21.4	42.2	16.3	9.9	-	32.6	
	Suicide	20.2	5.1	6.2	5.1	8.1	4.2	-	14.4	
	Homicide	3.2	8.6	15.2	23.6	5.2	2.8	-	5.7	
	Other External Causes	3.1	1.1	1.7	1.7	1.5	5.6	-	2.4	
	All External causes	79.6	36.4	56.3	92.8	37.0	28.2	-	63.9	
Unknown			-	-	-	-	-	-	-	-
Total			886.9	235.0	526.2	477.6	260.0	194.2	-	640.2

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

² Sudden Infant Death Syndrome (SIDS) rates are per 1,000 live births. No rate is calculated for Multiple race infants, see Technical Notes for explanation.

Maricopa County 2010 Mortality (Death) Statistics

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

Cause		Age Group													Total		
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unk.	
Infectious Diseases	Tuberculosis	0	0	0	0	0	0	1	1	3	2	1	1	1	0	10	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	HIV	0	0	0	0	0	0	9	15	27	14	2	0	0	0	67	
Cancer	Stomach	0	0	0	0	0	0	2	7	13	17	26	34	15	0	114	
	Colon	0	0	0	0	0	1	4	12	40	85	119	145	95	0	501	
	Pancreas	0	0	0	0	0	0	1	2	24	69	100	118	69	0	383	
	Lung	0	0	0	0	0	0	5	13	84	257	420	481	185	0	1,445	
	Breast	0	0	0	0	0	0	6	16	63	104	94	71	57	0	411	
	Uterine & Ovarian	0	0	0	0	0	0	5	6	40	52	58	60	39	0	260	
	Prostate	0	0	0	0	0	0	0	0	1	24	61	100	87	0	273	
	Urinary	0	0	0	0	0	0	1	3	20	39	64	96	69	0	292	
	Lymphoma	1	0	0	0	1	1	4	4	9	23	46	51	50	0	190	
	Leukemia	3	5	2	2	0	2	5	6	11	26	48	63	49	0	222	
	Other	0	2	3	2	5	3	15	41	131	301	335	377	202	0	1,417	
	All Cancer	4	7	5	4	6	7	48	110	436	997	1,371	1,596	917	0	5,508	
	Diabetes and Alzheimer's	Diabetes	0	0	0	0	0	0	8	29	67	131	156	176	135	0	702
Alzheimer's		0	0	0	0	0	0	0	0	1	10	89	447	1,118	0	1,665	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Dis.	0	0	0	0	1	0	2	10	27	47	48	69	166	0	370
		Ischemic Heart Disease	0	1	0	0	0	2	8	42	188	455	628	1,046	1,587	0	3,957
		Other Heart Disease	3	1	0	0	4	1	13	17	60	74	96	219	328	0	816
		All Heart Disease	3	2	0	0	5	3	23	69	275	576	772	1,334	2,081	0	5,143
	Other Cardiovascular	Primary Hypertension	0	0	0	0	0	0	3	11	25	40	100	138	0	317	
		Cerebrovascular	2	1	3	1	1	1	5	13	38	87	122	312	498	0	1,084
		Atherosclerosis	0	0	0	0	0	0	1	0	1	1	1	20	42	0	66
		Other Circulatory	0	1	0	0	0	1	0	5	8	19	40	62	63	0	199
All Other Cardiovascular	2	2	3	1	1	2	6	21	58	132	203	494	741	0	1,666		

(Continued)

Maricopa County 2010 Mortality (Death) Statistics

(Table 2.04a continued)

Cause		Age Group													Total	
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unk.
Other Respiratory Diseases	Influenza & Pneumonia	0	0	0	0	0	1	3	7	21	33	36	76	119	0	296
	Chronic Lower Respiratory	0	0	1	0	1	2	0	3	40	121	344	516	435	0	1,463
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	0	0	8	7	8	10	7	0	40
	Liver Disease	0	0	0	0	0	0	10	43	95	115	71	37	15	0	386
	Nephritis	2	0	1	0	0	0	2	3	9	21	35	51	56	0	180
Pregnancy & Early Life	Pregnancy	0	0	0	0	0	2	1	5	0	0	0	0	0	0	8
	Perinatal Conditions	139	1	1	1	1	0	0	0	0	0	0	0	0	0	143
	Congenital Malformations	66	5	5	3	1	1	3	2	7	4	5	7	5	0	114
	SIDS	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Other Diseases	Symptoms, Signs	27	7	2	2	4	6	17	23	33	34	65	146	384	1	751
	Other Diseases	33	12	7	5	8	16	55	114	276	490	595	1,016	1,212	0	3,839
External Causes	Motor Vehicle Collisions	1	7	5	7	26	33	48	47	58	41	24	23	16	0	336
	All Other Accidents	10	21	6	2	26	51	108	122	192	121	101	174	309	0	1,243
	Suicide	0	0	0	4	18	52	92	94	124	85	24	39	16	0	548
	Homicide	4	4	3	3	18	35	67	40	25	12	3	2	3	0	219
	Other External Causes	4	0	0	1	1	2	15	22	22	15	3	6	2	0	93
	All External Causes	19	32	14	17	89	173	330	325	421	274	155	244	346	0	2,439
Unknown		0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Total		311	68	39	33	116	213	516	770	1,777	2,962	3,908	6,151	7,572	1	24,437

Maricopa County 2010 Mortality (Death) Statistics

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

Cause		Age Group												Total		
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unk.	
Infectious Diseases	Tuberculosis	0	0	0	0	0	0.2	0.2	0.6	0.5	0.4	0.7	1.7	-	0.3	
	Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	-	0	
	HIV	0	0	0	0	0	1.7	2.9	5.4	3.5	0.8	0	0	-	1.8	
Cancer	Stomach	0	0	0	0	0	0.4	1.3	2.6	4.3	10.2	22.9	25.4	-	3.0	
	Colon	0	0	0	0	0.4	0.7	2.3	7.9	21.3	46.6	97.8	160.9	-	13.1	
	Pancreas	0	0	0	0	0	0.2	0.4	4.8	17.3	39.2	79.6	116.8	-	10.0	
	Lung	0	0	0	0	0	0.9	2.5	16.7	64.5	164.5	324.6	313.3	-	37.9	
	Breast	0	0	0	0	0	1.1	3.0	12.5	26.1	36.8	47.9	96.5	-	10.8	
	Uterine & Ovarian	0	0	0	0	0	1.9	2.3	15.6	24.8	42.5	72.3	102.2	-	13.5	
	Prostate	0	0	0	0	0	0	0	0.4	12.7	51.3	153.5	416.6	-	14.5	
	Urinary	0	0	0	0	0	0.2	0.6	4.0	9.8	25.1	64.8	116.8	-	7.6	
	Lymphoma	0.4	0	0	0.4	0.4	0.7	0.8	1.8	5.8	18.0	34.4	84.7	-	5.0	
	Leukemia	2.8	0.7	0.7	0	0.7	0.9	1.1	2.2	6.5	18.8	42.5	83.0	-	5.8	
	Other Cancer	0.7	1.1	0.7	1.8	1.1	2.8	7.8	26.0	75.6	131.2	254.4	342.1	-	37.1	
	All Cancer	3.9	1.8	1.4	2.2	2.6	8.9	21.0	86.5	250.3	536.8	1,076.9	1,552.8	-	144.3	
Diabetes and Alzheimer's	Diabetes	0	0	0	0	0	1.5	5.5	13.3	32.9	61.1	118.8	228.6	-	18.4	
	Alzheimer's	0	0	0	0	0	0	0	0.2	2.5	34.8	301.6	1,893.2	-	43.6	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	0	0	0	0.4	0	0.4	1.9	5.4	11.8	18.8	46.6	281.1	-	9.7
		Ischemic Heart Disease	0.4	0	0	0	0.7	1.5	8.0	37.3	114.2	245.9	705.8	2,687.4	-	103.7
		Other Heart Disease	1.4	0	0	1.4	0.4	2.4	3.2	11.9	18.6	37.6	147.8	555.4	-	21.4
		All Heart Disease	1.8	0	0	1.8	1.1	4.3	13.2	54.6	144.6	302.3	900.1	3,523.9	-	134.7
	Other Cardiovascular	Primary Hypertension	0	0	0	0	0	0	0.6	2.2	6.3	15.7	67.5	233.7	-	8.3
		Cerebrovascular	1.1	1.1	0.4	0.4	0.4	0.9	2.5	7.5	21.8	47.8	210.5	843.3	-	28.4
		Atherosclerosis	0	0	0	0	0	0.2	0	0.2	0.3	0.4	13.5	71.1	-	1.7
		Other Circulatory	0.4	0	0	0	0.4	0	1.0	1.6	4.8	15.7	41.8	106.7	-	5.2
All Other Cardiovascular	1.4	1.1	0.4	0.4	0.7	1.1	4.0	11.5	33.1	79.5	333.3	1,254.8	-	43.6		

(Continued)

Maricopa County 2010 Mortality (Death) Statistics

(Table 2.04b Continued)

Cause	Age Group													Total	
	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unk.		
Other Respiratory Diseases	Influenza & Pneumonia	0	0	0	0	0.4	0.6	1.3	4.2	8.3	14.1	51.3	201.5	-	7.8
	Chronic Lower Respiratory	0	0.4	0	0.4	0.7	0	0.6	7.9	30.4	134.7	348.2	736.6	-	38.3
GI & Urinary	Peptic Ulcer	0	0	0	0	0	0	0	1.6	1.8	3.1	6.7	11.9	-	1.0
	Liver Disease	0	0	0	0	0	1.8	8.2	18.9	28.9	27.8	25.0	25.4	-	10.1
	Nephritis	0.7	0.4	0	0	0	0.4	0.6	1.8	5.3	13.7	34.4	94.8	-	4.7
Pregnancy & Early Life	Pregnancy	0	0	0	0	0.7	0.2	1.0	0	0	0	0	0	-	0.2
	Perinatal Conditions	49.5	0.4	0.4	0.4	0	0	0	0	0	0	0	0	-	3.7
	Congenital Malformations	25.1	1.8	1.1	0.4	0.4	0.6	0.4	1.4	1.0	2.0	4.7	8.5	-	3.0
	SIDS	5.7	0	0	0	0	0	0	0	0	0	0	0	-	0.3
Other Diseases	Symptoms, Signs	12.0	0.7	0.7	1.4	2.2	3.1	4.4	6.5	8.5	25.5	98.5	650.3	-	19.7
	Other Diseases	15.9	2.5	1.8	2.9	6.0	10.2	21.7	54.8	123.0	233.0	685.6	2,052.4	-	100.6
External Causes	Motor Vehicle Collisions	2.8	1.8	2.5	9.4	12.4	8.9	9.0	11.5	10.3	9.4	15.5	27.1	-	8.8
	All Other Accidents	11.0	2.1	0.7	9.4	19.1	20.0	23.3	38.1	30.4	39.5	117.4	523.2	-	32.6
	Suicide	0	0	1.4	6.5	19.5	17.0	17.9	24.6	21.3	9.4	26.3	27.1	-	14.4
	Homicide	2.8	1.1	1.1	6.5	13.1	12.4	7.6	5.0	3.0	1.2	1.3	5.1	-	5.7
	Other External Causes	1.4	0	0.4	0.4	0.7	2.8	4.2	4.4	3.8	1.2	4.0	3.4	-	2.4
	All External Causes	18.0	5.0	6.1	32.1	64.8	61.0	62.0	83.5	68.8	60.7	164.6	585.9	-	63.9
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	-	0.0	
Total		134.0	13.8	11.9	41.9	79.8	95.4	146.8	352.6	743.4	1,530.2	4,150.5	12,822.2	-	640.2

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

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

Maricopa County 2010 Mortality (Death) Statistics

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

Cause		Gender			Total	
		Male	Female	Unknown		
Infectious Diseases	Tuberculosis	6	4	0	10	
	Syphilis	0	0	0	0	
	HIV	57	10	0	67	
Cancer	Stomach	66	48	0	114	
	Colon	261	240	0	501	
	Pancreas	183	200	0	383	
	Lung	774	671	0	1,445	
	Breast	7	404	0	411	
	Uterine & Ovarian	0	260	0	260	
	Prostate	273	0	0	273	
	Urinary	209	83	0	292	
	Lymphoma	111	79	0	190	
	Leukemia	131	91	0	222	
	Other Cancer	878	539	0	1,417	
	All Cancer	2,893	2,615	0	5,508	
	Diabetes and Alzheimer's	Diabetes	384	318	0	702
Alzheimer's		533	1,131	1	1,665	
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	168	202	0	370
		Ischemic Heart Disease	2,224	1,733	0	3,957
		Other Heart Disease	382	434	0	816
		All Heart Disease	2,774	2,369	0	5,143
	Other Cardiovascular	Primary Hypertension	152	165	0	317
		Cerebrovascular	433	651	0	1,084
		Atherosclerosis	27	39	0	66
		Other Circulatory	102	97	0	199
		All Other Cardiovascular	714	952	0	1,666
		Other Respiratory Diseases	Influenza & Pneumonia	142	154	0
	Chronic Lower Respiratory	686	777	0	1,463	
GI & Urinary	Peptic Ulcer	24	16	0	40	
	Liver Disease	254	132	0	386	
	Nephritis	96	84	0	180	
Pregnancy & Early Life	Pregnancy	0	8	0	8	
	Perinatal Conditions	85	58	0	143	
	Congenital Malformations	62	52	0	114	
	SIDS	11	5	0	16	
Other Diseases	Symptoms, Signs	345	405	1	751	
	Other Diseases	1,852	1,987	0	3,839	
External Causes	Motor Vehicle Collisions	236	100	0	336	
	All Other Accidents	687	556	0	1,243	
	Suicide	428	120	0	548	
	Homicide	180	39	0	219	
	Other External Causes	57	36	0	93	
	All External causes	1,588	851	0	2,439	
Unknown		1	0	0	1	
Total		12,507	11,928	2	24,437	

Maricopa County 2010 Mortality (Death) Statistics

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

Cause		Gender			Total	
		Male	Female	Unknown		
Infectious Diseases	Tuberculosis	0.3	0.2	-	0.3	
	Syphilis	0	0	-	0	
	HIV	3.0	0.5	-	1.8	
Cancer	Stomach	3.5	2.5	-	3.0	
	Colon	13.8	12.4	-	13.1	
	Pancreas	9.7	10.4	-	10.0	
	Lung	41.0	34.8	-	37.9	
	Breast	0.4	20.9	-	10.8	
	Uterine & Ovarian ¹	0	13.5	-	13.5	
	Prostate ¹	14.5	0	-	14.5	
	Urinary	11.1	4.3	-	7.6	
	Lymphoma	5.9	4.1	-	5.0	
	Leukemia	6.9	4.7	-	5.8	
	Other Cancer	46.5	27.9	-	37.1	
	All Cancer	153.2	135.6	-	144.3	
	Diabetes and Alzheimer's	Diabetes	20.3	16.5	-	18.4
		Alzheimer's	28.2	58.6	-	43.6
Major Cardiovascular Diseases	Heart Disease	Hypertensive Heart Disease	8.9	10.5	-	9.7
		Ischemic Heart Disease	117.8	89.9	-	103.7
		Other Heart Disease	20.2	22.5	-	21.4
		All Heart Disease	146.9	122.8	-	134.7
	Other Cardiovascular	Primary Hypertension	8.0	8.6	-	8.3
		Cerebrovascular	22.9	33.8	-	28.4
		Atherosclerosis	1.4	2.0	-	1.7
		Other Circulatory	5.4	5.0	-	5.2
All Other Cardiovascular	37.8	49.4	-	43.6		
Other Respiratory Diseases	Influenza & Pneumonia	7.5	8.0	-	7.8	
	Chronic Lower Respiratory	36.3	40.3	-	38.3	
GI & Urinary	Peptic Ulcer	1.3	0.8	-	1.0	
	Liver Disease	13.5	6.8	-	10.1	
	Nephritis	5.1	4.4	-	4.7	
Pregnancy & Early Life	Pregnancy ¹	0	0.4	-	0.2	
	Perinatal Conditions	4.5	3.0	-	3.7	
	Congenital Malformations	3.3	2.7	-	3.0	
	SIDS ²	0.4	0.2	-	0.3	
Other Diseases	Symptoms, Signs	18.3	21.0	-	19.7	
	Other Diseases	98.1	103.0	-	100.6	
External Causes	Motor Vehicle Collisions	12.5	5.2	-	8.8	
	All Other Accidents	36.4	28.8	-	32.6	
	Suicide	22.7	6.2	-	14.4	
	Homicide	9.5	2.0	-	5.7	
	Other External Causes	3.0	1.9	-	2.4	
	All External causes	84.1	44.1	-	63.9	
Unknown		0.1	0	-	0.1	
Total		662.2	618.5	-	640.2	

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

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

Maricopa County 2010 Mortality (Death) Statistics

Table 2.06a Other Selected Underlying Causes of Death by Race/Ethnicity Number of Cases

Cause	Race/Ethnicity							Total	
	White	Hispanic	Black	American Indian	Asian	Multiple	Other/Unknown		
Infectious Diseases	Clostridium Difficile	87	9	3	3	0	1	0	103
	Other Intestinal Infections	18	4	1	0	0	0	0	23
	Septicemia	138	36	16	5	4	0	0	199
	Viral Hepatitis	76	28	4	1	3	0	0	112
	Coccidioidomycosis	13	4	4	1	0	0	0	22
	Other Mycoses	7	5	0	0	0	0	0	12
Cancer	Brain	124	19	4	0	1	1	0	149
	Lip & Oral	53	7	0	1	1	1	0	63
	Skin	98	1	2	0	1	1	0	103
	Ovarian	130	19	4	1	1	1	0	156
	Testicular	3	2	0	0	0	0	0	5
Other Diseases	Anemias	18	3	4	0	1	0	1	27
	Nutritional Deficiencies	17	4	0	1	0	0	0	22
	Obesity	63	11	12	4	0	0	0	90
	Mental & Behavioral Disorders Due to the Use of Alcohol	79	13	3	10	0	1	2	108
	Parkinson's Disease	247	16	5	0	2	0	0	270
	Multiple Sclerosis	44	1	2	0	0	0	0	47
	Epilepsy	14	3	1	0	1	0	0	19
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	659	58	27	5	16	3	1	769
	Congestive Heart Failure	116	10	2	1	0	1	0	130
Chronic Lower Respiratory	Emphysema	116	3	0	0	0	0	1	120
	Asthma	22	6	3	1	0	0	0	32
Liver Disease	Alcoholic Liver Disease	197	57	7	35	0	3	0	299
Musculoskeletal	Rheumatoid Arthritis	25	4	0	0	0	1	1	31
	Lupus	9	2	1	0	0	0	0	12
	Osteoporosis	5	1	0	0	0	0	0	6
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	6	31	8	2	0	2	0	49
	Congenital Malformations of the Circulatory System	18	12	2	1	2	1	0	36
	Chromosomal Abnormalities	9	9	1	0	1	1	0	21
External Causes	Falls	450	32	1	2	7	2	0	494
	Unintentional Drowning	33	12	0	2	4	1	0	52
	Unintentional Poisoning	346	71	21	16	3	4	1	462
	Exposure to Excessive Natural Heat	17	5	5	0	0	0	1	28
	Legal Intervention	6	1	0	0	0	0	0	7
	Accidental Discharge of Firearms	6	1	1	1	0	0	0	9
	Discharge of Firearms, Undetermined Intent	6	2	0	0	0	0	0	8
	Complications of Medical and Surgical Care	25	4	1	0	0	0	0	30

Maricopa County 2010 Mortality (Death) Statistics

**Table 2.06b Other Selected Underlying Causes of Death by Race/Ethnicity
Crude Death Rate per 100,000 Residents**

Cause		Race/Ethnicity							Total
		White	Hispanic	Black	American Indian	Asian	Multiple	Other/Unknown	
Infectious Diseases	Clostridium Difficile	3.9	0.8	1.7	5.1	0	1.4	-	2.7
	Other Intestinal Infections	0.8	0.4	0.6	0	0	0	-	0.6
	Septicemia	6.2	3.2	9.0	8.4	3.0	0	-	5.2
	Viral Hepatitis	3.4	2.5	2.3	1.7	2.2	0	-	2.9
	Coccidioidomycosis	0.6	0.4	2.3	1.7	0	0	-	0.6
	Other Mycoses	0.3	0.4	0	0	0	0	-	0.3
Cancer	Brain	5.5	1.7	2.3	0	0.7	1.4	-	3.9
	Lip & Oral	2.4	0.6	0	1.7	0.7	1.4	-	1.7
	Skin	4.4	0.1	1.1	0	0.7	1.4	-	2.7
	Ovarian ¹	11.4	3.4	4.6	3.2	1.4	2.8	-	8.1
	Testicular ¹	0.3	0.4	0	0	0	0	-	0.3
Other Diseases	Anemias	0.8	0.3	2.3	0	0.7	0	-	0.7
	Nutritional Deficiencies	0.8	0.4	0	1.7	0	0	-	0.6
	Obesity	2.8	1.0	6.8	6.8	0	0	-	2.4
	Mental & Behavioral Disorders Due to the Use of Alcohol	3.5	1.2	1.7	16.9	0	1.4	-	2.8
	Parkinson's Disease	11.0	1.4	2.8	0	1.5	0	-	7.1
	Multiple Sclerosis	2.0	0.1	1.1	0	0	0	-	1.2
	Epilepsy	0.6	0.3	0.6	0	0.7	0	-	0.5
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	29.4	5.1	15.2	8.4	11.8	4.2	-	20.1
	Congestive Heart Failure	5.2	0.9	1.1	1.7	0	1.4	-	3.4
Chronic Lower Respiratory	Emphysema	5.2	0.3	0	0	0	0	-	3.1
	Asthma	1.0	0.5	1.7	1.7	0	0	-	0.8
Liver Disease	Alcoholic Liver Disease	8.8	5.0	3.9	59.1	0	4.2	-	7.8
Musculoskeletal	Rheumatoid Arthritis	1.1	0.4	0	0	0	1.4	-	0.8
	Lupus	0.4	0.2	0.6	0	0	0	-	0.3
	Osteoporosis	0.2	0.1	0	0	0	0	-	0.2
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	0.3	2.7	4.5	3.4	0	2.8	-	1.3
	Congenital Malformations of the Circulatory System	0.8	1.1	1.1	1.7	1.5	1.4	-	0.9
	Chromosomal Abnormalities	0.4	0.8	0.6	0	0.7	1.4	-	0.6
External Causes	Falls	20.1	2.8	0.6	3.4	5.2	2.8	-	12.9
	Unintentional Drowning	1.5	1.1	0	3.4	3.0	1.4	-	1.4
	Unintentional Poisoning	15.4	6.3	11.8	27.0	2.2	5.6	-	12.1
	Exposure to Excessive Natural Heat	0.8	0.4	2.8	0	0	0	-	0.7
	Legal Intervention	0.3	0.1	0	0	0	0	-	0.2
	Accidental Discharge of Firearms	0.3	0.1	0.6	1.7	0	0	-	0.2
	Discharge of Firearms, Undetermined Intent	0.3	0.2	0	0	0	0	-	0.2
	Complications of Medical and Surgical Care	1.1	0.4	0.6	0	0	0	-	0.8

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

Maricopa County 2010 Mortality (Death) Statistics

**Table 2.07a Other Selected Underlying Causes of Death by Age Group
Number of Cases**

Cause		Age Group												Total	
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84		85+
Infectious Diseases	Clostridium Difficile	0	0	0	0	0	0	0	0	2	4	21	31	45	103
	Other Intestinal Infections	5	2	0	0	0	1	0	0	0	2	0	6	7	23
	Septicemia	4	0	0	0	1	1	1	6	16	26	43	58	43	199
	Viral Hepatitis	0	0	0	0	0	0	1	2	29	57	8	12	3	112
	Coccidioidomycosis	0	0	0	0	1	0	1	2	4	3	2	6	3	22
	Other Mycoses	0	0	0	0	0	0	0	1	1	1	2	5	2	12
Cancer	Brain	0	1	2	1	1	0	3	13	24	35	28	27	14	149
	Lip & Oral	0	0	0	0	0	0	0	1	10	13	14	19	6	63
	Skin	0	0	0	0	0	0	3	6	16	20	19	22	17	103
	Ovarian	0	0	0	0	0	0	1	2	24	26	41	36	26	156
	Testicular	0	0	0	0	0	0	2	1	2	0	0	0	0	5
Other Diseases	Anemias	0	0	2	0	0	1	0	0	6	0	2	7	9	27
	Nutritional Deficiencies	0	0	0	0	0	0	0	1	2	3	7	3	6	22
	Obesity	0	0	0	0	0	0	10	17	20	25	13	4	1	90
	Mental & Behavioral Disorders Due to the Use of Alcohol	0	0	0	0	0	0	4	17	38	32	14	1	2	108
	Parkinson's Disease	0	0	0	0	0	0	0	0	0	8	32	118	112	270
	Multiple Sclerosis	0	0	0	0	0	0	0	1	7	20	11	3	5	47
	Epilepsy	0	0	1	0	1	0	1	2	3	5	1	3	2	19
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	0	1	0	0	0	0	2	6	35	95	137	218	275	769
	Congestive Heart Failure	0	0	0	0	0	0	0	0	5	10	10	39	66	130
Chronic Lower Respiratory	Emphysema	0	0	0	0	0	0	0	1	6	9	36	39	29	120
	Asthma	0	0	1	0	0	2	0	1	6	7	5	4	6	32
Liver Disease	Alcoholic Liver Disease	0	0	0	0	0	0	10	40	89	94	48	11	7	299
Musculoskeletal	Rheumatoid Arthritis	0	0	0	0	0	0	0	0	2	2	9	9	9	31
	Lupus	0	0	0	0	1	2	1	1	1	0	1	4	1	12
	Osteoporosis	0	0	0	0	0	0	0	0	0	0	0	1	5	6
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	49	0	0	0	0	0	0	0	0	0	0	0	0	49
	Congenital Malformations of the Circulatory System	16	2	2	1	1	1	0	1	4	3	1	2	2	36
	Chromosomal Abnormalities	14	1	0	1	0	0	1	0	2	1	1	0	0	21
External Causes	Falls	0	0	1	0	0	0	4	2	20	18	52	130	267	494
	Unintentional Drowning	1	15	1	0	4	4	5	4	5	4	4	2	3	52
	Unintentional Poisoning	0	0	0	0	19	39	89	96	137	66	10	3	3	462
	Exposure to Excessive Natural Heat	0	2	0	0	0	2	0	3	9	3	3	3	3	28
	Legal Intervention	0	0	0	0	0	0	0	3	3	1	0	0	0	7
	Accidental Discharge of Firearms	0	1	0	0	1	1	1	0	2	1	2	0	0	9
	Discharge of Firearms, Undetermined Intent	0	0	0	0	1	0	4	2	0	0	0	1	0	8
	Complications of Medical and Surgical Care	1	0	0	0	0	0	1	5	1	3	10	5	4	30

Maricopa County 2010 Mortality (Death) Statistics

**Table 2.07b Other Selected Underlying Causes of Death by Age Group
Crude Death Rate per 100,000 Residents**

Cause	Age Group												Total	
	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		
Infectious Diseases	Clostridium Difficile	0	0	0	0	0	0	0	0.4	1.0	8.2	20.9	76.2	2.7
	Other Intestinal Infections	1.8	0	0	0	0.4	0	0	0	0.5	0	4.0	11.9	0.6
	Septicemia	1.4	0	0	0.4	0.4	0.2	1.1	3.2	6.5	16.8	39.1	72.8	5.2
	Viral Hepatitis	0	0	0	0	0	0.2	0.4	5.8	14.3	3.1	8.1	5.1	2.9
	Coccidioidomycosis	0	0	0	0.4	0	0.2	0.4	0.8	0.8	0.8	4.0	5.1	0.6
	Other Mycoses	0	0	0	0	0	0	0.2	0.2	0.3	0.8	3.4	3.4	0.3
Cancer	Brain	0	0.7	0.4	0.4	0	0.6	2.5	4.8	8.8	11.0	18.2	23.7	3.9
	Lip & Oral	0	0	0	0	0	0	0.2	2.0	3.3	5.5	12.8	10.2	1.7
	Skin	0	0	0	0	0	0.6	1.1	3.2	5.0	7.4	14.8	28.8	2.7
	Ovarian ¹	0	0	0	0	0	0.4	0.8	9.4	12.4	30.1	43.4	68.1	8.1
	Testicular ¹	0	0	0	0	0	0.7	0.4	0.8	0	0	0	0	0.3
Other Diseases	Anemias	0	0.7	0	0	0.4	0	0	1.2	0	0.8	4.7	15.2	0.7
	Nutritional Deficiencies	0	0	0	0	0	0	0.2	0.4	0.8	2.7	2.0	10.2	0.6
	Obesity	0	0	0	0	0	1.8	3.2	4.0	6.3	5.1	2.7	1.7	2.4
	Mental & Behavioral Disorders Due to the Use of Alcohol	0	0	0	0	0	0.7	3.2	7.5	8.0	5.5	0.7	3.4	2.8
	Parkinson's Disease	0	0	0	0	0	0	0	0	2.0	12.5	79.6	189.7	7.1
	Multiple Sclerosis	0	0	0	0	0	0	0.2	1.4	5.0	4.3	2.0	8.5	1.2
	Epilepsy	0	0.4	0	0.4	0	0.2	0.4	0.6	1.3	0.4	2.0	3.4	0.5
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	0	0	0	0	0	0.4	1.1	6.9	23.9	53.6	147.1	465.7	20.1
	Congestive Heart Failure	0	0	0	0	0	0	0	1.0	2.5	3.9	26.3	111.8	3.4
Chronic Lower Respiratory	Emphysema	0	0	0	0	0	0	0.2	1.2	2.3	14.1	26.3	49.1	3.1
	Asthma	0	0.4	0	0	0.7	0	0.2	1.2	1.8	2.0	2.7	10.2	0.8
Liver Disease	Alcoholic Liver Disease	0	0	0	0	0	1.8	7.6	17.7	23.6	18.8	7.4	11.9	7.8
Musculoskeletal	Rheumatoid Arthritis	0	0	0	0	0	0	0	0.4	0.5	3.5	6.1	15.2	0.8
	Lupus	0	0	0	0.4	0.7	0.2	0.2	0.2	0	0.4	2.7	1.7	0.3
	Osteoporosis	0	0	0	0	0	0	0	0	0	0	0.7	8.5	0.2
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	17.3	0	0	0	0	0	0	0	0	0	0	0	1.3
	Congenital Malformations of the Circulatory System	5.7	0.7	0.4	0.4	0.4	0	0.2	0.8	0.8	0.4	1.3	3.4	0.9
	Chromosomal Abnormalities	5.0	0	0.4	0	0	0.2	0	0.4	0.3	0.4	0	0	0.6
External Causes	Falls	0	0.4	0	0	0	0.7	0.4	4.0	4.5	20.4	87.7	452.1	12.9
	Unintentional Drowning	0.4	0.4	0	1.4	1.5	0.9	0.8	1.0	1.0	1.6	1.3	5.1	1.4
	Unintentional Poisoning	0	0	0	6.9	14.6	16.4	18.3	27.2	16.6	3.9	2.0	5.1	12.1
	Exposure to Excessive Natural Heat	0	0	0	0	0.7	0	0.6	1.8	0.8	1.2	2.0	5.1	0.7
	Legal Intervention	0	0	0	0	0	0	0.6	0.6	0.3	0	0	0	0.2
	Accidental Discharge of Firearms	0	0	0	0.4	0.4	0.2	0	0.4	0.3	0.8	0	0	0.2
	Discharge of Firearms	0	0	0	0.4	0	0.7	0.4	0	0	0	0.7	0	0.2
	Complications of Medical and Surgical Care	0.4	0	0	0	0	0.2	1.0	0.2	0.8	3.9	3.4	6.8	0.8

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

Maricopa County 2010 Mortality (Death) Statistics

**Table 2.08a Other Selected Underlying Causes of Death by Sex
Number of Cases**

Cause		Sex		
		Male	Female	Total
Infectious Diseases	Clostridium Difficile	44	59	103
	Other Intestinal Infections	11	12	23
	Septicemia	98	101	199
	Viral Hepatitis	76	36	112
	Coccidioidomycosis	18	4	22
	Other Mycoses	7	5	12
Cancer	Brain	83	66	149
	Lip & Oral	50	13	63
	Skin	70	33	103
	Ovarian	0	156	156
	Testicular	5	0	5
Other Diseases	Anemias	8	19	27
	Nutritional Deficiencies	7	15	22
	Obesity	53	37	90
	Mental & Behavioral Disorders Due to the Use of Alcohol	82	26	108
	Parkinson's Disease	159	111	270
	Multiple Sclerosis	16	31	47
	Epilepsy	9	10	19
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	405	364	769
	Congestive Heart Failure	62	68	130
Chronic Lower Respiratory	Emphysema	67	53	120
	Asthma	13	19	32
Liver Disease	Alcoholic Liver Disease	207	92	299
Musculoskeletal	Rheumatoid Arthritis	7	24	31
	Lupus	2	10	12
	Osteoporosis	0	6	6
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	28	21	49
	Congenital Malformations of the Circulatory System	23	13	36
	Chromosomal Abnormalities	11	10	21
External Causes	Falls	219	275	494
	Unintentional Drowning	37	15	52
	Unintentional Poisoning	284	178	462
	Exposure to Excessive Natural Heat	21	7	28
	Legal Intervention	7	0	7
	Accidental Discharge of Firearms	7	2	9
	Discharge of Firearms, Undetermined Intent	6	2	8
	Complications of Medical and Surgical Care	16	14	30

Maricopa County 2010 Mortality (Death) Statistics

**Table 2.08b Other Selected Underlying Causes of Death by Sex
Crude Death Rate per 100,000 Residents**

Cause		Sex		
		Male	Female	Total
Infectious Diseases	Clostridium Difficile	2.3	3.1	2.7
	Other Intestinal Infections	0.6	0.6	0.6
	Septicemia	5.2	5.2	5.2
	Viral Hepatitis	4.0	1.9	2.9
	Coccidioidomycosis	1.0	0.2	0.6
	Other Mycoses	0.4	0.3	0.3
Cancer	Brain	4.4	3.4	3.9
	Lip & Oral	2.6	0.7	1.7
	Skin	3.7	1.7	2.7
	Ovarian ¹	0	8.1	8.1
	Testicular ¹	0.3	0	0.3
Other Diseases	Anemias	0.4	1.0	0.7
	Nutritional Deficiencies	0.4	0.8	0.6
	Obesity	2.8	1.9	2.4
	Mental & Behavioral Disorders Due to the Use of Alcohol	4.3	1.3	2.8
	Parkinson's Disease	8.4	5.8	7.1
	Multiple Sclerosis	0.8	1.6	1.2
	Epilepsy	0.5	0.5	0.5
Cardiovascular	Acute Myocardial Infarction (Heart Attack)	21.4	18.9	20.1
	Congestive Heart Failure	3.3	3.5	3.4
Chronic Lower Respiratory	Emphysema	3.5	2.7	3.1
	Asthma	0.7	1.0	0.8
Liver Disease	Alcoholic Liver Disease	11.0	4.8	7.8
Musculoskeletal	Rheumatoid Arthritis	0.4	1.2	0.8
	Lupus	0.1	0.5	0.3
	Osteoporosis	0	0.3	0.2
Perinatal Conditions & Congenital Malformations	Disorders Related to Short Gestation & Low Birth Weight	1.5	1.1	1.3
	Congenital Malformations of the Circulatory System	1.2	0.7	0.9
	Chromosomal Abnormalities	0.6	0.5	0.6
External Causes	Falls	11.6	14.3	12.9
	Unintentional Drowning	2.0	0.8	1.4
	Unintentional Poisoning	15.0	9.2	12.1
	Exposure to Excessive Natural Heat	1.1	0.4	0.7
	Legal Intervention	0.4	0	0.2
	Accidental Discharge of Firearms	0.4	0.1	0.2
	Discharge of Firearms, Undetermined Intent	0.3	0.1	0.2
	Complications of Medical and Surgical Care	0.8	0.7	0.8

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

Maricopa County 2010 Mortality (Death) Statistics

**Table 2.09a Firearm, Drug, and Alcohol Induced and Related Deaths by Age Group
Number of Cases**

Age Group	Firearm Related	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco ¹	Alcohol Induced	Alcohol Related
0-9	4	1	1	2	0	0
10-14	6	0	0	0	0	0
15-19	28	20	23	24	1	3
20-24	61	48	52	54	0	7
25-34	100	107	117	120	20	37
35-44	81	127	148	167	63	88
45-54	80	175	215	402	138	209
55-64	58	93	122	652	134	198
65-74	21	15	18	841	69	96
75-84	34	12	13	1,020	12	28
85+	13	6	6	621	10	14
Total	486	604	715	3,903	447	680

1. See Technical Notes for explanation for the large difference between Drug Related deaths including and excluding tobacco.

**Table 2.09b Firearm, Drug, and Alcohol Induced and Related Deaths by Age Group
Crude Death Rate per 100,000 Residents**

Age Group	Firearm Related	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco ¹	Alcohol Induced	Alcohol Related
0-9	0.7	0.2	0.2	0.4	0	0
10-14	2.2	0	0	0	0	0
15-19	10.1	7.2	8.3	8.7	0	1.1
20-24	22.9	18.0	19.5	20.2	0	2.6
25-34	18.5	19.8	21.6	22.2	3.7	6.8
35-44	15.4	24.2	28.2	31.8	12.0	16.8
45-54	15.9	34.7	42.7	79.8	27.4	41.5
55-64	14.6	23.3	30.6	163.7	33.6	49.7
65-74	8.2	5.9	7.0	329.3	27.0	37.6
75-84	22.9	8.1	8.8	688.3	8.1	18.9
85+	22.0	10.2	10.2	1051.6	16.9	23.7
Total	12.7	15.8	18.7	102.2	11.7	17.8

1. See Technical Notes for explanation for the large difference between Drug Related deaths including and excluding tobacco.

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

Maricopa County 2010 Mortality (Death) Statistics

**Table 2.10a Firearm, Drug, and Alcohol Induced and Related Deaths by Race/Ethnicity
Number of Cases**

Race/Ethnicity	Firearm Related	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco ¹	Alcohol Induced	Alcohol Related
White	333	461	543	3,368	305	469
Hispanic	107	87	105	292	75	120
African American	25	27	37	135	11	16
American Indian	8	13	16	35	49	67
Asian	11	3	5	30	1	1
Multiple	2	6	6	26	4	4
Other/ Unknown	0	7	3	17	2	3
Total	486	604	715	3,903	447	680

1. See Technical Notes for explanation for the large difference between Drug Related deaths including and excluding tobacco.

**Table 2.10b Firearm, Drug, and Alcohol Induced and Related Deaths by Race/Ethnicity
Crude Death Rate per 100,000 Residents**

Race/Ethnicity	Firearm Related	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco ¹	Alcohol Induced	Alcohol Related
White	14.9	20.6	24.2	150.4	13.6	20.9
Hispanic	9.5	7.7	9.3	25.9	6.6	10.6
African American	14.1	15.2	20.8	76.1	6.2	9.0
American Indian	13.5	21.9	27.0	59.1	82.7	113.1
Asian	8.1	2.2	3.7	22.2	0.7	0.7
Multiple	2.8	8.4	8.4	36.6	5.6	5.6
Other/ Unknown	-	-	-	-	-	-
Total	12.7	15.8	18.7	102.2	11.7	17.8

1. See Technical Notes for explanation for the large difference between Drug Related deaths including and excluding tobacco.

**Table 2.11a Firearm, Drug, and Alcohol Induced and Related Deaths by Sex
Number of Cases**

Gender	Firearm Related	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco ¹	Alcohol Induced	Alcohol Related
Male	427	346	424	2,289	321	495
Female	59	258	291	1,614	126	185
Total	486	604	715	3,903	447	680

1. See Technical Notes for explanation for the large difference between Drug Related deaths including and excluding tobacco.

**Table 2.11b Firearm, Drug, and Alcohol Induced and Related Deaths by Sex
Crude Death Rate per 100,000 Residents**

Gender	Firearm Related	Drug Induced	Drug Related, Exc. Tobacco	Drug Related, Inc. Tobacco ¹	Alcohol Induced	Alcohol Related
Male	22.6	18.3	22.5	121.2	17.0	26.2
Female	3.1	13.4	15.1	83.7	6.5	9.6
Total	12.7	15.8	18.7	102.2	11.7	17.8

1. See Technical Notes for explanation for the large difference between Drug Related deaths including and excluding tobacco.

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

Maricopa County 2010 Mortality (Death) Statistics

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

Gender	Race/Ethnicity														Total	
	White		Hispanic		Black		American Indian		Asian		Multiple		Other/Unknown		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	2	0.9	2	0.0
Male	9,977	50.2	1,503	56.7	494	52.9	142	50.2	186	53.0	77	55.8	128	60.4	12,507	51.2
Female	9,890	49.8	1,150	43.3	440	47.1	141	49.8	165	47.0	61	44.2	82	38.7	11,929	48.8
Total	19,867		2,653		934		283		351		138		212		24,438	

Table 2.13 Number and Percent of Deaths by Race/Ethnicity and Marital Status

Marital Status at Death	Race/Ethnicity														Total	
	White		Hispanic		Black		American Indian		Asian		Multiple		Other/Unknown		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Single	1,565	7.9	648	24.4	203	21.7	112	39.6	62	17.7	38	27.5	21	9.9	2,649	10.8
Married	7,849	39.5	999	37.7	285	30.5	62	21.9	170	48.4	40	29.0	67	31.6	9,472	38.8
Widowed	7,085	35.7	603	22.7	236	25.3	45	15.9	86	24.5	33	23.9	48	22.6	8,136	33.3
Divorced	3,197	16.1	387	14.6	201	21.5	63	22.3	32	9.1	26	18.8	26	12.3	3,932	16.1
Unknown	171	0.9	16	0.6	9	1.0	1	0.4	1	0.3	1	0.7	50	23.6	249	1.0
Total	19,867		2,653		934		283		351		138		212		24,438	

Maricopa County 2010 Mortality (Death) Statistics

Table 2.14 Number and Percent of Deaths by Race/Ethnicity and Education Level

Educational Level	Race/Ethnicity														Total	
	White		Hispanic		Black		American Indian		Asian		Multiple		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
8th Grade or Less	1,125	5.7	935	35.2	102	10.9	38	13.4	45	12.8	10	7.2	14	6.6	2,269	9.3
Some High School	1,483	7.5	340	12.8	125	13.4	64	22.6	23	6.6	18	13.0	7	3.3	2,060	8.4
High School Graduate or GED	7,840	39.5	662	25.0	280	30.0	88	31.1	120	34.2	39	28.3	63	29.7	9,092	37.2
Some College	3,399	17.1	208	7.8	151	16.2	51	18.0	37	10.5	18	13.0	21	9.9	3,885	15.9
College Graduate	4,088	20.6	198	7.5	166	17.8	24	8.5	75	21.4	27	19.6	52	24.5	4,630	18.9
Graduate School	1,463	7.4	45	1.7	47	5.0	5	1.8	31	8.8	8	5.8	13	6.1	1,612	6.6
Unknown	469	2.4	265	10.0	63	6.7	13	4.6	20	5.7	18	13.0	42	19.8	890	3.6
Total	19,867		2,653		934		283		351		138		212		24,438	

Maricopa County 2010 Mortality (Death) Statistics

Table 2.15 Crude and Age Adjusted Rates for Selected Underlying Causes of Death by Race/Ethnicity

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

Crude Death Rates							
	White	Hispanic	African American	American Indian	Asian	Multiple	Total
All Causes - Total	886.9	235.6	526.2	477.6	260.0	194.2	640.2
Heart Disease	195.7	37.1	104.2	59.1	47.4	47.9	134.7
All Cancer	206.1	47.9	107.6	40.5	68.1	40.8	144.3
Cerebrovascular	40.0	9.8	28.7	6.8	14.1	4.2	28.4
Unintentional Injuries ¹	52.0	21.3	32.7	62.4	22.2	15.5	40.6
Pneumonia & Influenza	10.8	2.7	5.1	13.5	3.7	2.8	7.8
Diabetes (single cause)	20.0	12.3	36.6	59.1	7.4	4.2	18.4
Suicide	20.2	5.1	6.2	5.1	8.1	4.2	14.4
Homicide	3.2	8.6	15.2	23.6	5.2	2.8	5.7
AIDS and HIV	1.5	1.5	6.2	5.1	0	0	1.8
Asthma	1.0	0.5	1.7	1.7	0	0	0.8
Drug Induced	20.6	7.7	15.2	21.9	2.2	8.4	15.8
Firearm Related	14.8	9.4	14.1	13.5	8.1	2.8	12.7
Alcohol Induced	13.6	6.6	6.2	82.7	0.7	5.6	11.7
Age Adjusted Death Rates							
	White	Hispanic	African American	American Indian	Asian	Multiple	Total
All Causes	652.9	597.3	841.2	878.2	450.3	552.8	654.7
Heart Disease	138.6	111.5	170.9	139.1	92.3	166.0	138.0
All Cancer	150.5	123.7	170.6	76.3	103.2	133.0	146.8
Cerebrovascular	28.3	30.4	57.7	18.8	23.9	13.7	29.4
Unintentional Injuries ¹	44.0	33.2	38.9	68.5	31.4	30.2	41.2
Pneumonia & Influenza	7.7	7.7	8.2	28.6	8.7	9.6	8.0
Diabetes (single cause)	14.6	36.1	62.4	123.1	12.0	8.0	18.7
Suicide	18.9	5.2	5.6	4.2	7.1	8.8	14.5
Homicide	3.3	8.2	14.5	21.5	4.9	1.8	5.8
AIDS and HIV	1.4	2.0	6.4	4.4	0	0	1.8
Asthma	0.7	0.6	1.8	8.3	0	0	0.8
Drug Induced	19.9	9.6	15.2	20.2	1.8	11.0	16.0
Firearm Related	13.9	8.4	13.4	11.2	7.1	7.2	12.8
Alcohol Induced	11.1	11.2	6.6	105.8	1.0	12.1	11.5

¹ Unintentional injuries listed in this table include 1,549 deaths from unintentional injuries, but do not include the 30 deaths from complications of medical or surgical care. The figure in this table is comparable to the HP 2010 goal for deaths due to unintentional injury. See Technical Notes for details

Table 2.16 Death Rate Comparisons to Arizona, U.S. and Healthy People 2010 Goals for Selected Underlying Causes of Death

Causes of Death	2010 Maricopa County		Age Adjusted Rate (Deaths per 100,000 Residents)			
	No. of Individuals	Crude Rate (Deaths per 100,000 Residents)	Maricopa County 2010	Arizona 2010	U.S. 2010/2008	Healthy People 2010 Goal
All Causes	24,438	640.2	654.7	679.9	746.2	
Heart Disease	5,143	134.7	138.0	143.3	178.5	-
Coronary Heart Disease	4,308	112.9	115.5	112.9	-	166.0
All Other Heart Disease	835	21.8	22.5	-	-	-
All Cancers	5,508	144.3	146.8	150.5	172.5	159.9
Lung, Trachea, Bronchus Cancer	1,445	37.9	38.7	38.1	47.6	44.9
Female Breast Cancer ¹	404	20.9	19.3	19.2	22.5 ⁴	22.3
Prostate Cancer ¹	273	14.5	17.9	19.1	22.3 ⁴	28.8
All Other Cancers	3,386	71.0	-	-	-	-
Cerebrovascular Disease (Stroke)	1,084	28.4	29.4	30.7	39.0	48.0
Unintentional Injuries (Accidents) ²	1,549	40.6	41.2	43.8	37.1	17.5
Motor Vehicle	336	8.8	8.9	11.1	11.2	-
Falls	494	12.9	13.4	11.5	7.9	-
Accidental Poisoning	462	12.1	12.2	14.0	9.9	-
Drowning	52	1.4	1.3	1.3	1.2	-
All Other Unintentional Injuries	205	5.4	-	-	-	-
Pneumonia & Influenza	296	7.8	8.0	10.9	15.1	-
Diabetes ⁵	702	18.4	18.7	20.1	20.8	-
Suicide	548	14.4	14.5	16.7	11.9	5.0
Homicide	219	5.7	5.8	6.5	5.3	3.0
AIDS & HIV	67	1.8	1.8	1.6	2.6	0.7 ³
Asthma	32	0.8	0.8	-	1.0	-
Drug Induced	604	15.8	16.0	17.6	12.1	1.0
Firearm Related	484	12.7	12.8	14.2	10.0	4.1
Alcohol Induced	447	11.7	11.5	14.1	7.5	-

1. The Maricopa County, Arizona, United States and HP 2010 Goal rates for female breast cancer are calculated as a rate per 100,000 women. The rates for prostate cancer are calculated as rates per 100,000 men.
2. Unintentional injuries listed in this table include 1,549 deaths from unintentional injuries, but do not include the 30 deaths from complications of medical or surgical care. The figure in this table is comparable to the HP 2010 goal. See Technical Notes for details.
3. When compared directly to the Healthy People 2010 Goals, Maricopa County data for HIV/AIDS and drug induced deaths are inflated by approximately 15-20% because a different method of classifying deaths was used to determine the Healthy People Goals.
4. All Figures are from Preliminary 2010 U.S. data except for Breast cancer and Prostate cancer which are Final 2008 U.S. data.
5. Healthy People 2010 Goal for diabetes includes deaths where diabetes is listed as a multiple cause of death. Maricopa County had a death rate of 30.9 deaths per 100,000 residents. The Healthy People 2010 Goal is 45.0 deaths per 100,000 residents.

III. Maricopa County 2010 Communicable Disease Statistics

Maricopa County 2010 Communicable Disease Statistics

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

Disease		Race/Ethnicity						Total
		White	Hispanic	African American	American Indian	Asian	Unknown	
Vaccine Preventable	<i>H. influenzae</i>	41	5	4	2	1	9	62
	Measles	0	0	0	0	0	0	0
	Mumps	2	0	1	0	1	0	4
	Pertussis	32	21	0	6	0	4	63
Central Nervous System	Encephalitis Viral Other	2	0	0	0	0	0	2
	Meningitis Viral/Aseptic	405	157	38	4	7	31	642
	Meningococcal Meningitis	4	2	0	0	0	0	6
Enterics	Amebiasis	0	0	0	0	0	1	1
	Botulism	0	0	0	0	0	0	0
	Campylobacteriosis	138	99	6	15	1	287	546
	Cholera	0	0	0	0	0	0	0
	Cryptosporidiosis	17	1	0	2	0	1	21
	<i>E. Coli</i> O157.H7	34	2	1	0	0	13	50
	Giardiasis	37	7	7	1	2	49	103
	Listeriosis	3	1	0	0	0	2	6
	Norovirus	0	1	0	0	0	70	71
	Salmonella Paratyphi	0	2	1	0	0	0	3
	Salmonellosis	205	77	19	24	9	171	505
	Shigellosis	52	114	10	9	0	59	244
	Typhoid Fever	1	0	0	0	1	4	6
Mycosis	Coccidioidomycosis	1,470	278	145	33	60	7,470	9,456
Zoonoses/ Vectorborne	Brucellosis	1	5	0	0	0	0	6
	Dengue	2	1	0	0	1	3	7
	Hantavirus Pulmonary Syndrome	0	0	0	0	0	0	0
	Lyme Disease	0	0	0	0	0	0	0
	Malaria	3	0	9	0	2	6	20
	West Nile Virus ¹	85	11	1	2	1	15	115
Hepatitides	Hepatitis A	14	6	2	0	1	10	33
	Hepatitis B (Acute) ¹	12	2	4	2	0	74	94
	Hepatitis D	0	0	0	0	0	0	0
Other	Legionellosis	28	8	3	0	0	5	44
	MRSA	54	20	9	7	2	706	798
	RSV	193	185	25	70	6	1,239	1,718
	Strep Group A	36	17	3	9	2	34	101
	Strep Group B ² Invasive	7	10	2	1	0	10	30
	Strep Pneumo Invasive	200	59	22	13	4	125	423
	Toxic Shock Syndrome	1	1	0	0	0	0	2
	Vibrio Infection	7	1	1	0	0	4	13
	Yersiniosis	1	0	0	0	0	0	1
	Hansen's Disease	0	0	0	0	0	0	0
Tuberculosis		24	61	17	2	49	0	153
Sexually Transmitted Disease	Genital Herpes	47	35	43	21	0	982	1,128
	Gonorrhea	173	95	127	26	3	1,866	2,290
	Syphilis-Primary and Secondary	16	7	6	0	0	130	159
	Syphilis-All Others	34	27	16	11	0	387	475
	Chlamydia	544	710	420	179	11	13,752	15,616
	HIV	150	87	33	11	4	5	290
	AIDS	150	95	45	19	7	4	320
All Others		98	35	4	0	4	53	194
Total		4,323	2,245	1,024	469	179	27,581	35,821

¹Figures for West Nile virus and Hepatitis B (Acute) include confirmed and probable cases.

² Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

Maricopa County 2010 Communicable Disease Statistics

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

Disease		Race/Ethnicity						Total
		White	Hispanic	African American	American Indian	Asian	Unknown	
Vaccine Preventable	<i>H. influenzae</i>	1.8	0.4	2.3	3.4	1	-	1.6
	Measles	0	0	0	0	0	-	0
	Mumps	0.1	0.0	0.6	0.0	0.7	-	0.1
	Pertussis	1.4	1.9	0	10.1	0	-	1.7
Central Nervous System	Encephalitis Viral Other	0.1	0	0	0	0	-	0.1
	Meningitis Viral/Aseptic	18.1	13.9	21.4	6.8	5.2	-	16.8
	Meningococcal Meningitis	0.2	0.2	0	0	0	-	0.2
Enterics	Amebiasis	0	0	0	0	0	-	0.0
	Botulism	0	0	0	0	0	-	0
	Campylobacteriosis	6.2	8.8	3.4	25.3	0.7	-	14.3
	Cholera	0	0	0	0	0	-	0
	Cryptosporidiosis	0.8	0.1	0.0	3.4	0	-	0.6
	<i>E. Coli</i> O157.H7	1.5	0.2	0.6	0	0	-	1.3
	Giardiasis	1.7	0.6	3.9	1.7	1.5	-	2.7
	Listeriosis	0.1	0.1	0	0	0	-	0.2
	Norovirus	0	0.1	0	0	0	-	1.9
	Salmonella Paratyphi	0	0.2	0.6	0	0	-	0.1
	Salmonellosis	9.2	6.8	10.7	40.5	6.7	-	13.2
	Shigellosis	2.3	10.1	5.6	15.2	0	-	6.4
	Typhoid Fever	0.0	0	0	0	0.7	-	0.2
Mycosis	Coccidioidomycosis	65.6	24.6	81.7	55.7	44.4	-	247.7
Zoonoses/ Vectorborne	Brucellosis	0.0	0.4	0	0	0	-	0.2
	Dengue	0.1	0.1	0	0	0.7	-	0.2
	Hantavirus Pulmonary Syndrome	0	0	0	0	0	-	0
	Lyme Disease	0	0	0	0	0	-	0
	Malaria	0.1	0	5.1	0	1.5	-	0.5
	West Nile Virus	3.8	1.0	0.6	3.4	0.7	-	3.0
Hepatitides	Hepatitis A	0.6	0.5	1.1	0	0.7	-	0.9
	Hepatitis B (Acute)	0.5	0.2	2.3	3.4	0	-	2.5
	Hepatitis D	0	0	0	0	0	-	0
Other	Legionellosis	1.2	0.7	1.7	0	0	-	1.2
	MRSA	2.4	1.8	5.1	11.8	1.5	-	20.9
	RSV	8.6	16.4	14.1	118.1	4.4	-	45.0
	Strep Group A	1.6	1.5	1.7	15.2	1.5	-	2.6
	Strep Group B ¹ Invasive	0.3	0.4	0.6	0.6	0	-	0.6
	Strep Pneumo Invasive	8.9	5.2	12.4	21.9	3.0	-	11.1
	Toxic Shock Syndrome	0.0	0.1	0	0	0	-	0.1
	Vibrio Infection	0.3	0.1	0.6	0	0	-	0.3
	Yersiniosis	0.0	0	0	0	0	-	0.0
	Hansen's Disease	0	0	0	0	0	-	0
Tuberculosis		1.1	5.4	9.6	3.4	36.3	-	4.0
Sexually Transmitted Disease	Genital Herpes	2.1	3.1	24.2	35.4	0.0	-	29.6
	Gonorrhea	7.7	8.4	71.6	43.9	2.2	-	60.0
	Syphilis-Primary and Secondary	0.7	0.6	3.4	0	0	-	4.2
	Syphilis-All Others	1.5	2.4	9.0	18.6	0	-	12.4
	Chlamydia	24.3	62.9	236.6	302.1	8.1	-	409.1
	HIV	6.7	7.7	18.6	18.6	3.0	-	7.6
	AIDS	6.7	8.4	25.4	32.1	5.2	-	8.4
All Others		4.4	3.1	2.3	0	3.0	-	5.1
Total		193.0	198.9	576.9	791.5	132.6	-	938.4

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

Maricopa County 2010 Communicable Disease Statistics
Table 3.02a Number of Cases of Selected Reportable Diseases by Age Group

Disease		Age Group													Total
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	3	3	2	0	0	0	3	4	5	12	21	9	0	62
	Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mumps	0	0	1	1	0	0	1	0	0	0	1	0	0	4
	Pertussis	21	15	4	10	1	3	5	2	1	1	0	0	0	63
Central Nervous System	Enceph Viral Other	0	0	0	0	1	0	0	0	0	0	1	0	0	2
	Meningitis Viral/Aseptic	51	24	55	50	54	68	103	83	60	38	44	10	2	642
	Meningococcal Meningitis	2	1	0	0	0	0	0	1	0	1	1	0	0	6
Enterics	Amebiasis	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Campylobacteriosis	14	86	49	28	19	32	60	60	74	52	54	5	13	546
	Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cryptosporidiosis	1	0	3	2	0	3	2	2	5	2	1	0	0	21
	<i>E. Coli</i> O157.H7	1	12	8	5	2	1	3	2	4	6	5	1	0	50
	Giardiasis	1	18	11	9	3	7	10	17	13	8	4	1	1	103
	Listeriosis	0	0	0	0	0	0	0	0	1	0	4	1	0	6
	Norovirus	1	5	4	2	1	2	8	5	2	8	25	8	0	71
	Salmonella Paratyphi	0	1	0	0	0	1	0	0	0	1	0	0	0	3
	Salmonellosis	55	81	39	32	33	28	53	34	66	30	46	8	0	505
	Shigellosis	6	73	56	26	9	9	24	13	15	5	6	0	2	244
	Typhoid	0	0	1	1	1	0	0	1	0	0	2	0	0	6
	Mycosis	Coccidioidomycosis	6	39	106	209	512	449	1,295	1,672	1,654	1,466	1,808	201	39
Zoonoses/ Vectorborne	Brucellosis	0	1	1	0	0	0	3	1	0	0	0	0	0	6
	Dengue	0	0	1	0	0	0	2	0	2	2	0	0	0	7
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Malaria	0	1	1	0	0	3	8	5	1	1	0	0	0	20
	West Nile Virus ¹	0	0	0	2	2	1	10	21	31	19	27	2	0	115
Hepatitides	Hepatitis A	0	0	2	0	2	10	6	3	3	4	2	1	0	33
	Hepatitis B ¹ (Acute)	0	0	0	0	2	4	28	22	18	13	6	1	0	94
	Hepatitis D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Legionellosis	1	1	0	0	0	0	1	2	5	10	23	1	0	44
	MRSA	4	4	3	3	4	10	46	76	131	149	295	66	7	798
	RSV	902	492	39	5	3	1	5	8	7	9	19	3	225	1,718
	Strep Group A	1	7	7	2	2	2	9	8	12	16	27	8	0	101
	Strep Group B ² Invasive	30	0	0	0	0	0	0	0	0	0	0	0	0	30
	Strep Pneumo Invasive	22	40	10	2	2	5	24	36	58	81	110	28	5	423
	Toxic Shock Syndrome	0	0	0	1	0	0	1	0	0	0	0	0	0	2
	Vibrio spp.	0	1	0	1	0	1	2	2	3	1	1	1	0	13
	Yersiniosis	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	Hansen's Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis		0	7	6	2	4	6	29	26	26	25	20	2	0	153
Sexually Transmitted Diseases	Genital Herpes	0	1	0	3	100	244	341	209	142	65	23	0	0	1,128
	Gonorrhea	0	2	0	19	513	730	682	228	98	14	4	0	0	2,290
	Syphilis-Primary and Secondary	0	0	0	0	8	24	53	33	29	10	2	0	0	159
	Syphilis – All Others	13	0	0	0	20	60	121	126	90	35	10	0	0	475
	Chlamydia	0	9	2	140	4,718	5,744	3,850	883	209	48	13	0	0	15,616
	HIV	0	0	1	0	1	57	107	71	39	11	3	0	0	290
	AIDS	0	0	0	0	2	13	78	110	75	34	8	0	0	320
All Others		17	40	81	63	16	2	9	4	13	10	46	13	2	316
Total		1,147	952	457	584	6,026	7,524	6,984	3,768	2,889	2,196	2,637	359	298	35,821

¹ Figures for West Nile Virus and Hepatitis B (Acute) include confirmed and probable cases.

² Streptococcal Group B Invasive disease is only reportable for cases in infants under 90 days.

Maricopa County 2010 Communicable Disease Statistics

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

Disease	Age Group												Total	
	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-84	85+	Unk.		
Vaccine Preventable	<i>H. influenzae</i>	2.1	0.7	0	0	0	0.6	0.8	1.0	3.0	5.2	15.2	-	1.6
	Measles	0	0	0	0	0	0	0	0	0	0	0	-	0
	Mumps	0	0.4	0.4	0	0	0.2	0	0	0	0.2	0	-	0.1
	Pertussis	12.7	1.4	3.6	0.4	1.1	0.9	0.4	0.2	0.3	0	0	-	1.7
Central Nervous System	Enceph Viral Other	0	0	0	0.4	0	0	0	0	0	0.2	0	-	0.1
	Meningitis Viral/Aseptic	26.5	19.5	18.0	19.5	25.5	19.0	15.8	11.9	9.5	10.9	16.9	-	16.8
	Meningococcal Meningitis	1.1	0	0	0	0	0	0.2	0	0.3	0.2	0	-	0.2
Enterics	Amebiasis	0	0	0	0	0	0	0	0	0	0.2	0	-	0.0
	Botulism	0	0	0	0	0	0	0	0	0	0	0	-	0
	Campylobacteriosis	35.4	17.3	10.1	6.9	12.0	11.1	11.4	14.7	13.1	13.4	8.5	-	14.3
	Cholera	0	0	0	0	0	0	0	0	0	0	0	-	0
	Cryptosporidiosis	0.4	1.1	0.7	0	1.1	0.4	0.4	1.0	0.5	0.2	0	-	0.6
	<i>E. Coli</i> O157.H7	4.6	2.8	1.8	0.7	0.4	0.6	0.4	0.8	1.5	1.2	1.7	-	1.3
	Giardiasis	6.7	3.9	3.2	1.1	2.6	1.8	3.2	2.6	2.0	1.0	1.7	-	2.7
	Listeriosis	0	0	0	0	0	0	0	0.2	0	1.0	1.7	-	0.2
	Norovirus	2.1	1.4	0.7	0.4	0.7	1.5	1.0	0.4	2.0	6.2	13.5	-	1.9
	Salmonella Paratyphi	0.4	0	0	0	0.4	0	0	0	0.3	0	0	-	0.1
	Salmonellosis	48.1	13.8	11.5	11.9	10.5	9.8	6.5	13.1	7.5	11.4	13.5	-	13.2
	Shigellosis	27.9	19.8	9.4	3.3	3.4	4.4	2.5	3.0	1.3	1.5	0	-	6.4
	Typhoid	0	0.4	0.4	0.4	0	0	0.2	0	0	0.5	0	-	0.2
	Mycosis	Coccidioidomycosis	15.9	37.5	75.4	184.9	168.2	239.3	318.7	328.2	368.1	448.0	340.4	-
Zoonoses/ Vectorborne	Brucellosis	0.4	0.4	0	0	0	0.6	0.2	0	0	0	0	-	0.2
	Dengue	0	0.4	0	0	0	0.4	0	0.4	0.5	0	0	-	0.2
	Hantavirus Pulm. Syn.	0	0	0	0	0	0	0	0	0	0	0	-	0
	Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	-	0
	Malaria	0.4	0.4	0	0	1.1	1.5	1.0	0.2	0.3	0	0	-	0.5
	West Nile Virus	0	0	0.7	0.7	0.4	1.8	4.0	6.2	4.8	6.7	3.4	-	3.0
Hepatitides	Hepatitis A	0	0.7	0	0.7	3.7	1.1	0.6	0.6	1.0	0.5	1.7	-	0.9
	Hepatitis B (Acute)	0	0	0	0.7	1.5	5.2	4.2	3.6	3.3	1.5	1.7	-	2.5
	Hepatitis D	0	0	0	0	0	0	0	0	0	0	0	-	0
Other	Legionellosis	0.7	0	0	0	0	0.2	0.4	1.0	2.5	5.7	1.7	-	1.2
	MRSA	2.8	1.1	1.1	1.4	3.7	8.5	14.5	26.0	37.4	73.1	111.8	-	20.9
	RSV	493.0	13.8	1.8	1.1	0.4	0.9	1.5	1.4	2.3	4.7	5.1	-	45.0
	Strep Group A	2.8	2.5	0.7	0.7	0.7	1.7	1.5	2.4	4.0	6.7	13.5	-	2.6
	Strep Group B ¹ Invasive	0.5	0	0	0	0	0	0	0	0	0	0	-	0.6
	Strep Pneumo Invasive	21.9	3.5	0.7	0.7	1.9	4.4	6.9	11.5	20.3	27.3	47.4	-	11.1
	Toxic Shock Syndrome	0	0	0.4	0	0	0.2	0	0	0	0	0	-	0.1
	Vibrio spp.	0.4	0	0.4	0	0.4	0.4	0.4	0.6	0.3	0.2	1.7	-	0.3
	Yersiniosis	0	0	0	0	0	0	0	0	0	0.2	0	-	0.0
	Hansen's Disease	0	0	0	0	0	0	0	0	0	0	0	-	0
Tuberculosis		2.5	2.1	0.7	1.4	2.2	5.4	5.0	5.2	6.3	5.0	3.4	-	4.0
Sexually Transmitted Diseases	Genital Herpes	0.4	0	1	36.1	91.4	63.0	39.8	28.2	16.3	5.7	0	-	29.6
	Gonorrhea	0.7	0	6.9	185.3	273.5	126.0	43.5	19.4	3.5	1.0	0	-	60.0
	Syphilis – Primary and Secondary	0	0	0	2.9	9.0	9.8	6.3	5.8	2.5	0.5	0	-	4.2
	Syphilis – All Others	4.6	0	0	7.2	22.5	22.4	24.0	17.9	8.8	2.5	0	-	12.4
	Chlamydia	3.2	0.7	50.5	1,703.9	2,152.3	711.5	168.3	41.5	12.1	3.2	0	-	409.1
	HIV	0	0.4	0	0.4	21.4	19.8	13.5	7.7	2.8	0.7	0	-	7.6
	AIDS	0	0	0	0.7	4.9	14.4	21.0	14.9	8.5	2.0	0	-	8.4
All Others		6.4	15.9	10.5	2.5	2.2	2.0	0.4	2.0	4.8	4.7	3.4	-	5.1
Total		742.3	161.7	210.7	2,176.2	2,819.3	1,290.6	718.3	573.3	551.3	653.4	607.9	-	938.4

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

Maricopa County 2010 Communicable Disease Statistics

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

Disease		Sex			Total
		Male	Female	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	23	38	1	62
	Measles	0	0	0	0
	Mumps	4	0	0	4
	Pertussis	33	30	0	63
Central Nervous System	Enceph Viral Other	0	2	0	2
	Meningitis Viral/Aseptic	327	312	3	642
	Meningococcal	3	3	0	6
Enterics	Amebiasis	1	0	0	1
	Botulism	0	0	0	0
	Campylobacteriosis	298	247	1	546
	Cholera	0	0	0	0
	Cryptosporidiosis	12	9	0	21
	<i>E. Coli</i> O157.H7	29	21	0	50
	Giardiasis	69	34	0	103
	Listeriosis	2	4	0	6
	Norovirus	28	43	0	71
	Salmonella Paratyphi	0	3	0	3
	Salmonellosis	237	267	1	505
	Shigellosis	127	117	0	244
	Typhoid	2	3	1	6
	Mycosis	Coccidioidomycosis	3,878	5,464	114
Zoonoses/ Vectorborne	Brucellosis	2	4	0	6
	Dengue	3	4	0	7
	Hantavirus Pulm. Syn.	0	0	0	0
	Lyme Disease	0	0	0	0
	Malaria	13	7	0	20
	West Nile Virus ¹	67	48	0	115
Hepatitides	Hepatitis A	18	15	0	33
	Hepatitis B ¹ (Acute)	60	34	0	94
	Hepatitis D	0	0	0	0
Other	Legionellosis	30	14	0	44
	MRSA	472	307	19	798
	RSV	788	669	261	1,718
	Strep Group A	53	47	1	101
	Strep Group B Invasive	12	18	0	30
	Strep Pneumo Invasive	212	198	13	423
	Toxic Shock Syndrome	0	2	0	2
	Vibrio spp.	6	7	0	13
	Yersiniosis	0	1	0	1
	Hansen's Disease	0	0	0	0
	Tuberculosis		88	65	0
Sexually Transmitted Diseases	Genital Herpes	402	725	0	1,128
	Gonorrhea	1,251	1,039	0	2,290
	Syphilis – Primary and Secondary	150	9	0	159
	Syphilis – All Others	349	126	0	475
	Chlamydia	4,402	11,214	0	15,616
	HIV	261	29	0	290
	AIDS	276	44	0	320
All Others		91	91	12	194
Total		14,079	21,314	427	35,821

¹ Figures for West Nile Virus and Hepatitis B (Acute) include confirmed and probable cases.

Maricopa County 2010 Communicable Disease Statistics

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

Disease		Sex			Total
		Male	Female	Unk.	
Vaccine Preventable	<i>H. influenzae</i>	1.2	2.0	-	1.6
	Measles	0	0	-	0
	Mumps	0.2	0	-	0.1
	Pertussis	1.7	1.6	-	1.7
Central Nervous System	Enceph Viral Other	0	0.1	-	0.1
	Meningitis Viral/Aseptic	17.3	16.2	-	16.8
	Meningococcal Meningitis	0.2	0.2	-	0.2
Enterics	Amebiasis	0.1	0	-	0.0
	Botulism	0	0	-	0
	Campylobacteriosis	15.8	12.8	-	14.3
	Cholera	0	0	-	0
	Cryptosporidiosis	0.6	0.5	-	0.6
	<i>E. Coli</i> O157.H7	1.5	1.1	-	1.3
	Giardiasis	3.7	1.8	-	2.7
	Listeriosis	0.1	0.2	-	0.2
	Norovirus	1.5	2.2	-	1.9
	Salmonella Paratyphi	0	0.2	-	0.1
	Salmonellosis	12.5	13.8	-	13.2
	Shigellosis	6.7	6.1	-	6.4
	Typhoid	0.1	0.2	-	0.2
Mycosis	Coccidioidomycosis	205.4	283.3	-	247.7
Zoonoses/ Vectorborne	Brucellosis	0.1	0.2	-	0.2
	Dengue	0.2	0.2	-	0.2
	Hantavirus Pulm. Syn.	0	0	-	0
	Lyme Disease	0	0	-	0.0
	Malaria	0.7	0.4	-	0.5
	West Nile Virus	3.5	2.5	-	3.0
Hepatitides	Hepatitis A	1.0	0.8	-	0.9
	Hepatitis B (Acute)	3.2	1.8	-	2.5
	Hepatitis D	0	0	-	0
Other	Legionellosis	1.6	0.7	-	1.2
	MRSA	25.0	15.9	-	20.9
	RSV	41.7	34.7	-	45.0
	Strep Group A	2.8	2.4	-	2.6
	Strep Group B ¹ Invasive	0.4	0.7	-	0.6
	Strep Pneumo Invasive	11.2	10.3	-	11.1
	Toxic Shock Syndrome	0	0.1	-	0.1
	Vibrio spp.	0.3	0.4	-	0.3
	Yersiniosis	0	0.1	-	0.0
	Hansen's Disease	0	0	-	0
Tuberculosis		4.7	3.4	-	4.0
Sexually Transmitted Diseases	Genital Herpes	21.3	37.6	-	29.6
	Gonorrhea	66.2	53.9	-	60.0
	Syphilis – Primary and Secondary	7.9	0.5	-	4.2
	Syphilis – All Others	18.5	6.5	-	12.4
	Chlamydia	233.1	581.4	-	409.1
	HIV	13.8	1.5	-	7.6
	AIDS	14.6	2.3	-	8.4
All Others		4.8	4.7	-	5.1
Total		745.5	1105.1	-	938.4

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

Maricopa County 2010 Communicable Disease Statistics

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

Disease	2010 Maricopa County		Crude Case Rate (Cases per 100,000 Residents)		
	Number of cases	Crude Case Rate (Cases per 100,000 Residents)	Arizona 2010	U.S. 2009	Healthy People 2010 Goal
Salmonellosis	505	13.2	14.3	16.2	6.8
AIDS	320	8.4	-	-	1.0
HIV	290	7.6	6.1	-	-
Tuberculosis	153	4.0	3.6	3.8	1.0
Hepatitis B (Acute Cases Only)	94	2.5	2.3	1.1	-
Hepatitis A	33	0.9	1.1	0.7	4.5
Syphilis (Primary and Secondary)	159	4.2	3.6	4.6	0.2 ¹
Pertussis	63	1.7	1.2	5.5	0.7
Rubella	0	0	0.0	0	0
Mumps	4	0.1	0.1	0.7	0
Measles	0	0	0.0	0.02	0

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

IV. Maricopa County 2010 Natality (Birth) Statistics

Maricopa County 2010 Natality (Birth) Statistics

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

Age Group of Mother	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<15	8	0.0	49	0.2	8	0.2	3	0.2	1	0.0	0	0	69	0.1
15-19	1,262	5.2	3,338	14.9	395	12.3	212	13.4	61	2.6	5	2.5	5,273	9.7
20-24	4,791	19.6	6,378	28.5	990	30.8	556	35.1	269	11.5	38	18.8	13,022	24.0
25-29	7,707	31.5	5,777	25.8	893	27.8	397	25.0	650	27.8	41	20.3	15,465	28.5
30-34	6,741	27.5	4,275	19.1	569	17.7	268	16.9	843	36.1	46	22.8	12,742	23.5
35-39	3,216	13.1	2,137	9.5	296	9.2	122	7.7	417	17.9	42	20.8	6,230	11.5
40-44	679	2.8	442	2.0	58	1.8	27	1.7	92	3.9	19	9.4	1,317	2.4
45+	81	0.3	17	0.1	6	0.2	0	0	2	0.1	11	5.4	117	0.2
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

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

Marital Status of Mother	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	17,264	70.5	9,217	41.1	1,121	34.9	388	24.5	1,965	84.2	154	76.2	30,109	55.5
Single	7,000	28.6	12,935	57.7	2,056	64.0	1,160	73.2	360	15.4	46	22.8	23,557	43.4
Refused	141	0.6	184	0.8	32	1.0	29	1.8	6	0.3	0	0	392	0.7
Divorced	11	0.0	18	0.1	1	0.0	1	0.1	1	0.0	0	0	32	0.1
Unknown	69	0.3	59	0.3	5	0.2	7	0.4	3	0.1	2	1.0	145	0.3
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

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

Education Level of Mother	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
< 6th Grade	59	0.2	531	2.4	84	2.6	4	0.3	52	2.2	2	1.0	732	1.3
6-11th Grade	1,643	6.7	8,632	38.5	502	15.6	427	26.9	128	5.5	9	4.5	11,341	20.9
HS Diploma	5,897	24.1	7,516	33.5	1,153	35.9	559	35.3	386	16.5	32	15.8	15,543	28.7
College+	16,773	68.5	5,658	25.2	1,454	45.2	590	37.2	1,758	75.3	47	23.3	26,280	48.5
Unknown	113	0.5	76	0.3	22	0.7	5	0.3	11	0.5	112	55.4	339	0.6
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Maricopa County 2010 Natality (Birth) Statistics

Table 4.04 Number and Percent of Births by Method of Payment & Race/Ethnicity of Mother

Method of Payment	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
AHCCCS	8,060	32.9	16,803	75.0	2,183	67.9	1,060	66.9	672	28.8	128	63.4	28,906	53.3
Indian Health Service	18	0.1	20	0.1	4	0.1	139	8.8	1	0.0	0	0	182	0.3
Private Insurance	15,537	63.5	4,906	21.9	960	29.9	356	22.5	1,592	68.2	57	28.2	23,408	43.2
Self	744	3.0	601	2.7	52	1.6	24	1.5	54	2.3	10	5.0	1,485	2.7
Unknown	126	0.5	83	0.4	16	0.5	6	0.4	16	0.7	7	3.5	254	0.5
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Table 4.05 Trimester of First Prenatal Care & Race/Ethnicity of Mother

Trimester of First Prenatal Care	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	22,434	91.6	18,013	80.4	2,678	83.3	1,195	75.4	2,110	90.4	141	69.8	46,571	85.9
Second	1,578	6.4	3,224	14.4	383	11.9	274	17.3	154	6.6	25	12.4	5,638	10.4
Third	316	1.3	681	3.0	100	3.1	78	4.9	44	1.9	12	5.9	1,231	2.3
None	112	0.5	449	2.0	51	1.6	30	1.9	23	1.0	21	10.4	686	1.3
Unknown	45	0.2	46	0.2	3	0.1	8	0.5	4	0.2	3	1.5	109	0.2
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Table 4.06 Number and Percent of Prenatal Care Visits & Race/Ethnicity of Mother

Number of Prenatal Care Visits	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	113	0.5	449	2.0	51	1.6	30	1.9	23	1.0	21	10.4	687	1.3
1 to 4	301	1.2	773	3.4	130	4.0	117	7.4	34	1.5	14	6.9	1,369	2.5
5 to 8	1,840	7.5	3,720	16.6	485	15.1	339	21.4	212	9.1	29	14.4	6,625	12.2
9 to 12	12,483	51.0	10,794	48.2	1,517	47.2	794	50.1	1,235	52.9	103	51.0	26,926	49.6
13 to 16	7,850	32.1	5,802	25.9	806	25.1	245	15.5	672	28.8	25	12.4	15,400	28.4
17 or More	1,848	7.5	825	3.7	221	6.9	54	3.4	155	6.6	7	3.5	3,110	5.7
Unknown	50	0.2	50	0.2	5	0.2	6	0.4	4	0.2	3	1.5	118	0.2
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Maricopa County 2010 Natality (Birth) Statistics

**Table 4.07 Adequacy of Prenatal Care & Race /Ethnicity of Mother
Singleton Births Only (Excludes Twins and Other Multiple Births)**

Adequacy of Prenatal Care	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	1,279	5.4	3,113	14.2	407	13.1	296	19.0	155	6.8	58	29.6	5,308	10.1
Intermediate	2,663	11.3	3,474	15.9	447	14.4	305	19.6	237	10.5	30	15.3	7,156	13.6
Adequate	11,466	48.7	9,090	41.5	1,293	41.7	640	41.1	1,108	48.9	78	39.8	23,675	45.0
Adequate Plus	8,109	34.4	6,180	28.2	947	30.5	305	19.6	763	33.7	28	14.3	16,332	31.1
Information Missing	51	0.2	49	0.2	7	0.2	10	0.6	4	0.2	2	1.0	123	0.2
Total	23,568		21,906		3,101		1,556		2,267		196		52,594	

Table 4.08 Birthweight of Infant & Race/Ethnicity of Mother

Birthweight of Infant	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	220	0.9	225	1.0	82	2.6	13	0.8	33	1.4	2	1.0	575	1.1
1500-2499 Grams	1,404	5.7	1,314	5.9	294	9.1	86	5.4	158	6.8	22	10.9	3,278	6.0
2500-4249 Grams	22,058	90.1	20,255	90.4	2,786	86.7	1,412	89.1	2,092	89.6	169	83.7	48,772	89.9
>4249 Grams	803	3.3	618	2.8	53	1.6	74	4.7	52	2.2	6	3.0	1,606	3.0
Unknown	0	0	1	0.0	0	0	0	0	0	0	3	1.5	4	0.0
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Table 4.09 Preterm Births (Less than 37 Weeks Gestation) & Race/ Ethnicity of Mother

Gestational Estimate	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Less than 34 Weeks	530	2.2	556	2.5	123	3.8	39	2.5	69	3.0	4	2.0	1,321	2.4
Late Preterm (34-36 Weeks)	1,743	7.1	1,682	7.5	291	9.1	126	7.9	181	7.8	21	10.4	4,044	7.5
37 Weeks or More	22,212	90.7	20,175	90.0	2,801	87.1	1,420	89.6	2,085	89.3	176	87.1	48,869	90.1
Unknown	0	0	0	0	0	0	0	0	0	0	1	0.5	1	0.0
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Maricopa County 2010 Natality (Birth) Statistics

Table 4.10 Number and Percent of Births by Medical Risk Factor & Race/Ethnicity of Mother

Medical Risk Factor	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
No Medical Risk Present	16,132	65.9	15,350	68.5	1,901	59.1	742	46.8	1,565	67.0	121	59.9	35,811	66.0
Medical Risk Present	8,353	34.1	7,063	31.5	1,314	40.9	843	53.2	770	33.0	81	40.1	18,424	34.0
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Table 4.11 Number and Percent of Births by Type of Delivery & Race/Ethnicity of Mother

Type of Delivery	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Vaginal	17,138	70.0	16,676	74.4	2,230	69.4	1,139	71.9	1,537	65.8	157	77.7	38,877	71.7
Primary C-Section	4,268	17.4	2,884	12.9	553	17.2	240	15.1	488	20.9	30	14.9	8,463	15.6
Repeat C-Section	3,079	12.6	2,853	12.7	432	13.4	206	13.0	310	13.3	15	7.4	6,895	12.7
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Table 4.12 Number and Percent of Births by Birth Attendee & Race/ Ethnicity of Mother

Birth Attendee	Race/Ethnicity												Total	
	White		Hispanic		African American		American Indian		Asian		Other/Unknown			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Medical Doctor	20,387	83.3	19,793	88.3	2,746	85.4	1,077	67.9	1,989	85.2	166	82.2	46,158	85.1
Doctor of Osteopathy	3,184	13.0	1,856	8.3	364	11.3	107	6.8	290	12.4	26	12.9	5,827	10.7
Certified Nurse Midwife	521	2.1	676	3.0	92	2.9	395	24.9	48	2.1	6	3.0	1,738	3.2
Midwife	324	1.3	42	0.2	7	0.2	5	0.3	5	0.2	1	0.5	384	0.7
Other	69	0.3	46	0.2	6	0.2	1	0.1	3	0.1	3	1.5	128	0.2
Total	24,485		22,413		3,215		1,585		2,335		202		54,235	

Maricopa County 2010 Natality (Birth) Statistics

Table 4.13 Number and Percent of Births by Marital Status & Age Group of Mother

Marital Status of Mother	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Married	0	0	574	10.9	4,612	35.4	9,711	62.8	9,483	74.4	4,715	75.7	915	69.5	99	84.6	30,109	55.5
Single	68	98.6	4,681	88.8	8,283	63.6	5,572	36.0	3,110	24.4	1,444	23.2	381	28.9	18	15.4	23,557	43.4
Refused	1	1.4	14	0.3	87	0.7	126	0.8	104	0.8	48	0.8	12	0.9	0	0	392	0.7
Divorced	0	0	1	0.0	10	0.1	8	0.1	9	0.1	4	0.1	0	0	0	0	32	0.1
Unknown	0	0	3	0.1	30	0.2	48	0.3	36	0.3	19	0.3	9	0.7	0	0	145	0.3
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Table 4.14 Number and Percent of Births by Educational Level & Age Group of Mother

Educational Level of Mother	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
< 6th Grade	1	1.4	21	0.4	131	1.0	182	1.2	209	1.6	143	2.3	43	3.3	2	1.7	732	1.3
6-11th Grade	68	98.6	2,751	52.2	3,056	23.5	2,486	16.1	1,819	14.3	945	15.2	211	16.0	5	4.3	11,341	20.9
HS Diploma	0	0	2,040	38.7	5,470	42.0	4,142	26.8	2,493	19.6	1,133	18.2	249	18.9	16	13.7	15,543	28.7
College+	0	0	438	8.3	4,302	33.0	8,583	55.5	8,136	63.9	3,953	63.5	790	60.0	78	66.7	26,280	48.5
Unknown	0	0	23	0.4	63	0.5	72	0.5	85	0.7	56	0.9	24	1.8	16	13.7	339	0.6
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Table 4.15 Number and Percent of Births by Method of Payment & Age Group of Mother

Method of Payment	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
AHCCCS	62	89.9	4,591	87.1	9,486	72.8	7,282	47.1	4,717	37.0	2,247	36.1	494	37.5	27	23.1	28,906	53.3
Indian Health	1	1.4	26	0.5	72	0.6	46	0.3	29	0.2	7	0.1	1	0.1	0	0	182	0.3
Private Insurance	3	4.3	520	9.9	3,122	24.0	7,632	49.4	7,540	59.2	3,736	60.0	769	58.4	86	73.5	23,408	43.2
Self	3	4.3	116	2.2	267	2.1	435	2.8	411	3.2	206	3.3	43	3.3	4	3.4	1,485	2.7
Unknown	0	0	20	0.4	75	0.6	70	0.5	45	0.4	34	0.5	10	0.8	0	0	254	0.5
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Maricopa County 2010 Natality (Birth) Statistics

Table 4.16 Trimester of First Prenatal Care & Age Group of Mother

Trimester of First Prenatal Care	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
First	33	47.8	4,004	75.9	10,747	82.5	13,621	88.1	11,396	89.4	5,540	88.9	1,132	86.0	98	83.8	46,571	85.9
Second	26	37.7	943	17.9	1,679	12.9	1,353	8.7	1,005	7.9	498	8.0	124	9.4	10	8.5	5,638	10.4
Third	7	10.1	203	3.8	365	2.8	306	2.0	203	1.6	106	1.7	40	3.0	1	0.9	1,231	2.3
None	3	4.3	101	1.9	203	1.6	160	1.0	117	0.9	77	1.2	17	1.3	8	6.8	686	1.3
Unknown	0	0	22	0.4	28	0.2	25	0.2	21	0.2	9	0.1	4	0.3	0	0	109	0.2
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Table 4.17 Number and Percent of Prenatal Care Visits & Age Group of Mother

Number of Prenatal Care Visits	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
None	3	4.3	101	1.9	203	1.6	160	1.0	118	0.9	77	1.2	17	1.3	8	6.8	687	1.3
1 to 4	5	7.2	224	4.2	446	3.4	319	2.1	217	1.7	127	2.0	28	2.1	3	2.6	1,369	2.5
5 to 8	15	21.7	1,005	19.1	1,965	15.1	1,652	10.7	1,231	9.7	602	9.7	148	11.2	7	6.0	6,625	12.2
9 to 12	31	44.9	2,573	48.8	6,529	50.1	7,799	50.4	6,378	50.1	2,952	47.4	619	47.0	45	38.5	26,926	49.6
13 to 16	14	20.3	1,196	22.7	3,282	25.2	4,592	29.7	3,944	31.0	1,973	31.7	368	27.9	31	26.5	15,400	28.4
17 or More	1	1.4	152	2.9	568	4.4	915	5.9	830	6.5	489	7.8	132	10.0	23	19.7	3,110	5.7
Unknown	0	0	22	0.4	29	0.2	28	0.2	24	0.2	10	0.2	5	0.4	0	0	118	0.2
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Maricopa County 2010 Natality (Birth) Statistics

**Table 4.18 Adequacy of Prenatal Care & Age Group of Mother
Singleton Births Only(Excludes Twins and Other Multiple Births)**

Adequacy of Prenatal Care	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Inadequate	27	39.1	888	17.1	1,598	12.5	1,289	8.6	895	7.3	470	7.9	128	10.3	13	16.3	5,308	10.1
Intermediate	5	7.2	835	16.1	1,932	15.1	2,048	13.7	1,526	12.4	655	11.0	149	12.0	6	7.5	7,156	13.6
Adequate	17	24.6	2,131	41.0	5,614	44.0	6,970	46.5	5,742	46.8	2,651	44.5	515	41.3	35	43.8	23,675	45.0
Adequate Plus	20	29.0	1,324	25.5	3,594	28.1	4,670	31.1	4,073	33.2	2,175	36.5	450	36.1	26	32.5	16,332	31.1
Information Missing	0	0	20	0.4	35	0.3	25	0.2	28	0.2	11	0.2	4	0.3	0	0	123	0.2
Total	69		5,198		12,773		15,002		12,264		5,962		1,246		80		52,594	

Table 4.19 Birthweight of Infant & Age Group of Mother

Birthweight of Infant	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1500 Grams	1	1.4	62	1.2	152	1.2	123	0.8	121	0.9	87	1.4	24	1.8	5	4.3	575	1.1
1500-2499 Grams	7	10.1	357	6.8	748	5.7	839	5.4	768	6.0	433	7.0	104	7.9	22	18.8	3,278	6.0
2500-4249 Grams	61	88.4	4,781	90.7	11,823	90.8	14,050	90.9	11,356	89.1	5,478	87.9	1,133	86.0	90	76.9	48,772	89.9
>4249 Grams	0	0	72	1.4	299	2.3	452	2.9	496	3.9	232	3.7	55	4.2	0	0	1,606	3.0
Unknown	0	0	1	0.0	0	0	1	0.0	1	0.0	0	0	1	0.1	0	0	4	0.0
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Table 4.20 Preterm Births (Less Than 37 Weeks Gestation) & Age Group of Mother

Gestational Estimate	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Less than 34	2	2.9	134	2.5	308	2.4	300	1.9	319	2.5	193	3.1	52	3.9	13	11.1	1,321	2.4
Late Preterm (34-	7	10.1	379	7.2	891	6.8	1,128	7.3	952	7.5	536	8.6	128	9.7	23	19.7	4,044	7.5
37 Weeks or More	60	87.0	4,760	90.3	11,823	90.8	14,037	90.8	11,471	90.0	5,501	88.3	1,136	86.3	81	69.2	48,869	90.1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1	0	0	1	0.0
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Maricopa County 2010 Natality (Birth) Statistics

Table 4.21 Number and Percent of Births by Medical Risk Factor & Age Group of Mother

Medical Risk Factor	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
No Medical Risk	29	42.0	3,249	61.6	8,828	67.8	10,610	68.6	8,669	68.0	3,688	59.2	695	52.8	43	36.8	35,811	66.0
Medical Risk	40	58.0	2,024	38.4	4,194	32.2	4,855	31.4	4,073	32.0	2,542	40.8	622	47.2	74	63.2	18,424	34.0
Total	69	100.0	5,273	100.0	13,022	100.0	15,465	100.0	12,742	100.0	6,230	100.0	1,317	100.0	117	100.0	54,235	100.0

Table 4.22 Number and Percent of Births by Birth Attendee & Age Group of Mother

Birth Attendee	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Medical Doctor	61	88.4	4,520	85.7	10,996	84.4	13,008	84.1	10,894	85.5	5,418	87.0	1,158	87.9	103	88.0	46,158	85.1
Doctor of Osteopathy	4	5.8	504	9.6	1,451	11.1	1,761	11.4	1,362	10.7	621	10.0	113	8.6	11	9.4	5,827	10.7
Certified Nurse Midwife	4	5.8	239	4.5	497	3.8	520	3.4	324	2.5	124	2.0	27	2.1	3	2.6	1,738	3.2
Midwife	0	0	5	0.1	53	0.4	140	0.9	120	0.9	53	0.9	13	1.0	0	0	384	0.7
Other	0	0	5	0.1	25	0.2	36	0.2	42	0.3	14	0.2	6	0.5	0	0	128	0.2
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Table 4.23 Number and Percent of Births by Type of Delivery & Age Group of Mother

Type of Delivery	Age Group of Mother																Total	
	<15		15-19		20-24		25-29		30-34		35-39		40-44		45+			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Vaginal	59	85.5	4,343	82.4	9,893	76.0	11,235	72.6	8,663	68.0	3,872	62.2	757	57.5	55	47.0	38,877	71.7
Primary C-Section	10	14.5	801	15.2	1,924	14.8	2,244	14.5	2,018	15.8	1,124	18.0	297	22.6	45	38.5	8,463	15.6
Repeat C-Section	0	0	129	2.4	1,205	9.3	1,986	12.8	2,061	16.2	1,234	19.8	263	20.0	17	14.5	6,895	12.7
Total	69		5,273		13,022		15,465		12,742		6,230		1,317		117		54,235	

Maricopa County 2010 Natality (Birth) Statistics

Table 4.24 Comparisons to Arizona, U.S. and Healthy People 2010 Goals for Selected Natality Measures

		Maricopa County 2010		Arizona 2010	U.S. 2010 ¹	Healthy People 2010 Goal
		Number of Individuals	Rate or Percent			
Unlinked Infant Mortality – Rate per 1,000 live births	Neo-natal	200	3.7	3.8	4.0	2.9
	Post-natal	111	2.0	2.2	2.1	1.2
	Total	311	5.7	6.0	6.1	4.5
Low birthweight births (< 2500g) – Percent of live births		3,853	7.1%	7.1%	8.2%	5.0%
Births to teen mothers – Percent of live births	10-14 Years Old	69	0.13%	0.12%	0.11%	-
	15-17 Years Old	1,652	3.0%	3.3%	2.7%	-
	15-19 Years Old	5,273	9.7%	10.7%	9.2%	-
	Total 10-19 Years Old	5,342	9.8%	10.8%	9.3%	-
Maternal Mortality ² – Rate per 100,000 live births		9	16.6	-	Not Available	3.3
Pregnancy-related Mortality – Rate per 100,000 live births		22	40.6	-	-	-

1. All figures are Preliminary 2010 U.S. data.
2. See Technical Notes for an explanation on the increase in maternal deaths .
3. See Technical Notes for an explanation on why the Maternal Mortality rate is unavailable at the national level.

V. Maricopa County 2010 Hospital Discharge Statistics

Maricopa County 2010 Hospital Discharge Statistics

Table 5.01 Number of Hospital Discharges by Age Group and Race/Ethnicity

Age Group	Race/Ethnicity						Total
	White	Hispanic	African American	American Indian	Asian	Other/Unknown	
0-4	6,893	7,945	1,196	591	408	578	17,611
5-9	2,273	2,414	387	161	102	184	5,521
10-14	2,315	1,932	387	112	82	138	4,966
15-19	4,014	2,495	604	189	112	143	7,557
20-24	5,150	2,714	840	308	137	116	9,265
25-34	13,293	6,321	2,183	743	397	285	23,222
35-44	20,490	7,702	3,138	1,046	555	391	33,322
45-54	34,410	9,157	4,182	1,137	747	463	50,096
55-64	41,488	8,306	3,539	853	825	555	55,566
65-74	45,524	6,396	2,272	481	864	585	56,122
75-84	45,145	4,405	1,494	226	685	398	52,353
85+	26,599	1,500	557	79	242	160	29,137
Unknown	1	1	0	0	0	0	2
Total	247,595	61,288	20,779	5,926	5,156	3,996	344,740

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

Table 5.02 Number of Hospital Discharges by Age Group and Sex

Age Group	Gender			Total
	Male	Female	Unknown	
0-4	9,860	7,751	0	17,611
5-9	3,138	2,383	0	5,521
10-14	2,710	2,256	0	4,966
15-19	3,802	3,755	0	7,557
20-24	4,643	4,622	0	9,265
25-34	10,780	12,441	1	23,222
35-44	15,268	18,054	0	33,322
45-54	24,701	25,394	1	50,096
55-64	27,406	28,160	0	55,566
65-74	27,059	29,061	2	56,122
75-84	23,556	28,797	0	52,353
85+	10,729	18,408	0	29,137
Unknown	2	0	0	2
Total	163,654	181,082	4	344,740

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

Maricopa County 2010 Hospital Discharge Statistics

Table 5.03 Number and Percent of Hospital Discharges by Sex and Payer Type

Age Group	Sex						Payer	
	Male		Female		Unknown		No.	%
	No.	%	No.	%	No.	%		
Other	7,289	4.5	6,096	3.4	0	0	13,385	3.9
Self Pay	6,655	4.1	4,689	2.6	1	25	11,345	3.3
Private Insurance	42,983	26.3	47,183	26.1	2	50	90,168	26.2
Medicare	69,486	42.5	85,828	47.4	0	0	155,314	45.1
AHCCCS Medicaid	37,241	22.8	37,286	20.6	1	25	74,528	21.6
Total Discharges	163,654	100	181,082	100	4	100	344,740	100

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

Maricopa County 2010 Hospital Discharge Statistics

**Table 5.04a Selected Primary Diagnosis Groups by Race/Ethnicity
Number of Discharges**

Primary Diagnosis		Race/Ethnicity						Total
		White	Hispanic	Black	American Indian	Asian	Other/Unknown	
Infectious and parasitic diseases	Septicemia	6,899	1,658	421	250	160	94	9,482
	Other Infectious and parasitic diseases	5,141	1,874	503	164	192	88	7,962
	All	12,040	3,532	924	414	352	182	17,444
Neoplasms	Neoplasms - Other Malignant	6,589	1,178	373	70	169	122	8,501
	Malignant Neoplasm of large intestine & rectum	1,074	156	69	5	25	12	1,341
	Malignant neoplasm of trachea, bronchus & lung	1,307	92	56	4	28	12	1,499
	Malignant neoplasm of breast	622	92	31	1	20	4	770
	Neoplasms - Benign	2,271	725	409	26	106	58	3,595
	Neoplasms - Other	490	73	18	5	17	9	612
	All	12,353	2,316	956	111	365	217	16,318
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	3,605	1,811	584	258	66	54	6,378
	Volume depletion (dehydration)	170	26	33	2	2	2	235
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	5,991	1,533	604	174	160	96	8,558
	All	9,766	3,370	1,221	434	228	152	15,171
Diseases of the blood and blood-forming organs		2,724	816	867	65	78	68	4,618
Mental disorders	Psychoses	5,621	983	549	136	123	94	7,506
	Alcohol dependence syndrome	315	57	13	38	0	1	424
	Other Mental disorders	1,314	347	133	49	32	31	1,906
	All	7,250	1,387	695	223	155	126	9,836
Diseases of the nervous system and sense organs		7,052	1,756	666	161	138	143	9,916
Diseases of the circulatory system	Heart disease	9,064	1,319	860	108	134	105	11,590
	Acute myocardial infarction	4,287	668	198	61	87	59	5,360
	Coronary atherosclerosis	6,017	965	309	53	144	105	7,593
	Other ischemic heart disease	246	50	31	3	3	2	335
	Cardiac dysrhythmias	8,067	808	336	57	117	81	9,466
	Congestive heart failure	1,730	288	174	30	36	22	2,280
	Cerebrovascular disease	8,064	1,219	520	80	176	120	10,179
	Other Diseases of the circulatory system	8,340	1,689	933	139	155	117	11,373
	All	45,815	7,006	3,361	531	852	611	58,176

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.04a continued

Primary Diagnosis		Race/Ethnicity						Total
		White	Hispanic	Black	American Indian	Asian	Other/Unknown	
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	1,277	1,413	224	118	52	64	3,148
	Pneumonia	6,999	1,950	591	222	192	123	10,077
	Chronic bronchitis	4,563	350	236	30	29	22	5,230
	Asthma	2,778	1,496	811	95	71	76	5,327
	Other Diseases of the respiratory system	7,603	1,902	721	209	181	122	10,738
	All	23,220	7,111	2,583	674	525	407	34,520
Diseases of the digestive system	Appendicitis	2,758	1,895	172	68	94	74	5,061
	Noninfectious enteritis and colitis	3,000	682	206	42	54	47	4,031
	Cholelithiasis	480	253	28	117	11	7	896
	Other Diseases of the digestive system	25,043	7,501	1,916	714	494	349	36,017
	All	31,281	10,331	2,322	941	653	477	46,005
Diseases of the genitourinary system	Calculus of kidney and ureter	2,027	474	72	17	45	28	2,663
	Other Diseases of the genitourinary system	14,000	4,278	1,181	321	318	206	20,304
	All	16,027	4,752	1,253	338	363	234	22,967
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	6,385	1,930	423	284	106	70	9,198
	Other Diseases of the skin and subcutaneous tissue	863	274	101	35	20	18	1,311
	All	7,248	2,204	524	319	126	88	10,509
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	9,422	795	330	45	61	143	10,796
	Intervertebral disc disorders	2,625	326	131	24	37	33	3,176
	Other - Diseases of the musculoskeletal system and connective tissue	7,797	1,455	578	157	156	123	10,266
	All	19,844	2,576	1,039	226	254	299	24,238
Congenital anomalies		835	528	75	50	27	63	1,578
Certain conditions originating in the perinatal period		948	853	132	67	59	71	2,130
Symptoms, signs, and ill-defined conditions		16,143	4,446	1,760	351	354	241	23,295
Injury and poisoning	Fractures, all sites	7,194	1,913	409	224	132	148	10,020
	Fracture of neck of femur	2,987	222	49	22	30	16	3,326
	Poisonings	3,377	717	270	101	61	75	4,601
	Other Injury and poisoning	16,116	4,313	1,357	578	305	283	22,952
	All	29,674	7,165	2,085	925	528	522	40,899
Other healthcare encounters	Rehab Services	3,397	402	199	48	49	47	4,142
	Other healthcare encounters	1,978	737	117	48	50	48	2,978
	All	5,375	1,139	316	96	99	95	7,120
Total		247,595	61,288	20,779	5,926	5,156	3,996	344,740

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

Maricopa County 2010 Hospital Discharge Statistics

**Table 5.04b Selected Primary Diagnosis Groups by Race/Ethnicity
Crude Hospitalization Rates per 100,000 Residents**

Primary Diagnosis		Race/Ethnicity						Total
		White	Hispanic	Black	American Indian.	Asian	Other/Unknown	
Infectious and parasitic diseases	Septicemia	308.0	146.9	237.2	421.9	118.5	-	248.4
	Other Infectious and parasitic diseases	229.5	166.0	283.4	276.8	142.2	-	208.6
	All	537.5	312.9	520.6	698.7	260.7	-	457.0
Neoplasms	Malignant Neoplasm of large intestine & rectum	47.9	13.8	38.9	8.4	18.5	-	35.1
	Malignant neoplasm of trachea, bronchus & lung	58.3	8.2	31.6	6.8	20.7	-	39.3
	Malignant neoplasm of breast	27.8	8.2	17.5	1.7	14.8	-	20.2
	Neoplasms - Other Malignant	294.1	104.4	210.2	118.1	125.2	-	222.7
	Neoplasms - Benign	101.4	64.2	230.4	43.9	78.5	-	94.2
	Neoplasms - Other	21.9	6.5	10.1	8.4	12.6	-	16.0
	All	551.5	205.2	538.6	187.3	270.3	-	427.5
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	160.9	160.4	329.0	435.4	48.9	-	167.1
	Volume depletion (dehydration)	7.6	2.3	18.6	3.4	1.5	-	6.2
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	267.4	135.8	340.3	293.7	118.5	-	224.2
	All	436.0	298.6	687.9	732.5	168.9	-	397.4
Diseases of the blood and blood-forming organs		121.6	72.3	488.5	109.7	57.8	-	121.0
Mental disorders	Psychoses	250.9	87.1	309.3	229.5	91.1	-	196.6
	Alcohol dependence syndrome	14.1	5.0	7.3	64.1	0	-	11.1
	Other Mental disorders	58.7	30.7	74.9	82.7	23.7	-	49.9
	All	323.7	122.9	391.6	376.4	114.8	-	257.7
Diseases of the nervous system and sense organs		314.8	155.6	375.2	271.7	102.2	-	259.8
Diseases of the circulatory system	Heart disease	404.6	116.9	484.5	182.3	99.2	-	303.6
	Acute myocardial infarction	191.4	59.2	111.6	103.0	64.4	-	140.4
	Coronary atherosclerosis	268.6	85.5	174.1	89.4	106.6	-	198.9
	Other ischemic heart disease	11.0	4.4	17.5	5.1	2.2	-	8.8
	Cardiac dysrhythmias	360.1	71.6	189.3	96.2	86.7	-	248.0
	Congestive heart failure	77.2	25.5	98.0	50.6	26.7	-	59.7
	Cerebrovascular disease	360.0	108.0	293.0	135.0	130.3	-	266.7
	Other Diseases of the circulatory system	372.3	149.6	525.7	234.6	114.8	-	297.9
	All	2,045.3	620.7	1,893.6	896.2	631.0	-	1,524.1

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.04b continued

Primary Diagnosis		Race/Ethnicity						Total
		White	Hispanic	Black	American Indian.	Asian	Other/Unknown	
Diseases of the respiratory system	Other Diseases of the respiratory system	339.4	168.5	406.2	352.7	134.1	-	281.3
	Acute bronchitis and bronchiolitis	57.0	125.2	126.2	199.1	38.5	-	82.5
	Pneumonia	312.4	172.8	333.0	374.7	142.2	-	264.0
	Chronic bronchitis	203.7	31.0	133.0	50.6	21.5	-	137.0
	Asthma	124.0	132.5	456.9	160.3	52.6	-	139.6
	All	1,036.6	630.0	1,455.3	1,137.5	388.8	-	904.3
Diseases of the digestive system	Other Diseases of the digestive system	1,118.0	664.5	1,079.5	1,205.0	365.9	-	943.6
	Appendicitis	123.1	167.9	96.9	114.8	69.6	-	132.6
	Noninfectious enteritis and colitis	133.9	60.4	116.1	70.9	40.0	-	105.6
	Cholelithiasis	21.4	22.4	15.8	197.5	8.1	-	23.5
	All	1,396.4	915.3	1,308.2	1,588.1	483.6	-	1,205.2
Diseases of the genitourinary system	Other Diseases of the genitourinary system	625.0	379.0	665.4	541.8	235.5	-	531.9
	Calculus of kidney and ureter	90.5	42.0	40.6	28.7	33.3	-	69.8
	All	715.5	421.0	706.0	570.4	268.8	-	601.7
Diseases of the skin and subcutaneous tissue	Other Diseases of the skin and subcutaneous tissue	38.5	24.3	56.9	59.1	14.8	-	34.3
	Cellulitis and abscess	285.0	171.0	238.3	479.3	78.5	-	241.0
	All	323.6	195.3	295.2	538.4	93.3	-	275.3
Diseases of the musculoskeletal system and connective tissue	Other - Diseases of the musculoskeletal system and connective tissue	348.1	128.9	325.7	265.0	115.5	-	268.9
	Osteoarthritis and allied disorders	420.6	70.4	185.9	75.9	45.2	-	282.8
	Intervertebral disc disorders	117.2	28.9	73.8	40.5	27.4	-	83.2
	All	885.9	228.2	585.4	381.4	188.1	-	635.0
Congenital anomalies		37.3	46.8	42.3	84.4	20.0	-	41.3
Certain conditions originating in the perinatal period		42.3	75.6	74.4	113.1	43.7	-	55.8
Symptoms, signs, and ill-defined conditions		720.7	393.9	991.6	592.4	262.2	-	610.3
Injury and poisoning	Injury and poisoning	719.4	382.1	764.6	975.5	225.9	-	601.3
	Fractures, all sites	321.2	169.5	230.4	378.0	97.8	-	262.5
	Fracture of neck of femur	133.3	19.7	27.6	37.1	22.2	-	87.1
	Poisonings	150.8	63.5	152.1	170.5	45.2	-	120.5
	All	1,324.7	634.8	1,174.7	1,561.1	391.0	-	1,071.5
Other healthcare encounters	Other healthcare encounters	88.3	65.3	65.9	81.0	37.0	-	78.0
	Rehab Services	151.6	35.6	112.1	81.0	36.3	-	108.5
	All	239.9	100.9	178.0	162.0	73.3	-	186.5
Total		11,053.1	5,429.8	11,707.1	10,001.4	3,818.6	-	9,031.4

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

Maricopa County 2010 Hospital Discharge Statistics

**Table 5.05a Selected Primary Diagnosis Groups by Age Group
Number of Discharges**

Primary Diagnosis		Age Group												Total	
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unknown
Infectious and parasitic diseases	Septicemia	52	21	13	108	211	463	664	1,215	1,614	1,932	1,964	1,225	0	9,482
	Other Infectious and parasitic diseases	856	255	212	254	321	712	846	1,166	992	891	913	544	0	7,962
	All	908	276	225	362	532	1,175	1,510	2,381	2,606	2,823	2,877	1,769	0	17,444
Neoplasms	Malignant Neoplasm of large intestine &	0	0	0	1	0	12	61	189	260	345	325	148	0	1,341
	Malignant neoplasm of trachea, bronchus &	2	0	2	6	3	8	42	156	318	476	389	97	0	1,499
	Malignant neoplasm of breast	0	0	0	0	1	27	106	178	174	166	81	37	0	770
	Neoplasms - Other Malignant	104	76	52	84	78	306	603	1,350	2,135	2,056	1,230	427	0	8,501
	Neoplasms - Benign	29	12	14	51	54	262	969	1,111	469	371	204	49	0	3,595
	Neoplasms - Other	9	5	2	21	19	42	49	83	102	130	103	47	0	612
All	144	93	70	163	155	657	1,830	3,067	3,458	3,544	2,332	805	0	16,318	
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	41	65	156	296	396	665	905	1,214	1,144	763	529	204	0	6,378
	Volume depletion (dehydration)	17	7	14	42	33	66	11	8	9	12	11	5	0	235
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	640	146	65	105	156	623	859	1,257	1,388	1,261	1,257	801	0	8,558
	All	698	218	235	443	585	1,354	1,775	2,479	2,541	2,036	1,797	1,010	0	15,171
Diseases of the blood and blood-forming organs		209	168	140	140	141	476	504	600	634	688	602	316	0	4,618
Mental disorders	Psychoses	14	87	105	179	581	1,320	1,372	1,526	1,080	560	424	258	0	7,506
	Alcohol dependence syndrome	0	0	0	2	8	48	117	141	63	33	12	0	0	424
	Other Mental disorders	12	32	77	102	174	312	335	364	234	126	91	47	0	1,906
	All	26	119	182	283	763	1,680	1,824	2,031	1,377	719	527	305	0	9,836
Diseases of the nervous system and sense organs		547	327	337	397	395	1,004	1,217	1,448	1,369	1,167	1,094	613	1	9,916
Diseases of the circulatory system	Heart disease	16	13	10	45	90	282	681	1,233	1,853	2,464	2,940	1,963	0	11,590
	Acute myocardial infarction	0	0	0	3	4	41	241	805	1,252	1,267	1,077	670	0	5,360
	Coronary atherosclerosis	0	0	0	0	1	17	219	1,061	2,065	2,282	1,590	358	0	7,593
	Other ischemic heart disease	0	0	0	2	1	6	38	70	90	49	51	28	0	335
	Cardiac dysrhythmias	31	14	11	55	50	236	394	857	1,513	2,299	2,540	1,466	0	9,466
	Congestive heart failure	15	1	3	6	3	39	92	214	328	482	590	507	0	2,280
	Cerebrovascular disease	17	11	6	14	19	116	402	1,147	1,828	2,291	2,743	1,585	0	10,179
	Other Diseases of the circulatory system	60	28	17	58	79	450	879	1,564	2,089	2,390	2,524	1,234	1	11,373
All	139	67	47	183	247	1,187	2,946	6,951	11,018	13,524	14,055	7,811	1	58,176	

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.05a continued

Primary Diagnosis		Age Group												Total	
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unknown
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	2,444	18	6	8	16	47	92	101	107	101	108	100	0	3,148
	Pneumonia	1,295	442	184	139	137	395	637	982	1,294	1,544	1,796	1,232	0	10,077
	Chronic bronchitis	2	0	0	1	1	18	105	682	1,080	1,558	1,298	485	0	5,230
	Asthma	1,038	779	370	139	142	312	497	670	564	386	311	119	0	5,327
	Other Diseases of the respiratory system	1,149	235	127	265	241	496	688	1,167	1,577	1,863	1,854	1,076	0	10,738
	All	5,928	1,474	687	552	537	1,268	2,019	3,602	4,622	5,452	5,367	3,012	0	34,520
Diseases of the digestive system	Appendicitis	122	456	654	671	495	836	618	516	371	186	105	31	0	5,061
	Noninfectious enteritis and colitis	186	81	84	144	180	430	477	566	583	565	506	229	0	4,031
	Cholelithiasis	2	2	1	2	2	20	86	257	255	182	76	11	0	896
	Other Diseases of the digestive system	746	362	347	748	1,220	3,418	4,814	6,341	5,812	5,092	4,589	2,528	0	36,017
		All	1,056	901	1,086	1,565	1,897	4,704	5,995	7,680	7,021	6,025	5,276	2,799	0
Diseases of the genitourinary system	Calculus of kidney and ureter	1	6	21	54	115	364	502	533	500	332	177	58	0	2,663
	Other Diseases of the genitourinary system	905	203	180	405	596	1,664	2,552	2,710	2,585	2,992	3,264	2,248	0	20,304
		All	906	209	201	459	711	2,028	3,054	3,243	3,085	3,324	3,441	2,306	0
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	834	244	169	244	339	994	1,282	1,748	1,268	843	753	480	0	9,198
	Other Diseases of the skin and	109	44	24	52	46	126	171	215	182	136	119	87	0	1,311
		All	943	288	193	296	385	1,120	1,453	1,963	1,450	979	872	567	0
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	0	2	4	0	5	44	225	1,258	2,881	3,753	2,290	334	0	10,796
	Intervertebral disc disorders	0	0	1	9	49	305	637	808	607	433	232	95	0	3,176
	Other - Diseases of the musculoskeletal system and connective tissue	90	133	190	269	233	650	996	1,732	1,865	1,825	1,515	768	0	10,266
		All	90	135	195	278	287	999	1,858	3,798	5,353	6,011	4,037	1,197	0
Congenital anomalies		808	119	75	88	41	75	90	93	82	60	37	10	0	1,578
Certain conditions originating in the perinatal period		2,130	0	0	0	0	0	0	0	0	0	0	0	0	2,130
Symptoms, signs, and ill-defined conditions		1,332	293	357	476	445	1,357	2,507	4,121	4,048	3,290	3,247	1,822	0	23,295
Injury and poisoning	Fractures, all sites	409	292	311	550	571	1,036	984	1,210	1,240	1,024	1,235	1,158	0	10,020
	Fracture of neck of femur	4	5	8	5	12	13	38	92	275	484	1,065	1,325	0	3,326
	Poisonings	136	18	78	326	397	819	818	984	577	245	151	52	0	4,601
	Other Injury and poisoning	797	387	430	792	1,011	1,974	2,390	3,549	3,790	3,517	2,949	1,366	0	22,952
		All	1,346	702	827	1,673	1,991	3,842	4,230	5,835	5,882	5,270	5,400	3,901	0
Other healthcare encounters	Rehab Services	22	13	13	56	57	100	181	325	578	798	1,172	827	0	4,142
	Other healthcare encounters	379	119	96	143	96	196	329	479	442	412	220	67	0	2,978
		All	401	132	109	199	153	296	510	804	1,020	1,210	1,392	894	0
Total		17,611	5,521	4,966	7,557	9,265	23,222	33,322	50,096	55,566	56,122	52,353	29,137	2	344,740

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

Maricopa County 2010 Hospital Discharge Statistics

**Table 5.05b Selected Primary Diagnosis Groups by Age Group
Crude Hospitalization Rates per 100,000 Residents**

Primary Diagnosis		Age Group													
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unknown	Total
Infectious and parasitic diseases	Septicemia	18.4	7.4	4.7	39.0	79.1	85.6	126.6	241.1	405.2	756.5	1,325.2	2,074.4	-	248.4
	Other Infectious and parasitic diseases	302.7	90.2	76.5	91.7	120.3	131.6	161.3	231.4	249.1	348.9	616.1	921.2	-	208.6
	All	321.1	97.6	81.2	130.7	199.3	217.1	287.8	472.5	654.3	1,105.4	1,941.3	2,995.6	-	457.0
Neoplasms	Malignant Neoplasm of large intestine & rectum	0	0	0	0.4	0	2.2	11.6	37.5	65.3	135.1	219.3	250.6	-	35.1
	Malignant neoplasm of trachea, bronchus & lung	0.7	0	0.7	2.2	1.1	1.5	8.0	31.0	79.8	186.4	262.5	164.3	-	39.3
	Malignant neoplasm of breast	0	0	0	0	0.4	5.0	20.2	35.3	43.7	65.0	54.7	62.7	-	20.2
	Neoplasms - Other Malignant	36.8	26.9	18.8	30.3	29.2	56.5	114.9	267.9	536.0	805.0	830.0	723.1	-	222.7
	Neoplasms - Benign	10.3	4.2	5.0	18.4	20.2	48.4	184.7	220.5	117.7	145.3	137.7	83.0	-	94.2
	Neoplasms - Other	3.2	1.8	0.7	7.6	7.1	7.8	9.3	16.5	25.6	50.9	69.5	79.6	-	16.0
	All	50.9	32.9	25.2	58.9	58.1	121.4	348.8	608.6	868.2	1,387.7	1,573.6	1,363.2	-	427.5
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	14.5	23.0	56.3	106.9	148.4	122.9	172.5	240.9	287.2	298.8	357.0	345.4	-	167.1
	Volume depletion (dehydration)	6.0	2.5	5.0	15.2	12.4	12.2	2.1	1.6	2.3	4.7	7.4	8.5	-	6.2
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	226.3	51.6	23.4	37.9	58.5	115.1	163.7	249.4	348.5	493.8	848.2	1,356.4	-	224.2
	All	246.8	77.1	84.8	160.0	219.2	250.2	338.4	491.9	637.9	797.2	1,212.6	1,710.3	-	397.4
Diseases of the blood and blood-forming organs		73.9	59.4	50.5	50.6	52.8	88.0	96.1	119.1	159.2	269.4	406.2	535.1	-	121.0
Mental disorders	Other Mental disorders	4.2	11.3	27.8	36.8	65.2	57.7	63.9	72.2	58.7	49.3	61.4	79.6	-	49.9
	Psychoses	5.0	30.8	37.9	64.6	217.7	243.9	261.5	302.8	271.1	219.3	286.1	436.9	-	196.6
	Alcohol dependence syndrome	0	0	0	0.7	3.0	8.9	22.3	28.0	15.8	12.9	8.1	0	-	11.1
	All	9.2	42.1	65.6	102.2	285.9	310.5	347.7	403.0	345.7	281.5	355.6	516.5	-	257.7

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.05b continued

Primary Diagnosis	Age Group													Total	
	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unknown		
Diseases of the nervous system and sense organs	193.4	115.7	121.6	143.4	148.0	185.5	232.0	287.3	343.7	457.0	738.2	1,038.0	-	259.8	
Diseases of the circulatory system	Heart disease	5.7	4.6	3.6	16.3	33.7	52.1	129.8	244.7	465.2	964.8	1,983.8	3,324.1	-	303.6
	Acute myocardial infarction	0	0	0	1.1	1.5	7.6	45.9	159.7	314.3	496.1	726.7	1,134.6	-	140.4
	Coronary atherosclerosis	0	0	0	0	0.4	3.1	41.7	210.5	518.4	893.5	1,072.9	606.2	-	198.9
	Other ischemic heart disease	0	0	0	0.7	0.4	1.1	7.2	13.9	22.6	19.2	34.4	47.4	-	8.8
	Cardiac dysrhythmias	11.0	5.0	4.0	19.9	18.7	43.6	75.1	170.1	379.9	900.2	1,713.9	2,482.5	-	248.0
	Congestive heart failure	5.3	0.4	1.1	2.2	1.1	7.2	17.5	42.5	82.3	188.7	398.1	858.5	-	59.7
	Cerebrovascular disease	6.0	3.9	2.2	5.1	7.1	21.4	76.6	227.6	458.9	897.1	1,850.9	2,684.0	-	266.7
	Other Diseases of the circulatory system	21.2	9.9	6.1	20.9	29.6	83.2	167.6	310.3	524.5	935.8	1,703.1	2,089.6	-	297.9
	All	49.2	23.7	17.0	66.1	92.6	219.4	561.6	1,379.3	2,766.2	5,295.5	9,483.9	13,226.9	-	1,524.1
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	864.3	6.4	2.2	2.9	6.0	8.7	17.5	20.0	26.9	39.5	72.9	169.3	-	82.5
	Pneumonia	458.0	156.3	66.4	50.2	51.3	73.0	121.4	194.9	324.9	604.6	1,211.9	2,086.2	-	264.0
	Chronic bronchitis	0.7	0	0	0.4	0.4	3.3	20.0	135.3	271.1	610.1	875.8	821.3	-	137.0
	Asthma	367.1	275.5	133.5	50.2	53.2	57.7	94.7	132.9	141.6	151.1	209.9	201.5	-	139.6
	Other Diseases of the respiratory system	406.3	83.1	45.8	95.7	90.3	91.7	131.1	231.6	395.9	729.5	1,251.0	1,822.1	-	281.3
	All	2,096.4	521.4	247.8	199.4	201.2	234.3	384.9	714.7	1,160.4	2,134.8	3,621.5	5,100.4	-	904.3
Diseases of the digestive system	Appendicitis	43.1	161.3	235.9	242.3	185.5	154.5	117.8	102.4	93.1	72.8	70.9	52.5	-	132.6
	Noninfectious enteritis and colitis	65.8	28.7	30.3	52.0	67.4	79.5	90.9	112.3	146.4	221.2	341.4	387.8	-	105.6
	Cholelithiasis	0.7	0.7	0.4	0.7	0.7	3.7	16.4	51.0	64.0	71.3	51.3	18.6	-	23.5
	Other Diseases of the digestive system	263.8	128.0	125.2	270.1	457.1	631.6	917.7	1,258.2	1,459.2	1,993.8	3,096.5	4,280.8	-	943.6
	All	373.4	318.7	391.7	565.2	710.8	869.3	1,142.8	1,523.9	1,762.7	2,359.2	3,560.1	4,739.7	-	1,205.2
Diseases of the genitourinary system	Calculus of kidney and ureter	0.4	2.1	7.6	19.5	43.1	67.3	95.7	105.8	125.5	130.0	119.4	98.2	-	69.8
	Other Diseases of the genitourinary system	320.0	71.8	64.9	146.3	223.3	307.5	486.5	537.7	649.0	1,171.6	2,202.4	3,806.7	-	531.9
	All	320.4	73.9	72.5	165.8	266.4	374.8	582.2	643.5	774.5	1,301.5	2,321.9	3,904.9	-	601.7
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	294.9	86.3	61.0	88.1	127.0	183.7	244.4	346.8	318.3	330.1	508.1	812.8	-	241.0
	Other Diseases of the skin and	38.5	15.6	8.7	18.8	17.2	23.3	32.6	42.7	45.7	53.3	80.3	147.3	-	34.3
	All	333.5	101.9	69.6	106.9	144.3	207.0	277.0	389.5	364.0	383.3	588.4	960.1	-	275.3

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.05b continued

Primary Diagnosis		Age Group												Total	
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		Unknown
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	0	0.7	1.4	0	1.9	8.1	42.9	249.6	723.3	1,469.5	1,545.2	565.6	-	282.8
	Intervertebral disc disorders	0	0	0.4	3.3	18.4	56.4	121.4	160.3	152.4	169.5	156.5	160.9	-	83.2
	Other - Diseases of the musculoskeletal system and connective tissue	31.8	47.0	68.5	97.1	87.3	120.1	189.9	343.7	468.2	714.6	1,022.3	1,300.5	-	268.9
	All	31.8	47.8	70.3	100.4	107.5	184.6	354.2	753.6	1,343.9	2,353.7	2,724.0	2,027.0	-	635.0
Congenital anomalies		285.7	42.1	27.1	31.8	15.4	13.9	17.2	18.5	20.6	23.5	25.0	16.9	-	41.3
Certain conditions originating in the perinatal period		753.3	0	0	0	0	0	0	0	0	0	0	0	-	55.8
Symptoms, signs, and ill-defined conditions		471.1	103.6	128.8	171.9	166.7	250.8	477.9	817.7	1,016.3	1,288.2	2,191.0	3,085.3	-	610.3
Injury and poisoning	Fractures, all sites	144.6	103.3	112.2	198.6	214.0	191.5	187.6	240.1	311.3	401.0	833.3	1,960.9	-	262.5
	Fracture of neck of femur	1.4	1.8	2.9	1.8	4.5	2.4	7.2	18.3	69.0	189.5	718.6	2,243.7	-	87.1
	Poisonings	48.1	6.4	28.1	117.7	148.8	151.4	155.9	195.3	144.9	95.9	101.9	88.1	-	120.5
	Other Injury and poisoning	281.9	136.9	155.1	286.0	378.8	364.8	455.6	704.2	951.5	1,377.1	1,989.9	2,313.1	-	601.3
	All	476.0	248.3	298.3	604.2	746.1	710.0	806.3	1,157.8	1,476.7	2,063.5	3,643.7	6,605.8	-	1,071.5
Other healthcare encounters	Rehab Services	7.8	4.6	4.7	20.2	21.4	18.5	34.5	64.5	145.1	312.5	790.8	1,400.4	-	108.5
	Other healthcare encounters	134.0	42.1	34.6	51.6	36.0	36.2	62.7	95.0	111.0	161.3	148.4	113.5	-	78.0
	All	141.8	46.7	39.3	71.9	57.3	54.7	97.2	159.5	256.1	473.8	939.3	1,513.9	-	186.5
Total		6,228.0	1,952.9	1,791.3	2,729.2	3,471.7	4,291.4	6,351.9	9,940.4	13,950.5	21,975.2	35,326.1	49,339.6	-	9,031.4

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

Maricopa County 2010 Hospital Discharge Statistics

Table 5.06a Selected Primary Diagnosis Groups by Sex Number of Discharges

Primary Diagnosis		Gender			Total
		Male	Female	Unknown	
Infectious and parasitic diseases	Septicemia	4,616	4,866	0	9,482
	Other Infectious and parasitic diseases	3,773	4,189	0	7,962
	All	8,389	9,055	0	17,444
Neoplasms	Malignant Neoplasm of large intestine & rectum	651	690	0	1,341
	Malignant neoplasm of trachea, bronchus & lung	744	755	0	1,499
	Malignant neoplasm of breast	4	766	0	770
	Neoplasms - Other Malignant	4,582	3,919	0	8,501
	Neoplasms - Benign	572	3,023	0	3,595
	Neoplasms - Other	278	334	0	612
	All	6,831	9,487	0	16,318
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	3,451	2,926	1	6,378
	Volume depletion (dehydration)	116	119	0	235
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	3,281	5,277	0	8,558
	All	6,848	8,322	1	15,171
Diseases of the blood and blood-forming organs		1,977	2,641	0	4,618
Mental disorders	Psychoses	4,120	3,386	0	7,506
	Alcohol dependence syndrome	307	117	0	424
	Other Mental disorders	880	1,026	0	1,906
	All	5,307	4,529	0	9,836
Diseases of the nervous system and sense organs		4,291	5,625	0	9,916
Diseases of the circulatory system	Heart disease	5,978	5,612	0	11,590
	Acute myocardial infarction	3,416	1,944	0	5,360
	Coronary atherosclerosis	5,096	2,497	0	7,593
	Other ischemic heart disease	150	185	0	335
	Cardiac dysrhythmias	4,861	4,605	0	9,466
	Congestive heart failure	1,241	1,039	0	2,280
	Cerebrovascular disease	4,836	5,343	0	10,179
	Other Diseases of the circulatory system	5,770	5,602	1	11,373
	All	31,348	26,827	1	58,176
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	1,642	1,506	0	3,148
	Pneumonia	4,933	5,144	0	10,077
	Chronic bronchitis	2,289	2,941	0	5,230
	Asthma	2,365	2,962	0	5,327
	Other Diseases of the respiratory system	5,605	5,133	0	10,738
	All	16,834	17,686	0	34,520
Diseases of the digestive system	Appendicitis	2,807	2,254	0	5,061
	Noninfectious enteritis and colitis	1,447	2,584	0	4,031
	Cholelithiasis	510	386	0	896
	Other Diseases of the digestive system	15,785	20,232	0	36,017
	All	20,549	25,456	0	46,005
Diseases of the genitourinary system	Calculus of kidney and ureter	1,451	1,212	0	2,663
	Other Diseases of the genitourinary system	6,779	13,525	0	20,304
	All	8,230	14,737	0	22,967
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	4,952	4,246	0	9,198
	Other Diseases of the skin and subcutaneous	661	650	0	1,311
	All	5,613	4,896	0	10,509

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.06a continued

Primary Diagnosis		Gender			Total
		Male	Female	Unknown	
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	4,477	6,319	0	10,796
	Intervertebral disc disorders	1,572	1,604	0	3,176
	Other - Diseases of the musculoskeletal	4,908	5,358	0	10,266
	All	10,957	13,281	0	24,238
Congenital anomalies		825	753	0	1,578
Certain conditions originating in the perinatal period		1,183	947	0	2,130
Symptoms, signs, and ill-defined conditions		10,148	13,147	0	23,295
Injury and poisoning	Fractures, all sites	5,178	4,842	0	10,020
	Fracture of neck of femur	1,090	2,236	0	3,326
	Poisonings	2,134	2,467	0	4,601
	Other Injury and poisoning	12,337	10,614	1	22,952
	All	20,739	20,159	1	40,899
Other healthcare encounters	Rehab Services	2,041	2,101	0	4,142
	Other healthcare encounters	1,544	1,433	1	2,978
	All	3,585	3,534	1	7,120
Total		163,654	181,082	4	344,740

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

Maricopa County 2010 Hospital Discharge Statistics

**Table 5.06b Selected Primary Diagnosis Groups by Gender
Crude Hospitalization Rates per 100,000 Residents**

Primary Diagnosis		Gender			
		Male	Female	Unknown	Total
Infectious and parasitic diseases	Septicemia	244.4	252.3	-	248.4
	Other Infectious and parasitic diseases	199.8	217.2	-	208.6
	All	444.2	469.5	-	457.0
Neoplasms	Malignant Neoplasm of large intestine & rectum	34.5	35.8	-	35.1
	Malignant neoplasm of trachea, bronchus & lung	39.4	39.1	-	39.3
	Malignant neoplasm of breast	0.2	39.7	-	20.2
	Neoplasms - Benign	30.3	156.7	-	94.2
	Neoplasms - Other Malignant	242.6	203.2	-	222.7
	Neoplasms - Other	14.7	17.3	-	16.0
	All	361.7	491.9	-	427.5
Endocrine, nutritional and metabolic diseases, and immunity disorders	Diabetes mellitus	182.7	151.7	-	167.1
	Volume depletion (dehydration)	6.1	6.2	-	6.2
	Other Endocrine, nutritional and metabolic diseases, and immunity disorders	173.7	273.6	-	224.2
	All	362.6	431.5	-	397.4
Diseases of the blood and blood-forming organs		104.7	136.9	-	121.0
Mental disorders	Psychoses	218.2	175.6	-	196.6
	Alcohol dependence syndrome	16.3	6.1	-	11.1
	Other Mental disorders	46.6	53.2	-	49.9
	All	281.0	234.8	-	257.7
Diseases of the nervous system and sense organs		227.2	291.7	-	259.8
Diseases of the circulatory system	Heart disease	316.6	291.0	-	303.6
	Acute myocardial infarction	180.9	100.8	-	140.4
	Coronary atherosclerosis	269.8	129.5	-	198.9
	Other ischemic heart disease	7.9	9.6	-	8.8
	Cardiac dysrhythmias	257.4	238.8	-	248.0
	Congestive heart failure	65.7	53.9	-	59.7
	Cerebrovascular disease	256.1	277.0	-	266.7
	Other Diseases of the circulatory system	305.5	290.5	-	297.9
	All	1,660.0	1,391.0	-	1,524.1
Diseases of the respiratory system	Acute bronchitis and bronchiolitis	86.9	78.1	-	82.5
	Pneumonia	261.2	266.7	-	264.0
	Chronic bronchitis	121.2	152.5	-	137.0
	Asthma	125.2	153.6	-	139.6
	Other Diseases of the respiratory system	296.8	266.1	-	281.3
	All	891.4	917.0	-	904.3
Diseases of the digestive system	Appendicitis	148.6	116.9	-	132.6
	Noninfectious enteritis and colitis	76.6	134.0	-	105.6
	Cholelithiasis	27.0	20.0	-	23.5
	Other Diseases of the digestive system	835.9	1,049.0	-	943.6
	All	1,088.1	1,319.9	-	1,205.2
Diseases of the genitourinary system	Calculus of kidney and ureter	76.8	62.8	-	69.8
	Other Diseases of the genitourinary system	359.0	701.3	-	531.9
	All	435.8	764.1	-	601.7
Diseases of the skin and subcutaneous tissue	Cellulitis and abscess	262.2	220.2	-	241.0
	Other Diseases of the skin and subcutaneous tissue	35.0	33.7	-	34.3
	All	297.2	253.9	-	275.3

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.06b continued

Primary Diagnosis		Gender			
		Male	Female	Unknown	Total
Diseases of the musculoskeletal system and connective tissue	Osteoarthritis and allied disorders	237.1	327.6	-	282.8
	Intervertebral disc disorders	83.2	83.2	-	83.2
	Other - Diseases of the musculoskeletal	259.9	277.8	-	268.9
	All	580.2	688.6	-	635.0
Congenital anomalies		43.7	39.0	-	41.3
Certain conditions originating in the perinatal period		62.6	49.1	-	55.8
Symptoms, signs, and ill-defined conditions		537.4	681.7	-	610.3
Injury and poisoning	Fractures, all sites	274.2	251.1	-	262.5
	Fracture of neck of femur	57.7	115.9	-	87.1
	Poisonings	113.0	127.9	-	120.5
	Other Injury and poisoning	653.3	550.3	-	601.3
	All	1,098.2	1,045.2	-	1,071.5
Other healthcare encounters	Rehab Services	108.1	108.9	-	108.5
	Other healthcare encounters	81.8	74.3	-	78.0
	All	189.8	183.2	-	186.5
Total		8,666.0	9,389.0	-	9,031.4

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

Maricopa County 2010 Hospital Discharge Statistics

Table 5.07 Total Charges for Hospitalizations by Primary Diagnosis Groups

Primary Diagnosis Category	N	Median	Mean	Sum
Infectious and parasitic diseases	17,444	\$ 32,495	\$ 56,724	\$ 989,500,965
Septicemia	9,482	\$ 45,815	\$ 73,914	\$ 700,855,693
Neoplasms	16,318	\$ 44,189	\$ 70,640	\$ 1,065,570,000
Malignant neoplasms	12,134	\$ 48,687	\$ 72,907	\$ 857,151,423
Malignant neoplasm - large intestine & rectum	1,341	\$ 58,399	\$ 74,300	\$ 99,636,552
Malignant neoplasm - trachea, bronchus, & lung	1,499	\$ 53,522	\$ 67,033	\$ 100,482,288
Malignant neoplasm - breast	770	\$ 37,823	\$ 46,760	\$ 36,004,950
Benign neoplasms	3,595	\$ 32,251	\$ 46,211	\$ 166,128,748
Endocrine, nutritional and metabolic diseases, and immunity disorders	15,171	\$ 21,896	\$ 30,624	\$ 464,591,171
Diabetes mellitus	6,378	\$ 22,609	\$ 32,896	\$ 209,809,523
Volume depletion (dehydration)	235	\$ 51,459	\$ 73,783	\$ 17,338,905
Diseases of the blood and blood-forming organs	4,618	\$ 21,380	\$ 32,988	\$ 152,336,748
Mental disorders	9,836	\$ 20,836	\$ 30,660	\$ 301,574,381
Psychoses	7,506	\$ 22,725	\$ 34,003	\$ 255,225,241
Alcohol dependence syndrome	424	\$ 16,049	\$ 21,619	\$ 9,166,325
Diseases of the nervous system and sense organs	9,916	\$ 23,304	\$ 35,718	\$ 354,178,477
Diseases of the circulatory system	58,176	\$ 35,740	\$ 57,807	\$ 3,362,990,000
Heart disease	11,590	\$ 35,007	\$ 61,047	\$ 707,534,757
Acute myocardial infarction	5,360	\$ 71,177	\$ 90,697	\$ 486,136,782
Coronary atherosclerosis	7,593	\$ 66,389	\$ 83,387	\$ 633,160,242
Other ischemic heart disease	335	\$ 21,816	\$ 25,497	\$ 8,541,626
Cardiac dysrhythmias	9,466	\$ 26,712	\$ 44,160	\$ 418,017,722
Congestive heart failure	2,280	\$ 28,087	\$ 47,968	\$ 109,366,148
Cerebrovascular disease	10,179	\$ 29,475	\$ 45,364	\$ 461,764,870
Diseases of the respiratory system	34,520	\$ 22,146	\$ 35,462	\$ 1,224,160,000
Acute bronchitis and bronchiolitis	3,148	\$ 10,332	\$ 15,374	\$ 48,396,800
Pneumonia	10,077	\$ 23,067	\$ 34,889	\$ 351,573,230
Chronic bronchitis	5,230	\$ 23,370	\$ 29,542	\$ 154,504,266
Asthma	5,327	\$ 14,372	\$ 19,635	\$ 104,597,466
Diseases of the digestive system	46,005	\$ 27,322	\$ 37,710	\$ 1,734,870,000
Appendicitis	5,061	\$ 29,996	\$ 35,295	\$ 178,628,150
Noninfectious enteritis and colitis	4,031	\$ 22,597	\$ 32,385	\$ 130,545,767
Cholelithiasis	896	\$ 27,650	\$ 50,295	\$ 45,063,910
Diseases of the genitourinary system	22,967	\$ 23,688	\$ 30,433	\$ 698,963,517
Calculus of kidney and ureter	2,663	\$ 25,780	\$ 28,718	\$ 76,474,872
Diseases of the skin and subcutaneous tissue	10,509	\$ 18,260	\$ 25,098	\$ 263,759,180
Cellulitis and abscess	9,198	\$ 17,891	\$ 23,556	\$ 216,666,108

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Primary Diagnosis Category	N	Median	Mean	Sum
Diseases of the musculoskeletal system and connective tissue	24,238	\$ 46,367	\$ 55,343	\$ 1,341,410,000
Osteoarthritis and allied disorders	10,796	\$ 48,732	\$ 52,521	\$ 567,020,583
Intervertebral disc disorders	3,176	\$ 45,638	\$ 64,240	\$ 204,025,641
Congenital anomalies	1,578	\$ 55,677	\$ 107,144	\$ 169,073,103
Certain conditions originating in the perinatal period	2,130	\$ 12,336	\$ 62,277	\$ 132,650,252
Symptoms, signs, and ill-defined conditions	23,295	\$ 19,884	\$ 23,770	\$ 553,725,713
Injury and poisoning	40,899	\$ 33,652	\$ 51,909	\$ 2,123,040,000
Fractures, all sites	13,347	\$ 41,353	\$ 56,133	\$ 749,204,132
Fracture of neck of femur	3,326	\$ 51,700	\$ 58,985	\$ 196,185,499
Poisonings	4,601	\$ 18,815	\$ 27,768	\$ 127,762,670
Other healthcare encounters	7,120	\$ 32,893	\$ 44,206	\$ 314,747,396
Rehab Services	4,142	\$ 36,648	\$ 44,447	\$ 184,098,676
Total	344,740	\$ 28,415	\$ 44,228	\$ 15,247,000,000

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

Table 5.08 Average Cost of Hospitalization Related to Pregnancy and Birth

	N	Median	Mean	Sum
Infant	53,849	\$ 2,331	\$ 6,946	\$ 374,011,490
Mother	60,672	\$ 11,620	\$ 14,388	\$ 872,954,488
Total	114,521	\$ 5,675	\$ 9,302	\$ 1,246,965,978

Note: Mothers include all women hospitalized for pregnancy related conditions

Maricopa County 2010 Hospital Discharge Statistics

Table 5.09 Length of Hospital Stay (Days) by Primary Diagnosis Group

Primary Diagnosis Code Categories	N	Median	Mean	Sum
Infectious and parasitic diseases	17,444	4	6.1	105,881
Septicemia	9,482	5	7.2	68,222
Neoplasms	16,318	3	5.5	90,199
Malignant neoplasms	12,134	4	6.2	75,168
Malignant neoplasm - large intestine & rectum	1,341	6	7.7	10,319
Malignant neoplasm - trachea, bronchus, & lung	1,499	5	6.8	10,131
Malignant neoplasm - breast	770	1	2.1	1,615
Benign neoplasms	3,595	2	3.2	11,492
Endocrine, nutritional and metabolic diseases, and immunity disorders	15,171	2	3.5	52,498
Diabetes mellitus	6,378	3	3.9	24,957
Volume depletion (dehydration)	235	7	10.1	2,367
Diseases of the blood and blood-forming organs	4,618	3	4.0	18,574
Mental disorders	9,836	6	10.5	102,860
Psychoses	7,506	8	12.5	93,729
Alcohol dependence syndrome	424	3	3.4	1,457
Diseases of the nervous system and sense organs	9,916	3	3.9	38,249
Diseases of the circulatory system	58,176	3	3.9	229,752
Heart disease	11,590	4	5.1	59,552
Acute myocardial infarction	5,360	3	4.6	24,790
Coronary atherosclerosis	7,593	2	3.5	26,612
Other ischemic heart disease	335	1	1.9	635
Cardiac dysrhythmias	9,466	2	3.0	28,732
Congestive heart failure	2,280	3	4.0	9,168
Cerebrovascular disease	10,179	3	3.7	37,733
Diseases of the respiratory system	34,520	3	4.4	151,107
Acute bronchitis and bronchiolitis	3,148	2	3.2	9,939
Pneumonia	10,077	3	4.5	45,744
Chronic bronchitis	5,230	3	4.0	20,931
Asthma	5,327	2	3.0	15,823
Diseases of the digestive system	46,005	3	3.9	181,208
Appendicitis	5,061	2	2.5	12,647
Noninfectious enteritis and colitis	4,031	3	4.1	16,474
Cholelithiasis	896	4	5.6	5,023
Diseases of the genitourinary system	22,967	2	3.3	75,708
Calculus of kidney and ureter	2,663	2	2.2	5,964
Diseases of the skin and subcutaneous tissue	10,509	3	3.9	41,264

(Continued)

Maricopa County 2010 Hospital Discharge Statistics

Table 5.09 continued

Primary Diagnosis Code Categories	N	Median	Mean	Sum
Cellulitis and abscess	9,198	3	3.8	34,851
Diseases of the musculoskeletal system and connective tissue	24,238	3	3.3	79,849
Osteoarthritis and allied disorders	10,796	3	3.0	31,976
Intervertebral disc disorders	3,176	2	2.8	8,842
Congenital anomalies	1,578	3	7.1	11,265
Certain conditions originating in the perinatal period	2,130	3	10.4	22,074
Symptoms, signs, and ill-defined conditions	23,295	2	2.5	57,144
Injury and poisoning	40,899	3	4.3	177,397
Fractures, all sites	13,347	3	4.3	56,446
Fracture of neck of femur	3,326	4	5.3	17,550
Poisonings	4,601	2	3.0	13,710
Other healthcare encounters	7,120	7	10.0	71,430
Rehab Services	4,142	12	13.7	56,952
Total	344,740	3	4.4	1,506,459

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

Table 5.10 Length of Hospital Stay for Pregnancy and Birth Related Hospitalizations

	N	Median	Mean	Sum
Infant	53,849	2.0	2.9	158,240
Mother	60,672	2.0	2.6	158,122
Total	114,521	2.0	2.8	316,362

Note: Mothers include all women hospitalized for pregnancy-related conditions

VI. Maricopa County 2010 Behavioral Risk Factor Statistics

Maricopa County 2010 Behavioral Risk Factors Survey Statistics

**Table 6.01 Self-Reported Health Indicators by Sex, Age Group, and Race/Ethnicity
Behavioral Risk Factor Survey**

Self-Reported Answers	Male	Female	18-34	35-44	45-54	55-64	65+	White non-Hispanic	Hispanic	Total
Health Status-Excellent, Very Good, or Good	88.5%	83.2%	93.3%	89.1%	84.9%	81.9%	78.9%	88.6%	72.3%	85.9%
Life Satisfaction-Very Satisfied or Satisfied	91.5%	93.5%	91.6%	93.5%	90.1%	92.2%	96.9%	93.4%	89.7%	92.5%
Activity Limited Due to Health Problems	16.3%	22.4%	7.5%	14.1%	16.8%	30.8%	34.1%	21.8%	13.5%	19.3%
BMI-Overweight ¹	50.0%	33.0%	33.9%	46.5%	41.5%	42.6%	44.3%	43.2%	42.1%	41.8%
BMI-Obesity ¹	23.8%	21.8%	21.0%	20.9%	25.5%	26.6%	18.9%	22.8%	32.8%	22.9%
Fruit and Vegetable Consumption-5 or more servings a day	20.7%	28.9%	28.1%	22.4%	19.8%	27.3%	32.2%	24.3%	19.3%	24.8%
Seat Belt Use-Always	87.5%	90.4%	80.1%	91.2%	89.8%	90.9%	92.5%	90.2%	86.7%	89.0%

¹Overweight and Obesity are based on the respondent's self-report height and weight

**Table 6.02 Medical Provider Diagnosed Conditions by Sex, Age Group, and Race/Ethnicity
Behavioral Risk Factor Survey**

Has a Medical Provider Ever Told You that You Have/Had	Male	Female	18-34	35-44	45-54	55-64	65+	White non-Hispanic	Hispanic	Total
Coronary Heart Disease	4.8%	2.5%	0%	1.1%	0.3%	6.5%	15.2%	4.4%	0.9%	3.6%
Heart Attack	5.5%	3.5%	0.8%	1.1%	3.2%	5.7%	14.3%	4.8%	3.5%	4.5%
Stroke	2.4%	2.9%	0.7%	0.7%	0.9%	3.4%	10.2%	2.8%	3.2%	2.7%
Diabetes	7.6%	8.7%	0.1%	3.8%	8.2%	16.1%	15.5%	7.5%	12.7%	8.1%
Asthma	11.5%	16.1%	15.9%	9.7%	15.1%	14.6%	13.8%	15.5%	9.7%	13.8%
Emphysema	1.4%	2.2%	1.0%	0.3%	0.9%	3.1%	5.4%	2.1%	1.4%	1.8%
Prostate Cancer	2.6%	NA	0%	0%	0%	1.3%	12.6%	2.3%	3.6%	2.6%

Note: See Technical Notes for detailed description of questionnaire questions and for weighted N for each question and group.

Maricopa County 2010 Behavioral Risk Factors Survey Statistics

**Table 6.03 Self-Reported Alcohol and Cigarette Usage by Sex, Age Group, and Race/Ethnicity
Behavioral Risk Factor Survey**

Alcohol and Smoking	Male	Female	18-34	35-44	45-54	55-64	65+	White non-Hispanic	Hispanic	Total
Binge Drinking	20.4%	9.1%	22.7%	17.4%	16.4%	9.8%	3.6%	14.5%	21.7%	14.8%
Heavy Drinking	3.1%	6.2%	3.3%	3.3%	6.6%	4.4%	3.9%	5.5%	3.4%	4.6%
Current Smoker	15.4%	12.3%	19.0%	12.6%	14.8%	11.2%	10.3%	13.7%	17.9%	13.8%
Former Smoker	29.1%	24.1%	16.6%	21.7%	23.5%	32.9%	44.7%	29.3%	19.1%	26.6%

**Table 6.04 Health Screenings by Sex, Age Group, and Race/Ethnicity
Behavioral Risk Factor Survey**

Health Screenings	Male	Female	18-34	35-44	45-54	55-64	65+	White non-Hispanic	Hispanic	Total
Ever Had an HIV Test	32.5%	39.0%	46.7%	47.9%	27.1%	21.4%	0%	32.5%	39.2%	35.7%
Ever Had a Colonoscopy/ Sigmoidoscopy Screening¹	59.4%	62.1%	NA	NA	42.4%	67.0%	76.6%	63.1%	51.8%	60.8%
Ever Had a Mammography Screening²	NA	74.6%	NA	65.0%	91.7%	94.9%	96.1%	83.2%	62.2%	74.6%
Routine Mammography-within 2 year²	NA	74.3%	NA	47.7%	78.7%	78.3%	80.0%	77.1%	77.8%	74.3%
Ever Had a Pap Smear³	NA	95.5%	89.5%	96.2%	98.8%	98.6%	92.7%	97.3%	90.2%	95.5%
Routine Pap Smear-within 3 years³	NA	82.6%	84.7%	86.3%	84.1%	85.0%	63.0%	86.0%	79.8%	82.6%
Ever Had a Prostate Screening-PSA⁴	61.5%	NA	0%	29.6%	55.7%	76.5%	93.6%	66.9%	36.0%	61.5%
Prostate Cancer Screening PSA within 2 years⁴	49.7%	NA	NA	24.1%	43.2%	59.1%	83.0%	54.1%	31.3%	49.7%

¹ Males and females 50 years old or older.

² Females 40 years old or older.

³ Females 18 years old or older.

⁴ Males 50 years old or older.

Note: See Technical Notes for detailed description of questionnaire questions and for weighted N for each question and group.

Maricopa County 2010 Behavioral Risk Factors Survey Statistics

**Table 6.05 Vaccination Status by Sex, Age Group, and Race/Ethnicity
Behavioral Risk Factor Survey**

Vaccinations	Male	Female	18-34	35-44	45-54	55-64	65+	White non-Hispanic	Hispanic	Total
Yearly Influenza Vaccine	30.1%	42.8%	25.0%	26.5%	28.9%	46.1%	68.8%	38.9%	30.7%	36.4%
Pneumonia Vaccine	26.4%	33.3%	20.0%	13.7%	19.5%	36.1%	73.5%	32.0%	22.5%	29.9%
Shingles Vaccine	6.1%	10.8%	NA	NA	0.9%	4.7%	20.3%	9.5%	3.5%	8.5%

**Table 6.06 Mental Health Indicators by Sex, Age Group, and Race/Ethnicity
Behavioral Risk Factor Survey**

Mental Health	Male	Female	18-34	35-44	45-54	55-64	65+	White non-Hispanic	Hispanic	Total
Emotional Support-Always or Usually	79.0%	82.2%	80.0%	79.0%	82.7%	80.3%	79.6%	84.7%	68.9%	80.6%
Anxiety Disorder	11.2%	15.7%	14.0%	14.0%	15.3%	13.1%	8.5%	14.7%	11.7%	13.4%
Depressive Disorder	13.0%	21.9%	16.1%	13.6%	22.3%	18.5%	13.2%	19.8%	13.4%	17.4%

**Table 6.07 Health Care Coverage and Utilization by Sex, Age Group, and Race/Ethnicity
Behavioral Risk Factor Survey**

Health Care Coverage and Utilization	Male	Female	18-34	35-44	45-54	55-64	65+	White non-Hispanic	Hispanic	Total
Health Care Coverage ¹	86.1%	84.9%	81.3%	79.6%	90.4%	88.8%	NA	89.8%	67.3%	85.5%
Time Since Last Routine Checkup-within past year	58.9%	73.1%	63.6%	58.9%	60.5%	68.2%	86.8%	66.3%	61.9%	66.0%
Could Not Afford Needed Health Care	8.0%	14.4%	9.5%	15.7%	11.9%	12.4%	4.8%	7.6%	4.3%	11.2%
Time Since Last Dental Exam-within past year	69.3%	69.6%	64.7%	70.3%	70.1%	68.4%	73.0%	74.9%	52.6%	69.4%

¹ Males and females 18-64 years old.

Note: See Technical Notes for detailed description of questionnaire questions and for weighted N for each question and group.

VII. Technical Notes

Population Statistics

Population statistics are shown in Tables **1.01** and **1.02**. This report used the 2010 Census data.

- The Maricopa County population is from the U.S. Census Bureau, County Population Estimates by Age, Sex, Race and Hispanic Origin for April 1, 2010, released July 14, 2011.

The United States Census Bureau is required by the U.S. Constitution to conduct a count of the population at least every 10 years. In 2010, a Census was conducted, providing the most accurate picture of the population and the demographics of Maricopa County since the 2000 Census. During the period between Censuses, the U.S. Census Bureau releases estimates of the population. Due to the nature of estimates, they become less reliable as more time progresses since the last Census. For example, the population of Maricopa County in 2009 was estimated to be more than 200,000 people greater than the 2010 Census. Therefore, the populations reported in previous reports may have underestimated the rates of disease in Maricopa County due to an overestimation of the population in Maricopa County during the years between the Census.

This report defines “Hispanic” as all respondents listing Hispanic as origin, either alone or in combination with any race. The table below shows how the U.S. Census variables of “origin” and “race” are used for categorization in this report.

Table 7.1 Race/Ethnicity Categories Used in This Report		
Category Used in This Report	U.S. Census Code “Race”	U.S. Census Code “Origin”
White	Race=1 (White Alone)	Origin=1 (Non-Hispanic)
African American	Race=2 (Black Alone)	Origin=1 (Non-Hispanic)
American Indian, Non-Hispanic	Race=3 (American Indian or Alaska Native Alone)	Origin=1 (Non-Hispanic)
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)
Other	Race=7 (Some Other Race)	Origin=1 (Non-Hispanic)
Hispanic	Race=1,2,3,4,5,6,7	Origin=2 (Hispanic)

The race category Multiple is only used for data from mortality (death) records. For all other data sources (communicable, birth, hospital discharge) the Multiple race population is included with “Other” because these data sources do not allow the selection of more than one race.

Mortality (Death) Statistics

Mortality (death) statistics are shown in Tables **2.01a** through **2.16**. Any crude death rate can be calculated by taking the number of deaths from any mortality table in this report and dividing it by the appropriate age, gender, race/ethnicity, or total population denominator found in Tables **1.01** and **1.02**. In tables where rates are shown, "0" means there were no cases/deaths in that category. However, when the number "0.0" is shown, it means that there were fewer than .05 deaths per 100,000 residents. Only one condition, Sudden Infant Death Syndrome (SIDS) is calculated differently. By definition, SIDS deaths only occur in infants; as a result, these numbers are divided by the number of live births (rather than the standard 100,000 residents), to produce a rate per 1,000 live births.

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

During the course of routine data review, several deaths were identified as being in one county even though their city and ZIP codes indicated that they lived in a different county. For these discrepant cases, final classification in this report was based on the address of the resident. (The address is determined by reviewing the street address, city, county, and ZIP code). Therefore, the numbers presented in this report may not precisely match those presented by ADHS in other reports. In addition, one death was not counted due to the death being voided after the data was finalized for 2010.

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

Tables **2.01b**, **2.02b**, **2.03b**, **2.04b**, **2.05b**, **2.06b**, **2.07b**, and **2.10b** do not provide a rate for the categories labeled "Unknown Age" "Unknown Gender" or "Unknown Race/Ethnicity." This is because there is no denominator to use for calculating the rate as the U.S. Census does not report any data on "unknown age," "unknown gender," or "unknown race/ethnicity."

In Tables **2.03a** through **2.05b**, unintentional injury deaths can be found by adding two categories – "motor vehicle collisions" and "all other accidents and adverse effects." The total for unintentional injuries in this report is higher than the figure reported by ADHS because deaths from "complications of medical and surgical care" are included in most tables in this report. This convention follows the national model for classifying unintentional injuries. "Complications of medical and surgical care" include deaths from medical devices, adverse effects related to correct doses of therapeutic medications, and misadventures to patients during surgical or medical care (ICD-10 Y40-Y84, Y88). The only exceptions to this method are in Tables **2.15** and **2.16**, where unintentional injury deaths do not include complications of medical/surgical care to make them comparable to the Healthy People 2010 goals.

Tables 2.06a through 2.09b do not report total deaths by Race/Ethnicity, Age Group, or Sex because the causes of death reported in these tables are a subset of the causes of death reported in tables 2.03a through 2.05b.

Unless otherwise noted, all deaths are attributed to one underlying condition, based on death certificate information, using the rules of the International Classification of Diseases, 10th Revision

(ICD-10). Causes of death are classified by ICD-10 codes. The codes used for each category are listed in Table 7.2 below.

Table 7.2 ICD-10 Codes Used for This Report

Cause	ICD-10 Codes Used
Tuberculosis	A16-A19
Syphilis	A50-A53
HIV Disease	B20-B24
Malignant Neoplasms (Cancer)	C00-C97
Malignant Neoplasm of the Stomach	C16
Malignant Neoplasm of the Colon	C18-C21
Malignant Neoplasm of the Pancreas	C25
Malignant Neoplasm of Bronchus, Lung, or Trachea	C33-C34
Malignant Neoplasm of the Breast	C50
Malignant Neoplasm of the Uterus, Cervix, Ovary	C53-C56
Malignant Neoplasm of the Prostate	C61
Malignant Neoplasm of Urinary Organs	C64-C68
Non-Hodgkins Lymphoma	C82-C85
Leukemia	C91-C95
Other Malignant Neoplasms	C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-97
Diabetes	E10-E14
Alzheimer's	G30
Major Cardiovascular Disease	I00-I78
Disease of Heart	I00-I09, I11, I13, I20-I51
Hypertensive Heart Disease	I11, I13
Ischemic Heart Disease	I20-I25
Other Heart Disease	I00-I09, I26-I51
Coronary Heart Disease	I11, I20-I25
Primary Hypertension	I10, I12
Cerebrovascular Diseases	I60-I69
Atherosclerosis	I70
Other Circulatory	I71-I78
Influenza & Pneumonia	J09-J18
Chronic Lower Respiratory	J40-J47
Asthma	J45-J46
Peptic Ulcer	K25-K28
Liver Disease, including chronic liver disease, cirrhosis, alcoholic liver disease, and other chronic liver disease	K70, K73-K74
Nephritis, nephritic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Pregnancy, childbirth, and the puerperium	A34, O00-O99
Perinatal Conditions	P00-P96
Congenital Malformations	Q00-Q99
SIDS (Sudden Infant Death Syndrome)	R95
Ill Defined Disease Conditions (Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified, excluding SIDS)	R00-R94, R96-R99

(Table Continues)

(Table 5.2, Continued)

All Other Diseases	A00-A09, A20-A33, A35-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15N20-N23, N28-N98
Motor Vehicle Collisions	V02-V04, V09.0, V09.2, V12-V14, V19.0 - V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0 V89.2
All Other Accidents & Adverse Effects	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9 V90-X29, X31-X59, Y40-Y86, Y88
Falls	W00-W19
Excessive Exposure to Natural Heat	X30
Accidental Poisoning	X40-X49
Accidental Drowning (Excludes drowning involving water transportation)	W65-W74
Suicide	U03, X60-X84, Y87.0
Homicide	U01-U02, X85-Y09, Y87.1
All Other External Causes	Y10-Y36, Y87.2, Y89
Unknown Causes	No ICD code listed
Firearm Related	W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0
Drug Induced or Related	F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.8, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, X40-X44, X60-X64, X85, Y10-Y14
Alcohol Induced or Related	F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15

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 shown in this report are based on the 113 selected causes of death reported by NCHS in their annual report. A few additional causes of death, like coccidioidomycosis, have been selected due to their importance in Arizona.

Tables **2.09a** through **2.11b** show deaths resulting directly (induced) and indirectly (related) from firearms, drugs, and alcohol. Drugs include prescription medications and illegal substances, regardless of whether use was recreational or medicinal. Tobacco is considered a drug by the National Center for Health Statistics (NCHS). Drug-related deaths are listed both with and without tobacco-related deaths, because tobacco is not often considered to be a drug in the colloquial sense.

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

dehydration resulting from environmental exposure, with chronic drug use noted elsewhere on the certificate. Related causes of deaths are counted using multiple causes of death (MCD) data supplied by ADHS with the final annual mortality files. This is the only place multiple cause of death data are used in this report.

Firearm, drug, and alcohol induced deaths overlap with 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.

This report only reports heat deaths where heat is the underlying COD. In other reports produced by Maricopa County regarding heat deaths, the number of deaths may be greater. In the other reports the following criteria is used in classifying heat deaths. Heat caused deaths are death where heat directly caused the decedent to die. The death certificate has heat mentioned in the Part I of the death certificate. Part I is a progression of disease that leads to the immediate cause of death. Heat related deaths are deaths where the heat played a part by exacerbating pre-existing conditions, resulting in death. The death certificate has heat mentioned in the Part II of the death certificate. Part II is other significant conditions contributing to death but not resulting in the underlying cause given in Part I. In this report, the criterion used for classifying a death as heat is the underlying cause of death code. These deaths may have been classified as heat caused or heat related in the other reports.

Tables **2.15** and **2.16** show age-adjusted rates for Maricopa County. Age-adjusting removes the effect of a disproportionately large young or old population on crude death rates by computing an "adjusted" death rate. An age adjusted rate allows comparisons between different groups, even if one group has more older members than another. A high (unadjusted) death rate for residents of a certain town may be high *only* because that town has more senior citizens, who are more likely to die than younger residents. Age-adjusted rates allow comparisons between towns, ethnic groups, etc. by adjusting for how many older and younger members there are in the group. For example, the population pyramids at the beginning of this report show a greater percentage of White Non-Hispanics over the age 65 than Hispanics. This creates a much lower crude death rate for Hispanics compared to White Non-Hispanics. Age adjustment shows that White non-Hispanics still have a higher death rate, but the difference is not as extreme. Maricopa County rates are age-adjusted to the 2000 standard population using the direct method described in *Health, United States, 2002* published by the National Center for Health Statistics at www.cdc.gov/nchs/data/hus/hus02.pdf, p.414. Arizona, Healthy People goals, and U.S. rates included in this report are published as age-adjusted to the 2000 standard population by the agencies generating the rates.

For Table **2.16**, the mortality rate for breast cancer is calculated among women only (using only female residents in the denominator). The few male residents with breast cancer are not included in the numerator of the rate for breast cancer. For Tables **2.03b**, **2.04b**, **2.05b**, **2.06b**, **2.07b**, **2.08b** and **2.16**, prostate and testicular cancer rates are calculated among men only (using only male residents in the denominator), and uterine cancer, ovarian cancer, and pregnancy death rates are calculated among women only. In all other tables, and for all other diseases, the total population is used for the denominator for these conditions. See Table **2.05** for the incidence of male breast cancer.

A recent decrease in the number of deaths with an underlying cause of death due to pneumonia and influenza has been noted. A review of all deaths has found that although the percent of death certificates that mention either pneumonia or influenza has not decreased, the percent of death certificates that have pneumonia or influenza as the underlying cause of death has decreased. At this time there is no explanation for this decrease. Decreases may occur due to changes in the coding of disease, improvements in the writing of cause of deaths by medical providers, or some other random cause. This decrease is being investigated further.

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. Some of the changes directly impacted the data presented in this report. The changes in death certificates include questions pertaining to tobacco use, pregnancy status, classification of education level, and the introduction of classifying an individual to more than one race group. 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 in Tables **2.09**, **2.10**, and **2.11**. 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.

The education level question on the death certificate asks for the highest level of education attained by the decedent. In previous reports, education was determined by the number of years of education, from 0 years to 17 years. Education classification in those reports had 13-15 years as Some College, 16 years as College Graduate, and 17 years as Graduate School. Starting in 2010, education level changed to a description of the education attainment, i.e., “High School Graduate or GED”, “Some College-No Degree”, and “Associates Degree”. Before the change, decedents who may have earned an Associate Degree would have had 14 years of education, and assigned to have attained “Some College”. With the new descriptive education levels, decedents with an Associate Degree are now classified as being a “College Graduate” along with decedents with a Bachelor’s Degree.

The last change in this report due to the new death certificate is the classification of race. Prior to 2010, decedents were recorded as having a single race. In 2010, a decedent could be recorded as having more than one race. In this report, a new race group was added called “Multiple race” to account for this change. This means that decedents in the “Multiple race” group could be any combination of White, Black, American Indian, and Asian. As has been done in the past, race and Hispanic origin were combined to create race/ethnicity groupings (i.e., White non-Hispanic) that were non-Hispanic races and a Hispanic group. Therefore, if a decedent had multiple races and was Hispanic, they are classified as Hispanic in this report. Due to the decision to report Multiple race as a separate racial group, our numbers may not be comparable across years. A method was developed by the National Center for Health Statistics that ‘bridge’ the decedents with multiple races to a single race. This Report does not use the bridged race methodology. Please see http://www.cdc.gov/nchs/nvss/bridged_race.htm for more information on the methodology of the bridged race.

Comparison death rates for Arizona, shown in Table **2.16**, can be found in *Arizona Health Status and Vital Statistics 2010*, published by the ADHS at http://www.azdhs.gov/plan/report/ahs/ahs2010/chptr2a_2d.pdf. Figures for the U.S., except for breast cancer and prostate cancer are from *Deaths: Preliminary Data for 2010*. Figures for the U.S. for breast cancer and prostate cancer are from *Deaths: Final Data for 2008*. The Preliminary 2010 data were published in National Vital Statistics Reports, Vol 60, no 4 January 11, 2012. These data can be found at http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_04.pdf. The Final 2008 data were published in National Vital Statistics Reports, Vol 59, no10, December 7, 2011. These data can be found at: http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59_10.pdf. Healthy People 2010 Goals are set by the Department of Health and Human Services and may be found at www.healthypeople.gov/Document/tableofcontents.htm.

Communicable Disease (Morbidity) Statistics

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

The data presented in this report include communicable diseases to residents of Maricopa County. This includes Maricopa County residents who acquired a disease in Maricopa County and residents who acquired a disease elsewhere. Non-Maricopa County residents are not included, even if they acquired a disease in Maricopa County. For Hansen's disease only, tables include residents from various counties in Arizona, regardless of where the disease was acquired. Other reports may show different morbidity rates because they include non-residents who acquired disease in Maricopa County or they exclude residents who were exposed outside of the county. For example, MCDPH Health Status Reports show twenty residents with malaria in 2009. All of these cases acquired malaria outside of Maricopa County.

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

Data on tuberculosis, STDs, HIV, and AIDS may differ from other reports published by MCDPH and ADHS. Data on these diseases are in databases that may have been updated during the time between reports. The data for this report were acquired on the following dates.

- Tuberculosis data were acquired on October 31, 2011.
- STD data were acquired on September 9, 2011.
- Syphilis data were acquired on September 9, 2011.
- HIV/AIDS data for Maricopa County residents were acquired on June 30, 2011.
- HIV/AIDS data for Arizona residents were acquired on June 30, 2011.

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

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

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

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

Prior to 2008, hepatitis B data were also obtained from the MCDPH. This report uses hepatitis B data for confirmed and probable acute cases from ADHS. Comparison of hepatitis B cases in 2008 and 2009 to previous years will show a decrease in the total number of cases. This decrease is most likely due to changes in the investigation of the disease and not due to a change in the communicability of the disease in Maricopa County.

In 2009, a major laboratory changed reporting practices for coccidioidomycosis. Due to these changes, a large increase in the total number of cases has been observed. This increase in cases does not mean there is an increase of disease in Maricopa County. Rather, this means that more cases are being reported to public health.

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

In Table **3.04**, comparison morbidity rates for Arizona can be found in *Arizona Health Status and Vital Statistics 2010*, http://www.azdhs.gov/plan/report/ahs/ahs2010/chptr3a_3c.pdf. The rates for HIV and AIDS for Arizona were provided directly from ADHS on June 30, 2011. All U.S. rates are for 2010 and may be found in *Morbidity and Mortality Weekly Report Vol 58 no. 53 May 13, 2011* at <http://www.cdc.gov/mmwr/PDF/wk/mm5853.pdf>. Healthy People 2010 Goals are set by the Department of Health and Human Services and may be found at www.healthypeople.gov/Document/tableofcontents.htm.

Natality (Birth) Statistics

Natality (birth) statistics are shown in Tables **4.01** through **4.24**. The natality percentages for some groups such older and younger maternal age groups (under 15 and over 45) or certain racial/ethnic groups may be high compared to other groups. These groups have relatively small numbers of births in Maricopa County (as shown in Table **4.01**). Although percentages may be high, they may represent only one or two cases in a given category. Therefore, it is advisable to check the raw numbers in addition to the rates.

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

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

Table **4.24** compares natality measures for Maricopa County to Arizona and the U.S. Arizona figures for 2010 can be found in *Arizona Health Status and Vital Statistics 2010*, published by ADHS at http://www.azdhs.gov/plan/report/ahs/ahs2010/chptr1a_1d.pdf. Infant mortality statistics are from unlinked data or the number of infant deaths in a given year. U.S. data are preliminary for 2010, from the National Center for Health Statistics and can be found in *Deaths: Preliminary Data for 2010*, National Vital Statistics Reports, Vol 60, no 4, January 11, 2012 at http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_04.pdf. Maternal mortality data for the U.S. are unavailable for the most recent report. This is due to the changes on the death certificates nationwide. States that have adopted the 2003 standard consistently had higher rates of maternal deaths due to the changes discussed in the mortality section of these technical notes. U.S. Data for low birthweight births and births to teen mothers can be found in *Births: Preliminary Data for 2010*, National Vital Statistics Reports, Vol 60, no 2, November 2011 at http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_02.pdf. An explanation of unlinked infant mortality data is presented below.

Adequate prenatal care is based on the Adequacy of Prenatal Care Utilization Index (APCUI)¹. This index considers both the timing of prenatal care initiation and the number of visits after care was initiated, comparing the number of actual visits to the number of visits recommended by the American College of Obstetricians and Gynecologists. This index does not describe the quality of the care or adjust for maternal risk factors. Only singleton (the birth of one baby rather than twins, triplets, or other multiple births) 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

Maternal deaths reported in *Table 4.24* are based on death certificates where the pregnancy status was either "Pregnant at the time of death" or "Not pregnant, but pregnant within 42 days of death," and a pregnancy condition is mentioned anywhere on the death certificates. Maternal deaths where the underlying cause of death was not pregnancy were counted using multiple causes of death (MCD) data supplied by ADHS with the final annual mortality files. Pregnancy-related deaths are based on death certificates where the pregnancy status was marked as either "Pregnant at the time of death" or "Not pregnant, but pregnant within 42 days of death," regardless on the cause of death.

The following definitions related to reproductive health have been established by National Center for Health Statistics²:

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

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

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

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

- Infant 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.
- Maternal Mortality Rate – Number of deaths to “a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes” per 100,000 births.⁴
- Pregnancy-related Mortality Rate-Number of deaths to “a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the cause of death.”⁵
- 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.

Hospital Discharge Data Statistics

Hospital discharge data are presented in tables **5.01** through **5.10**.

Hospital Discharge Data (HDD) are submitted by Arizona Hospitals to Arizona Department of Health Services (ADHS). Data are submitted by half years, with the first half (January 1 – June 30) due August 15 of the same year and the second half (July 1 – December 31) due by February 15th of the following year. ADHS then prepares the data for public release and the data are released between 3 and 6 months after collection. These datasets only contain 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.

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.

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

⁴ Hoyert DL, Maternal mortality and related concepts. National Center for Health Statistics. Vital Health Stat 3 (33). 2007.

⁵ Ibid.

usually transferred from another facility to the LTAC or rehabilitation hospital and have an average stay of 25 days or longer.

Pregnant woman and newborns were analyzed separately from other hospital discharges. This allows for better comparison of the burden of disease between sex and age groups. Pregnant women were defined as any female, with an ICD-9 code between 630-679 or V30-V39 and an age greater than 5 years in their record. Newborns were defined as a record having age = 0 and a social security number of '1111,' which is used to denote newborns, and an ICD-9 code of V30-V39.

Insurance types were grouped into the following categories: Self-pay, Private Insurance (Commercial, HMOs, PPOs, and Health Care Groups), Medicare (including Medicare Risk), AHCCCS/Medicaid, and other (CHAMPUS/TRICARE, Children's Rehab Services, Worker's Compensation, Charity, Foreign National, and other).

Due to the exclusion of federal hospitals, there is the potential to have an underestimation of total discharges for American Indians in this report, because they may have sought care at a federal 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 7.3 Diagnostic Categories and corresponding ICD-9-CM codes

Category of Primary Diagnoses	ICD-9-CM Code
Infectious and parasitic diseases	001–139
Septicemia	38
Neoplasms	140–239
Malignant neoplasms	140–208,230–234
Malignant neoplasm - large intestine & rectum	153–154,197.5
Malignant neoplasm - trachea, bronchus, & lung	162,176.4,197.0,197.3
Malignant neoplasm - breast	174–175,198.81
Benign neoplasms	210–229
Endocrine, nutritional & metabolic diseases, & immunity disorders	240–279
Diabetes mellitus	250
Volume depletion (dehydration)	277
Diseases of the blood and blood-forming organs	280–289
Mental disorders	290–319
Psychoses	290–299
Alcohol dependence syndrome	303
Diseases of the nervous system and sense organs	320–389
Diseases of the circulatory system	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

Category of Primary Diagnoses	ICD-9-CM Code
Diseases of the respiratory system	460–519
Acute bronchitis and bronchiolitis	466
Pneumonia	480-486
Chronic bronchitis	491
Asthma	493
Diseases of the digestive system	520-579
Appendicitis	540–543
Noninfectious enteritis and colitis	555–558
Cholelithiasis	574
Diseases of the genitourinary system	580–629
Calculus of kidney and ureter	592
Complications of pregnancy, childbirth, and the puerperium	630–677
Diseases of the skin and subcutaneous tissue	680–709
Cellulitis and abscess	681–682
Diseases of the musculoskeletal system and connective tissue	710–739
Osteoarthritis and allied disorders	715
Intervertebral disc disorders	722
Congenital anomalies	740–759
Certain conditions originating in the perinatal period	760–779
Symptoms, signs, and ill-defined conditions	780–799
Injury and poisoning	800–999
Fractures, all sites	800–829
Fracture of neck of femur	820
Poisonings	960–989
Other healthcare encounters	990–999

Behavioral (BRFSS) Statistics

Behavioral Risk Factor Surveillance System (BRFSS) data are presented in tables **6.01** through **6.06**.

All data on BRFSS statistics are from data from the Arizona Department of Health Services (ADHS) final annual files. The data presented in this report includes information collected from Maricopa County residents during telephone survey interviews conducted by ADHS. Arizona residents that were interviewed and responded that lived in another Arizona county were not included.

The BRFSS is a state-based, cross-sectional, random telephone survey of household residents aged 18 and older conducted throughout the year. It has been conducted in Arizona since 1982. The BRFSS gathers information on risk factors related to both chronic and infectious diseases.

Tables **6.01** through **6.06** are organized such that similar questions are shown together. Each table lists a short description of the topic for each question and the estimated percent of Maricopa County residents that met the condition, by sex, selected age groups, and selected races. Due to a small sample size for some demographic groups, they are not shown in the tables (i.e., Black, American Indian, and Asian residents are not shown) or are combined into a larger group (i.e., 18-24 and 25-34 year olds are combined into one age group).

Unless otherwise stated below, respondents may respond with either “Yes” or “No” to each question. Respondents can also respond to all questions with “Don’t know/not sure” or they can refuse to answer. Each question reported follows.

In Table **6.01**, questions that are based on self-reported health indicators are shown. *Health Status* is from the question that asks “Would you say that in general your health is: Excellent, Very Good, Good, Fair, or Poor.” Respondents who answered “Excellent,” “Very Good,” or “Good” are reported. *Life Satisfaction* is from the question that asks “In general, how satisfied are you with life; Very Satisfied, Satisfied, Dissatisfied, or Very Dissatisfied.” Respondents who answered “Very Satisfied” or “Satisfied” are reported. *Activity Limited Due to Health Problems* is from the question that asks “Are you limited in any way in any activities because of physical, mental, or emotional problems?” Respondents who answered “Yes” are reported. *BMI: Obese and Overweight* is based on a calculated BMI (body mass index) from the respondent’s given height and weight. Individuals with a BMI over 25 and under 30 are classified as overweight and individuals with a BMI 30 or greater are considered obese. *Fruit and Vegetable Consumption* is calculated based on several questions: “How often do you drink fruit juices such as orange, grapefruit, or tomato?” “How often do you eat fruit, green salad, potatoes, and carrots?” and “Not counting carrots, potatoes or salad, how many servings of vegetables do you usually eat?” Respondents who were calculated as eating 5 or more servings of fruits and vegetables per day are reported. *Seat Belt Use* is from the question “How often do you use seat belts when you drive or ride in a car?” The respondent could answer “Always,” “Nearly Always,” “Sometimes,” “Seldom,” or “Never.” Respondents who answered “Always” are reported.

Table **6.02** shows a list of medical conditions that a medical provider may have told the respondent they have is shown. *Coronary Heart Disease, Heart Attack, Stroke, Diabetes, Asthma, Emphysema, and Prostate Cancer* are from similar questions that ask “Have you ever been told by a doctor that you have...?” Adults that responded “Yes” to each of the medical conditions are reported. *Diabetes* does not include females who only had diabetes during a pregnancy and does not include respondents who stated they have been told they have pre-diabetes or borderline diabetes. *Prostate cancer* includes only males.

In Table **6.03** is a list of behaviors related to alcohol and tobacco. *Binge Drinking* and *Heavy Drinking* are based on several questions. The first question asked “During the past 30 days, have you had at least one drink of any alcoholic beverage such as beer, wine, a malt beverage, or liquor?” If the respondent answered “Yes” they are then asked additional questions. *Binge Drinking* was determined by asking “Considering all types of alcoholic beverages, how many times during the past 30 days did you have X or more drinks on an occasion?” The value of X was 5 if the respondent was male and 4 if the respondent was female. *Binge Drinking* includes residents that had five or more drinks on one occasion for males, or four or more drinks on one occasion for females. *Heavy Drinking* was determined by asking two questions: “During the past 30 days, how many days per week or per month did you have at least one drink of any alcoholic beverage?” and “During the past 30 days, on the days when you drank, about how many drinks did you drink on average.” *Heavy Drinking* includes residents who had more than two drinks per day if male and more than one drink per day if female. *Current Smoker* and *Former Smoker* are based on two questions. The first question is “Have you smoked at least 100 cigarettes in your entire life?” One hundred cigarettes is equivalent to five packs. If they answered “Yes” they were then asked the second question. The second question is “Do you now smoke cigarettes every day, some days, or not at all?” Adults who report smoking “Every day” or “Some days” are categorized as *Current Smoker* while adults who report smoking “Not at all” are categorized as *Former Smoker*.

Table **6.04** lists several types of recommended health screenings that adults may have done during their lifetime. *Ever Had an HIV Test* is from the question “Have you ever been tested for HIV?” Respondents who answered “Yes” are reported, however this question specifies that the HIV test does not include tests performed as part of a blood donation. *Ever Had a Colonoscopy/Sigmoidoscopy Screening* is from the question that asks “Have you ever had either a sigmoidoscopy or colonoscopy?” Current recommendations from the American Cancer Society are that all individuals 50 years or older should either have a colonoscopy every 10 years or a sigmoidoscopy every 5 years for the early detection of colon cancer. Adults 50 years old or older who have ever had either a sigmoidoscopy or colonoscopy are shown. *Ever Had a Mammography Screening* is from the question that asks “Have you ever had a mammogram?”

Current recommendations from the American Cancer Society are that all females 40 years old or older should have a mammogram every two years. Females 40 years old or older who have ever had a mammogram are reported. *Routine Mammography* is from the question “How long has it been since you had your last mammogram?” The respondent may answer “Within past year,” “Within past 2 years,” “Within the past 3 years,” “Within past 5 years,” or “5 or more years ago.” Female respondents 40 years old or older who reported ever having a mammography done and answered “Within past year” or “Within past 2 years” are reported. *Ever Had a Pap Smear* is from the question “Have you ever had a Pap test?” Female respondents that answered “Yes” are reported. This similar to the American Cancer Society recommendation that all females 18 to 30 years old have an annual pap smear and that females over 30 who have had normal pap smear only need to have one every 3 years for the early detection of cervical cancer. *Routine Pap Smear* is from the question “How long has it been since you had your last pap test?” The respondent may answer “Within past year,” “Within past 2 years,” “Within the past 3 years,” “Within past 5 years,” or “5 or more years ago.” Female respondents who reported ever having a Pap test done and answered “Within the past year,” “Within past 2 years,” or “Within past 3 years” are reported. *Ever Had a Prostate Screening* is from the question “Have you ever had a PSA test?” Male respondents 50 years old or older are reported. This meets the American Cancer Society recommendation that males 50 years old or older should have a PSA test done for the early detection of prostate cancer. *Prostate Cancer Screening* is from the question “How long has it been since you had your last PSA test?” The respondent may answer “Within past year,” “Within past 2 years,” “Within the past 3 years,” “Within past 5 years,” or “5 or more years ago.” Male respondents 50 years old or older who reported ever having a PSA test and answered “Within the past year” or “Within the past 2 years” are reported.

Table 6.05 includes adult vaccinations that are recommended by the Advisory Committee for Immunization Practices (ACIP). *Yearly Influenza Vaccine* is from the question “During the past 12 months, have you had a flu shot?” Respondents who said “Yes” are reported. *Pneumonia Vaccine* is from the question “Have you ever had a pneumonia shot?” Respondents who said “Yes” are reported. *Shingles Vaccine* is from the questions “Have you had this [shingles] vaccine?” The shingles vaccine is recommended for adults 60 years old or older and approved for adults 50 years old or older. Respondents 50 years old or older who said “Yes” are reported.

Table 6.06 includes several questions related to the mental health of Maricopa County residents. *Emotional Support* is from the question “How often do you get the social and emotional support you need.” The respondent may answer “Always,” “Usually,” “Sometimes,” “Rarely,” “Never.” The table shows residents that responded “Always” or “Usually.” *Anxiety Disorder* is from the question “Has a doctor or other healthcare provider ever told you that you have an anxiety disorder (including acute stress disorder, anxiety, generalized anxiety disorder, obsessive-compulsive disorder, panic disorder, phobia, posttraumatic stress disorder, or social anxiety disorder)?” Respondents that answered “Yes” are reported. *Depressive Disorder* is from the question “Has a doctor or other healthcare provider ever told you that you have a depressive disorder (including depression, major depression, dysthymia, or minor depression)?” Respondents that answered “Yes” are reported.

Table 6.07 includes questions related to health care coverage and utilization for residents. *Health Care Coverage* is the question that asks “Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicare.” Respondents 18-64 that answered “Yes” are reported due to the majority of 65+ respondents being covered under a government plan such as Medicare. *Time Since Last Routine Checkup* is the question that asks “About how long has it been since you last visited a doctor for a routine checkup, not an exam for a specific injury, illness or condition?” The respondent may answer “Within past year,” “Within past 2 years,” “Within past 5 years,” “5 or more years ago,” or “Never.” Respondents that answered “Within past year” are reported. *Could Not Afford Needed Health Care* is from the question “Was there a time in the past 12 months when you needed to see a doctor but could not because of cost?” Adults that answered “Yes” are shown. *Time Since Last Dental Exam* is from the question “How long has it been since you last visited a Dentist or a dental clinic for any reason? Include visits to dental specialists, such

as orthodontists.” The respondent may answer “Within past year,” “Within past 2 years,” “Within past 5 years,” “5 or more years ago,” “or “Never.” Respondents that answered “Within past year” are reported.

BRFSS data are weighted to account for unequal probabilities of being selected and to adjust the numbers of those selected to reflect the actual state population estimates. Table 7.5 shows the number of individuals who responded in the affirmative (based on the specific answers already described) to the specified criteria. The total number of respondents per demographic group is shown in the first row, next to “Total Observations.” Unweighted N’s are the total number of respondents who answered each question by demographic groups. Weighted N’s are not shown. In 2010, a total 1,301 residents of Maricopa County answered the BRFSS.

Table 7.5 Total Maricopa County Residents by Reported Question-2010 BRFSS

<i>People Fitting Criteria</i>	Male	Female	18-34	35-44	45-54	55-64	65+	White Non-Hispanic	Hispanic	Total
Total Observations	503	798	131	160	227	287	496	1,028	155	1,301
General Health Status	408	644	121	138	185	231	377	854	100	1,052
Life Satisfaction	447	709	112	146	192	143	463	924	132	1,156
Activity Limitations	128	215	12	24	42	90	175	299	22	
BMI-Overweight	248	255	43	65	85	108	202	412	52	503
BMI-Obese	113	166	25	35	56	73	90	214	47	279
Fruit and Vegetables	105	226	32	32	47	71	149	271	27	331
Seat Belt	431	707	105	142	196	248	447	909	135	1,138
Coronary Heart Disease	46	39	0	1	2	19	63	78	3	85
Heart Attack	48	39	1	1	8	17	60	77	6	87
Stroke	26	35	2	1	2	9	47	51	8	61
Diabetes	64	86	1	6	20	48	75	105	30	150
Emphysema	15	21	1	1	3	9	22	31	2	36
Prostate Cancer	25	NA	0	0	0	1	24	19	3	25
Binge Drinking	79	55	29	25	37	26	17	101	26	134
Heavy Drinking	15	43	5	6	14	13	20	52	4	58
Current Smoker	74	94	24	19	37	35	53	135	20	168
Former Smoker	189	235	22	34	57	95	216	360	31	424
Ever had HIV Test	96	170	65	81	63	57	0	168	53	266
Ever had Colonoscopy	225	370	NA	NA	58	175	362	536	36	595
Ever had Mammogram	NA	640	12	60	118	156	294	532	67	640
Last Mammogram	NA	477	NA	22	99	120	236	405	44	477
Ever had Pap Smear	NA	397	67	76	83	81	90	301	57	397
Last Pap Smear	NA	397	67	76	83	81	90	301	57	397
Ever had PSA	298	NA	NA	14	53	80	151	264	20	298
Last PSA	251	NA	NA	12	45	60	134	224	17	251
Influenza Vaccine	220	399	35	48	72	130	334	529	52	619
Pneumonia Vaccine	178	340	24	19	39	92	344	447	38	518
Shingle Vaccine	31	78	0	0	1	15	93	103	5	109
Emotional Support	354	608	100	121	172	212	357	790	95	962
Anxiety Disorder	50	105	19	24	32	39	41	126	17	155
Depressive Disorder	67	151	24	25	51	53	65	185	20	218
Health Care Coverage	281	402	107	128	203	245	NA	519	87	683
Last Checkup	344	608	87	96	150	201	418	762	102	952
Unable to Afford Health Care	42	86	14	27	29	34	24	71	39	128
Last Dental Exam	351	563	88	110	158	201	357	761	83	914

For more information on the BRFSS visit the CDC's BRFSS website: <http://www.cdc.gov/brfss/index.htm> or Arizona Behavioral Risk Factor Survey at: <http://www.azdhs.gov/plan/brfs/>.

Healthy People 2010 Goals

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

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

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

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

More Information

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

- Maricopa County Department of Public Health: http://www.maricopa.gov/Public_Health/
- Arizona Department of Health Services: www.hs.state.az.us
- Centers for Disease Control and Prevention, National Center for Health Statistics: www.cdc.gov/nchs
- Department of Economic Security: <https://www.azdes.gov/aspnew/default.asp>
- United States Census Bureau: [Census Bureau Homepage](http://www.census.gov)