

Maternal and Infant Health Profile

Arizona Border Region (Mexico Border)

The Arizona border region is comprised of the four counties in Arizona located on the border with Mexico.

In an average week in the Arizona border region

374	32	44	28	3
babies are born	babies are born to mothers receiving late or no prenatal care	babies are born preterm	babies are born low birthweight	babies die before reaching their first birthday

Table 1 Maternal and Infant Health Indicators, 2008 (Births) and 2007 (Infant Mortality)

Indicator	AZ Border Region Counties		Arizona Total	U.S. Total
	Number	Rate		
Birth Rate (<i>per 1,000 women 15-44 years</i>)	19,465	72.7 per 1,000	77.4 per 1,000	68.6 per 1,000
Population of Women 15-44 years	267,626	---	1,284,989	61,918,946
<i>Prenatal Care (percent of live births)</i>				
Early Prenatal Care	13,825	71.2%	79.5%	82.8%*
Late/No Prenatal Care	1,666	8.6%	5.3%	3.6%*
Adequate/Adequate+ Prenatal Care	12,719	65.3%	70.1%	75.3%*
Inadequate Prenatal Care	4,066	20.9%	14.6%	11.4%*
<i>Preterm (percent of live births)</i>				
Late Preterm	1,676	8.6%	9.5%	8.8%
Very Preterm	361	1.9%	1.8%	2.0%
<i>Low Birthweight (percent of live births)</i>				
Very Low Birthweight	246	1.3%	1.2%	1.5%
Cesarean Deliveries (<i>percent of live births</i>)	5,143	26.6%	27.1%	32.3%
<i>Multiple Births (percent of live births)</i>				
Multiple Births	591	3.0%	2.9%	3.4%
<i>Infant Mortality, All Causes (per 1,000 live births)</i>				
Infant Mortality, All Causes	146	7.4	6.9	6.8
<i>Birth Defects (per 100,000 live births)</i>				
Birth Defects	29	145.5	156.3	134.9
<i>Prematurity/Low Birthweight (per 100,000 live births)</i>				
Prematurity/Low Birthweight	21	104.2	94.0	112.7
<i>Sudden Infant Death Syndrome (per 100,000 live births)</i>				
Sudden Infant Death Syndrome	13	68.2	46.2	57.0

- In 2008, 19,465 babies were born in the Arizona border region, a birth rate of 72.7 per 1,000 women ages 15-44.
- In 2008, there were 2,323 preterm births in the Arizona border region (11.9% of live births).
- About 1 in 13 babies (7.4%) of live births in the Arizona border region was low birthweight in 2008.
- Cesarean deliveries accounted for 26.6% of live births in the Arizona border region.
- In the Arizona border region in 2007, 146 babies died before reaching their first birthday, an infant mortality rate of 7.4 per 1,000 live births.

Table 2 Indicators by Maternal Race/Ethnicity and Maternal Age, 2006-2008 (Births) and 2005-2007 (Infant Mortality)

Indicator	AZ Border Region Counties	Arizona Total	U.S. Total
Birth Rates (per 1,000 women 15-44 years)			
Total	74.9	80.0	68.9
Hispanic	93.8	106.3	100.8
Non-Hispanic White	56.4	61.9	59.1
15-19 years	54.6	59.8	42.0
20-29 years	121.2	130.5	110.8
30-39 years	69.0	73.1	72.0
40+ years	9.0	10.2	10.2
Early Prenatal Care (percent of live births)			
Total	71.3%	78.3%	n/a
Hispanic	66.2%	71.4%	n/a
Non-Hispanic White	79.3%	86.8%	n/a
<20 years	58.7%	65.2%	n/a
20-29 years	71.1%	77.8%	n/a
30-39 years	77.4%	84.3%	n/a
40+ years	72.1%	81.4%	n/a
Late/No Prenatal Care (percent of live births)			
Total	8.8%	5.8%	n/a
Hispanic	11.4%	7.9%	n/a
Non-Hispanic White	4.9%	2.9%	n/a
<20 years	12.8%	8.9%	n/a
20-29 years	8.9%	5.9%	n/a
30-39 years	6.7%	4.1%	n/a
40+ years	9.7%	5.6%	n/a
Preterm (percent of live births)			
Total	12.2%	12.9%	12.6%
Hispanic	12.8%	13.2%	12.2%
Non-Hispanic White	10.7%	11.9%	11.4%
<20 years	13.5%	14.4%	14.5%
20-29 years	11.4%	12.1%	12.0%
30-39 years	13.0%	13.3%	12.6%
40+ years	17.0%	18.6%	17.1%
Low Birthweight (percent of live births)			
Total	7.3%	7.1%	8.2%
Hispanic	7.2%	6.7%	7.0%
Non-Hispanic White	6.7%	6.9%	7.3%
<20 years	8.0%	7.9%	9.9%
20-29 years	6.6%	6.6%	7.8%
30-39 years	8.1%	7.4%	8.0%
40+ years	9.4%	10.8%	11.6%
Cesarean Deliveries (percent of live births)			
Total	24.9%	26.3%	31.7%
Hispanic	24.2%	24.4%	30.4%
Non-Hispanic White	25.9%	28.2%	31.9%
<20 years	16.5%	17.7%	22.6%
20-29 years	22.7%	24.1%	29.0%
30-39 years	32.0%	32.8%	37.6%
40+ years	40.1%	41.5%	48.1%

Indicator	AZ Border Region Counties	Arizona Total	U.S. Total
Multiple Births (percent of live births)			
Total	2.9%	2.8%	3.4%
Hispanic	2.7%	2.3%	2.3%
Non-Hispanic White	3.1%	3.4%	3.8%
<20 years	1.6%	1.3%	1.6%
20-29 years	2.3%	2.4%	2.8%
30-39 years	4.4%	4.0%	4.6%
40+ years	5.7%	5.9%	7.0%
Infant Mortality (per 1,000 live births)			
Total	7.5	6.7	6.8
Hispanic	6.8	6.5	5.5
Non-Hispanic White	7.8	6.2	5.7
<20 years	10.9	8.9	9.9
20-29 years	7.0	6.6	6.8
30-39 years	6.6	5.7	5.6
40+ years	12.2	9.7	8.1

Table 3 Border County-Specific Data, 2005-2008 Average

County	Birth Rate (per 1,000 women 15-44 years)	Early Prenatal Care (% of live births)	Late/No Prenatal Care (% of live births)	Preterm (% of live births)	Low birthweight (% of live births)	Cesarean deliveries (% of live births)
Cochise	79.2	82.5	5.2	11.0	8.3	25.2
Pima	69.7	72.1	8.2	12.5	7.3	24.0
Santa Cruz	88.9	67.6	10.6	11.5	6.9	28.1
Yuma	94.4	63.5	14.1	12.3	6.2	26.4
AZ Border Region Counties	74.5	71.5	9.0	12.3	7.2	24.7
Arizona Total	79.8	78.1	5.9	13.0	7.1	25.9
U.S. Total	68.3	n/a	n/a	12.6	8.2	31.4

Notes and Sources:

* = U.S. rate is for the 23 states and the District of Columbia with 1989 Revision of the U.S. Standard Certificate of Live Birth in 2008 (35% of all live births).

** = Indicates less than ten events or missing data. Not able to calculate a reliable rate.

n/a = Rate is not available due to incompatibility in prenatal care data between 2005 and 2008. Not able to calculate an average rate.

Prenatal care data for Arizona based on the 1989 Revision of the U.S. Standard Certificate of Live Birth.

Early care is pregnancy-related care beginning in the 1st trimester. Late/no care is care beginning in the 3rd trimester to when no care was received at all.

Adequate/adequate plus care is care beginning in the first four months of pregnancy with the appropriate number of visits for the infant's gestational age.

Inadequate care is care beginning the 5th month or later or less than 50% of the appropriate number of visits for the infant's gestational age.

Preterm birth is <37 completed weeks gestation. Late preterm birth is 34-36 completed weeks gestation. Very preterm birth is <32 completed weeks gestation.

Low birthweight is <2,500 grams (5 1/2 pounds). Very low birthweight is <1,500 grams (3 1/3 pounds).

Infant mortality is death occurring within the first year of life.

For more information on calculations and definitions, please see marchofdimes.com/peristats/calculations.aspx.

Sources: National Center for Health Statistics, final natality data and linked birth/infant death data. US Census Bureau: Population estimates based on bridged race categories released by the National Center for Health Statistics.

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