

ARIZONA DEPARTMENT OF HEALTH SERVICES  
**Border Region Health Profile**  
 Office of Border Health

SELECTED INDICATORS  
 2009

**Population<sup>1</sup>**

County	Total Population			Less than 15 years			65 years and over		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Cochise	141,809	49.4%	50.6%	28,766	50.9%	49.1%	23,422	46.9%	53.1%
Pima	101,8012	48.9%	51.1%	202,274	51.2%	48.8%	148,640	43.2%	56.8%
Santa Cruz	47,490	47.2%	52.8%	12,183	50.8%	49.2%	5,634	44.1%	55.9%
Yuma	204,469	49.6%	50.4%	49,387	51.1%	48.9%	36,270	47.7%	52.3%
<b>Border Total</b>	<b>141,1780</b>	<b>49.0%</b>	<b>51.0%</b>	<b>292,610</b>	<b>51.1%</b>	<b>48.9%</b>	<b>213,966</b>	<b>44.4%</b>	<b>55.6%</b>
Arizona	6,595,778	50.1%	49.9%	1,434,985	51.2%	48.8%	857,273	44.8%	55.2%

  

County	Total	Less than 1 year old	1-14 years	15-44 years	45-64 years	65 years and older
Cochise	141,809	1.3%	19.0%	37.3%	25.9%	16.5%
Pima	1,018,012	1.3%	18.6%	41.1%	24.4%	14.6%
Santa Cruz	47,490	1.6%	24.1%	39.1%	23.4%	11.9%
Yuma	204,469	1.6%	22.6%	38.9%	19.2%	17.7%
<b>Border Total</b>	<b>1,411,780</b>	<b>1.3%</b>	<b>19.4%</b>	<b>40.3%</b>	<b>23.8%</b>	<b>15.2%</b>
Arizona	6,595,778	1.4%	20.4%	42.2%	23.0%	13.0%

**Population growth**

County	Birth Rate <sup>2</sup> per 1,000	Fertility Rate <sup>3</sup> per 1,000	Mortality Rate <sup>4</sup> per 1,000	Rates of Natural Increase <sup>5</sup>
Cochise	13.0	71.0	7.9	5.1
Pima	12.6	61.7	7.9	4.7
Santa Cruz	16.0	76.7	6.0	10.0
Yuma	15.8	82.6	6.4	9.4
<b>Arizona</b>	<b>14.0</b>	<b>68.9</b>	<b>6.8</b>	<b>7.2</b>

Data Sources: <sup>1-5</sup>Arizona Department of Health Services, Arizona Health Status and Vital Statistics 2009 Report  
<sup>1</sup>Table 10A-1; <sup>2</sup>Table 5B-2; <sup>3</sup>Table 5A-1; <sup>4</sup>Table 5E-4; <sup>5</sup>Table 5B-1

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**Natality**

County	Births <sup>6</sup>	Mothers <15 years <sup>6</sup>	Mothers 15-17 years <sup>6</sup>	Unmarried Mothers <sup>7</sup>	Low Birth Weight <sup>8</sup>	Prenatal Care Began in 3rd Trimester or No Care <sup>9</sup>
Cochise	1,846	1	74	727	152	113
Pima	12,840	18	479	5,854	895	963
Santa Cruz	761	0	35	357	73	81
Yuma	3,234	11	180	1,478	188	565
<b>Border Total</b>	<b>18,681</b>	<b>30</b>	<b>768</b>	<b>8,416</b>	<b>1,308</b>	<b>1,722</b>
Arizona	92,616	132	3,501	41,856	6,573	4,835

**Infant/ Childhood/ Adolescents Mortality\***

	Infant Deaths <sup>10</sup>	Childhood Deaths (1-14 years) <sup>11</sup>	Adolescent Deaths (15-19 years) <sup>12</sup>	Total
Cochise	10	6	6	22
Pima	81	39	34	154
Santa Cruz	4	0	5	9
Yuma	20	4	4	28
<b>Border Total</b>	<b>115</b>	<b>49</b>	<b>49</b>	<b>213</b>
Arizona	547	271	255	1,073

**Total Injury Deaths<sup>13</sup>**

All Ages	Motor Vehicle Crashes	Suicide
Cochise	24	28
Pima	111	172
Santa Cruz	5	8
Yuma	27	23
<b>Border Total</b>	<b>167</b>	<b>231</b>
Arizona	771	1,060

Data Sources: <sup>6-13</sup>Arizona Department of Health Services, Health Status and Vital Statistics 2009 Report  
<sup>6</sup>Table 5B-9; <sup>7</sup>Table 5B-14; <sup>8</sup>Table 5B-16; <sup>9</sup>Table 5B-11; <sup>10</sup>Table 5E-16; <sup>11</sup>Table 5e-25; <sup>12</sup>Table 5E-27; <sup>13</sup>Table 5E-12  
 \*All Causes

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**Common Morbidities**

*Infectious Diseases<sup>14</sup>*

<b>Morbidity</b>	<b>Border Total</b>	<b>Cochise</b>	<b>Pima</b>	<b>Santa Cruz</b>	<b>Yuma</b>	<b>Arizona</b>
Chlamydia	5,062	418	3,833	111	700	23,329
Coccidioidomycosis	1,385	39	1,320	14	12	10,233
Gonorrhea	480	30	370	5	75	2,926
Salmonellosis	308	16	249	11	32	1,079
Syphilis-Total	272	5	244	2	21	999
Genital Herpes	247	16	198	0	33	598
Invasive MRSA (Methicillin Resistant S. aureus)	210	10	191	3	6	1,171
Campylobacteriosis	195	22	139	5	29	877
Invasive Streptococcus pneumoniae	174	17	147	5	5	907
Shigellosis	131	10	75	6	40	806
Total TB	49	1	26	1	21	232
Aseptic Meningitis	40	6	34	0	0	516

*Behavioral Risk Factors taken from the Behavioral Risk Factor Surveillance System (BRFSS)<sup>15</sup>*

<b>Prevalence</b>	<b>Cochise</b>	<b>Pima</b>	<b>Santa Cruz</b>	<b>Yuma</b>	<b>Arizona</b>
Told had diabetes by a doctor*	6.2%	8.7%	6.2%	12.9% <sup>§</sup>	8.6%
Obese (BMI greater than or equal to 30.0)	27.7%	28.3%	26.6%	29.0%	25.9%
Told had a heart attack by a doctor*	5.7%	3.9%	2.4%	3.9%	4.4%
Told had high blood pressure by a doctor*	29.9%	27.4%	22.0%	32.1%	26.6%
Current smokers	20.8%	16.9%	19.1%	10.0%	16.1%

The Behavioral Risk Factor Surveillance System (BRFSS) is a yearly state based-based telephone survey that is performed throughout the United States. The BRFSS survey relies on sample of telephone interviews to non-institutionalized populations from the state and certain segments of the population may be underrepresented. The nature of self-reported data from BRFSS is subject to recall bias, and may be over-reported or underreported. The collected data were compiled and weighted by the Centers for Disease Control and Prevention. Weighted counts were based on the Arizona population to accurately reflect the population demographics. The weighting factor considered the number of adults and telephone lines in the household, cluster size, stratum size, and age/race/sex/distribution of the general population.<sup>15</sup>

Data Sources: <sup>14</sup>[Arizona Department of Health Services, Health Status and Vital Statistics 2009 Report, Table 5F-1](#)  
<sup>15</sup>[Arizona Department of Health Services, Arizona Behavioral Risk Factor Survey: Annual Reports 2009](#)

\* Based on the nature of this survey, all diagnoses are self-reported and limited to the person's belief that they were told they had any of these diagnoses by a doctor, nurse, or other healthcare provider.

§Significantly higher than AZ percentage- Comparisons between responses within demographic categories were analyzed for statistical significance at the alpha = .05 level. Statistical difference is noted when analysis provides 95 percent confidence that the categories described are different.

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**Cancer<sup>16</sup>**

Type of Cancer	Border Total	Cochise	Pima	Santa Cruz	Yuma	Arizona
Lung Cancer*	875	82	635	26	132	3,813
Breast Cancer	856	86	641	26	103	4,052
Prostate Cancer	590	48	449	18	75	3,377
Colorectal Cancer	585	59	429	23	74	2,501
Cervical Cancer**	235	16	184	9	26	999
Stomach Cancer	94	8	69	3	14	359

**Leading Causes of Death<sup>17</sup>**

	Border Total	Cochise	Pima	Santa Cruz	Yuma	Arizona
<b>1 Malignant Neoplasms</b>	<b>2,496</b>	<b>244</b>	<b>1,881</b>	<b>76</b>	<b>295</b>	<b>10,147</b>
<i>Trachea, Bronchus, Lung</i>	<i>642</i>	<i>62</i>	<i>474</i>	<i>20</i>	<i>86</i>	<i>2,691</i>
<i>Colon, Rectum, Anus</i>	<i>217</i>	<i>27</i>	<i>153</i>	<i>4</i>	<i>33</i>	<i>887</i>
<i>Breast</i>	<i>191</i>	<i>15</i>	<i>139</i>	<i>6</i>	<i>31</i>	<i>716</i>
<i>Prostate</i>	<i>136</i>	<i>7</i>	<i>110</i>	<i>7</i>	<i>12</i>	<i>551</i>
<b>2 Diseases of the Heart</b>	<b>2,466</b>	<b>288</b>	<b>1,848</b>	<b>55</b>	<b>275</b>	<b>10,151</b>
<i>Ischemic Heart Disease</i>	<i>1696</i>	<i>211</i>	<i>1,250</i>	<i>38</i>	<i>197</i>	<i>7,372</i>
<b>3 Chronic Lower Respiratory Diseases</b>	<b>671</b>	<b>66</b>	<b>499</b>	<b>11</b>	<b>95</b>	<b>2,808</b>
<b>4 Accidents</b>	<b>608</b>	<b>67</b>	<b>453</b>	<b>13</b>	<b>75</b>	<b>2,887</b>
<i>Motor Vehicle</i>	<i>167</i>	<i>24</i>	<i>111</i>	<i>5</i>	<i>27</i>	<i>771</i>
<b>5 Cerebrovascular Disease</b>	<b>542</b>	<b>59</b>	<b>392</b>	<b>18</b>	<b>73</b>	<b>2,010</b>
<b>6 Alzheimer's Disease</b>	<b>305</b>	<b>34</b>	<b>246</b>	<b>10</b>	<b>15</b>	<b>2,086</b>
<b>7 Diabetes</b>	<b>286</b>	<b>30</b>	<b>203</b>	<b>11</b>	<b>42</b>	<b>1,078</b>
<b>8 Influenza and Pneumonia</b>	<b>249</b>	<b>24</b>	<b>177</b>	<b>6</b>	<b>42</b>	<b>1,007</b>
<b>9 Suicide</b>	<b>231</b>	<b>28</b>	<b>172</b>	<b>8</b>	<b>23</b>	<b>1,060</b>
<b>10 Chronic Liver Disease and Cirrhosis</b>	<b>196</b>	<b>21</b>	<b>149</b>	<b>6</b>	<b>20</b>	<b>818</b>

Data Sources: <sup>16</sup> Arizona Department of Health Services, Arizona Cancer Registry Queries accessed through [http://healthdata.az.gov/query/module\\_selection/azcr/AzCRSelection.html](http://healthdata.az.gov/query/module_selection/azcr/AzCRSelection.html)

\*Lung and Bronchus Cancer

\*\*Corpus Uteri, Uterus, NOS, and Cervix Uteri cancer; excluded ovarian cancer

<sup>17</sup>Arizona Department of Health Services, Health Status and Vital Statistics 2009 Report, Table 5E-12