

# Colorado Profile 2005

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## Colorado Profile 2005

### *Adolescent Health Measures Profile*

#### **Teen fertility rate 15-17**

(National Performance Measure 8)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
7,083	280,788	25.2	43.0

The measure is the rate of births per 1,000 teenagers aged 15 through 17 years, for 2001-2003. The numerator is the total number of births to teens in 2001, 2002, and 2003. The denominator is the sum of the estimated population of females ages 15-17 for 2001, 2002, and 2003. The result is multiplied by 1,000 to yield the rate. The rate shown can be viewed as the average rate for each of the three years. The HP 2010 goal refers to pregnancies, not births. The Colorado FY 2005 goal is 28 births per 1,000 teens.

**Source:** Numerator: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator: Demography Section, Colorado Department of Local Affairs.

### *Adolescent Health Measures Profile*

#### **Suicide death rate 15-19**

(National Performance Measure 16)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
189	1,613,509	11.7	5.0

The measure is the rate of suicide deaths per 100,000 teenagers aged 15-19, for 1999-2003. The numerator is the total number of deaths in 1999, 2000, 2001, 2002, and 2003. The denominator is the sum of the estimated population ages 15-19 for 1999, 2000, 2001, 2002, and 2003. The result is multiplied by 100,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years.

**Source:** Numerator: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator: Demography Section, Colorado Department of Local Affairs.

### *Adolescent Health Measures Profile*

#### **Motor vehicle death rate 15-19**

(State Performance Measure 5)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
294	1,002,890	29.3	9.2

The measure is the rate of deaths per 100,000 adolescents aged 15-19 caused by motor vehicle crashes for 2001-2003. The numerator is the total number of deaths in 2001, 2002, and 2003. The denominator is the sum of the estimated population ages 15-19 for 2001, 2002, and 2003. The result is multiplied by 100,000 to yield the rate. The rate shown can be viewed as the average rate for each of the three years.

**Source:** Numerator: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator: Demography Section, Colorado Department of Local Affairs.

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## *Adolescent Health Measures Profile*

### **Teen homicide rate 15-19**

(State Performance Measure 10)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
109	1,613,509	6.8	3.0

The measure is the rate of homicides among teens 15-19 per 100,000 teens, for 1999-2003. The numerator is the sum of all homicides in 1999, 2000, 2001, 2002 and 2003; the denominator is the sum of the estimated population ages 15-19 for 1999, 2000, 2001, 2002, and 2003. The result is multiplied by 100,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years.

**Source:** Numerator: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator: Demography Section, Colorado Department of Local Affairs.

## *Child Health Measures Profile*

### **Percent of children who are obese**

(State Performance Measure 12)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
4,771	50,755	9.4	5.0

The measure is the percent of WIC participants age 2-5 who are obese, for the year 2003. The numerator is all WIC children (between the ages of 2 and 5) whose weight for height is greater than the 95th percentile. The denominator is all WIC participants between the ages of 2 and 5.

**Source:** CDC Pediatric Nutrition Surveillance System, Colorado WIC/Nutrition Program, Colorado Department of Public Health and Environment

## *Child Health Measures Profile*

### **Child abuse rate**

(State Performance Measure 3)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
10,542	1,171,999	9.0	10.3

The measure is the incidence of maltreatment of children younger than 18 (including physical abuse, sexual abuse, emotional abuse, and/or neglect) in Federal Fiscal Year 2004 (October 1, 2003-September 30, 2004). The value shown reflects the number of unique substantiated cases per 1,000 children less than 18 years of age.

**Source:** Numerator: Colorado Central Registry, Colorado Department of Human Services. Denominator: Demography Section, Colorado Department of Local Affairs.

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## *Child Health Measures Profile*

### **Motor vehicle death rate 0-14**

(National Performance Measure 8)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
134	2,861,454	4.7	9.2

The measure is the rate of deaths per 100,000 children aged 0-14 caused by motor vehicle crashes, for 2001-2003. The numerator is the sum of all deaths among children age 0 through 14 in 2001, 2002, and 2003. The denominator is the sum of the estimated population of children ages 0 through 14 for 2001, 2002, and 2003. The rate shown can be viewed as the average rate for each of the three years. The HP2010 goal is for all ages, not specifically for 0-14.

**Source:** Numerator: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator: Demography Section, Colorado Department of Local Affairs.

## *Child Health Measures Profile*

### **Injury hospitalization rate 0-19**

(State Performance Measure 14)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
19,448	6,301,712	308.6	N/A

The measure is the rate of hospitalization for injuries per 100,000 children age 0 through 19 for the period 1999-2003. The numerator is the sum of all hospitalizations for injuries in 1999, 2000, 2001, 2002, and 2003. The denominator is the sum of the estimated population ages 0 through 19 for 1999, 2000, 2001, 2002, and 2003. The result is multiplied by 100,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years. While there is no HP 2010 goal for the measure, the Colorado FY 2005 goal is 251.0.

**Source:** Injury Epidemiology, Prevention Services Division, Colorado Department of Public Health and Environment.

## *Child Health Measures Profile*

### **Child death rate 1-14**

(National Outcome Measure 6)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
930	4,363,670	21.3	N/A

The measure is the rate of child deaths per 100,000 children aged 1-14, 1999-2003. The numerator is the sum of all child deaths among children ages 1 through 14 in 1999, 2000, 2001, 2002, and 2003; the denominator is the sum of the estimated population ages 1 through 14 for 1999, 2000, 2001, 2002, and 2003. The result is multiplied by 100,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years. While there is no HP 2010 goal for the measure, the Colorado 2005 goal is 20.3.

**Source:** Numerator: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator: Demography Section, Colorado Department of Local Affairs.

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### *Child Health Measures Profile*

#### **Percent of students with access to school-based health care** (State Performance Measure 7)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
83,668	757,668	11.0	N/A

The measure is the proportion of children and adolescents attending public schools who have access to basic preventive and primary, physical and behavioral health services through school-based health centers, Fall 2003. The numerator is the number of children in schools that have school-based health centers. The denominator is the number of children in public schools. The result is multiplied by 100 to yield a percent. While there is no HP 2010 goal for the measure, the Colorado FY 2005 goal is 8.75 percent.

**Source:** The Colorado School-Based Health Center Initiative, Prevention Services Division, Colorado Department of Public Health and Environment and the Colorado Department of Education

### *Children with Special Health Care Needs Measures Profile*

#### **Percent of HCP clients with insurance** (National Performance Measure 11)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
4,960	7,862	63.1	N/A

The measure is the percent of children with special health care needs in the state Health Care Program for Children with Special Needs Program who have a source of insurance for primary and specialty care, FY 2004. The numerator is the number of children statewide in the program who have insurance; the denominator is the total number of children statewide in the program. While there is no HP 2010 goal for this measure, the Colorado FY 2005 goal is 75.0 percent. No data for FY 2004 are available at the county level on this measure; data are missing in many cases. The HCP program has discontinued direct services, and insurance and payment information are no longer collected. Insurance information that was collected in FY 2004 is by self-report.

**Source:** Health Care Program for Children with Special Needs, Prevention Services Division, Colorado Department of Public Health and Environment.

### *Children with Special Health Care Needs Measures Profile*

#### **Family participation degree** (National Performance Measure 14)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	15	N/A

The measure is the degree to which the state assures family participation in program and policy activities in the state CSHCN program in FY 03-04, on a scale of 0 to 18 points. While there is no HP 2010 goal for this measure, the Colorado FY 2005 goal is 18 points.

**Source:** Health Care Program for Children with Special Needs, Prevention Services Division, Colorado Department of Public Health and Environment.

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### *Infant Health Measures Profile*

#### **Percent of newborns screened for hearing** (National Performance Measure 10)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
67,329	69,304	97.2	N/A

The measure is the percent of newborns who were screened for hearing impairment before hospital discharge in calendar year 2003. The numerator is the number of newborns that underwent the newborn hearing screen at birth; the denominator is the number of live births to residents. While there is no HP 2010 goal for this measure, the Colorado FY 2005 goal is 95.0 percent.

**Source:** Numerator: Newborn Hearing Screening Program, Prevention Services Division, Colorado Department of Public Health and Environment. Denominator: Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Infant Health Measures Profile*

#### **Percent of births that are very low birth weight** (National Performance Measure 15)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
2,657	204,678	1.3	0.9

The measure is the percent of very low birth weight live births (births weighing less than 1500 grams, or 3 pounds, 4 ounces or less) for 2001-2003. The numerator is the total number of very low birth weight births in 2001, 2002, and 2003. The denominator is the sum of all live births in 2001, 2002, and 2003. The result is multiplied by 100 to yield the rate (percent). Births with unknown weights are excluded. The rate shown can be viewed as the average rate for each of the three years.

**Source:** Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Infant Health Measures Profile*

#### **Percent of births that are low birth weight** (State Outcome Measure 1)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
18,153	204,678	8.9	5.0

The measure is the low birth weight rate for 2001-2003. The numerator is the sum of the low birth weight (under 2500 grams or 5 pounds, 8 ounces, or less) live births in 2001, 2002, and 2003; the denominator is the sum of all of live births in 2001, 2002, and 2003. The result is multiplied by 100 to yield the percent. Births with unknown weights are excluded. The rate shown can be viewed as the average rate for each of the three years.

**Source:** Health Statistics and Vital Records, Colorado Department of Public Health and Environment

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### *Infant Health Measures Profile*

#### **Percent of very low birth weight births born in Level III hospitals** (State Performance Measure 17)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
3,135	4,251	73.7	90.0

The measure is the percent of very low birth weight infants delivered at facilities considered to be appropriate for high-risk deliveries and neonates (Level IIIs).

The numerator is the sum of all very low birth weight infants (births weighing less than 1500 grams, or 3 pounds, 4 ounces or less) delivered at a Level III hospital in 1999, 2000, 2001, 2002 and 2003; the denominator is the total number of very low birth weight infants in the same five years. The result is multiplied by 100 to yield the percent.

The Level III hospitals include Swedish, Denver Health, Rose, Porter, St. Joseph's, Presbyterian St. Luke's, University Hospital, and Memorial Hospital in Colorado Springs.

**Source:** Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Infant Health Measures Profile*

#### **Infant mortality rate** (National Outcome Measure 1)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
2,036	332,301	6.1	4.5

The measure is the infant mortality rate per 1,000 live births, 1999-2003. The numerator is the sum of all infant (under one year of age) deaths in 1999, 2000, 2001, 2002 and 2003. The denominator is the total number of live births in the same five years. The result is multiplied by 1,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years.

**Source:** Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Infant Health Measures Profile*

#### **Neonatal mortality rate** (National Outcome Measure 3)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
1,410	332,301	4.2	2.9

The measure is the neonatal mortality rate per 1,000 live births, 1999-2003. The numerator is the sum of all neonatal deaths (deaths occurring in the first 28 days of life) in 1999, 2000, 2001, 2002 and 2003. The denominator is the total number of live births in the same five years. The result is multiplied by 1,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years.

**Source:** Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

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### *Infant Health Measures Profile*

#### **Black /White infant mortality ratio** (National Performance Measure 10)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
17.9	5.6	3.2	N/A

The measure is the ratio of the black infant mortality rate to the white infant mortality rate, for 1999-2003. The numerator is the black infant mortality rate. The denominator is the white infant mortality rate. The black rate is then divided by the white rate to yield a ratio. The ratio is based on data for the 5-year time period 1999-2003. A value greater than 1.0 indicates relatively more black infant deaths than white infant deaths. While there is no HP 2010 goal for the measure, the Colorado goal for 2005 is 1.9.

Source: Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Infant Health Measures Profile*

#### **Postneonatal mortality rate** (National Outcome Measure 4)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
626	332,301	1.9	1.2

The measure is the postneonatal mortality rate per 1,000 live births, 1999-2003. The numerator is the sum of all postneonatal deaths (deaths occurring after 28 days of life but before one year of age) in 1999, 2000, 2001, 2002, and 2003. The denominator is the total number of live births in the same five years. The result is multiplied by 1,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years.

Source: Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Oral Health Measures Profile*

#### **Percent with caries experience**

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	57.0	42.0

The measure is the estimated percent of children in grade 3 in 2004 with caries history. Caries experience, represented by a missing tooth or presence of a cavity or a filling, indicates that opportunities for primary prevention may have been missed. Dental caries is the single most common chronic disease of childhood. The data come from the Oral Health Surveillance System. Numerators and denominators are not provided. Estimates are based on the oral health of children examined in a number of Colorado counties and the proportion of schools in each county with students eligible at varying levels for the free and reduced lunch program.

Source: Oral Health Program, Rural and Primary Health Section, Prevention Services Division, Colorado Department of Public Health and Environment.



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### *Oral Health Measures Profile* **Percent with dental sealants** (National Performance Measure 9)

Numerator	Denominator	Colorado Measure	HP 2010 Goal
N/A	N/A	34.9	50.0

The measure is the estimated percent of children in grade 3 with a dental sealant on at least one tooth in 2004. Dental sealants are plastic coatings applied to decay-susceptible tooth surfaces (the pits and fissures). The data come from the Oral Health Surveillance System. Numerators and denominators are not provided. Estimates are based on the oral health of children examined in a number of Colorado counties and the proportion of schools in each county with students eligible at varying levels for the free and reduced lunch program.

**Source:** Oral Health Program, Rural and Primary Health Section, Prevention Services Division, Colorado Department of Public Health and Environment.

### *Oral Health Measures Profile* **Percent with untreated decay**

Numerator	Denominator	Colorado Measure	HP 2010 Goal
N/A	N/A	25.9	21.0

The measure is the estimated percent of children in grade 3 with untreated tooth decay in 2004. For children, untreated decay can result in chronic pain and early tooth loss, inability to concentrate at school or absence from school, reduced self-esteem, and psychosocial problems. The data come from the Oral Health Surveillance system. Numerators and denominators are not provided. Estimates are based on the oral health of children examined in a number of Colorado counties and the proportion of schools in each county with students eligible at varying levels for the free and reduced lunch program. This measure is not a national or state performance measure at this time, but all states are collecting data.

**Source:** Oral Health Program, Rural and Primary Health Section, Prevention Services Division, Colorado Department of Public Health and Environment.

### *Oral Health Measures Profile* **Medicaid dental services rate** (State Performance Measure 8)

Numerator	Denominator	Colorado Measure	HP 2010 Goal
102,364	329,127	31.1	57.0

The measure is the percent of children on Medicaid who received dental services during FY 04. The numerator is the number of children on Medicaid who obtained dental services, and the denominator is the total number of children that received Medicaid. The result is expressed as a percent.

**Source:** Colorado Department of Health Care Policy and Financing.

## Colorado Profile 2005

### *Perinatal Health Measures Profile*

#### **Percent of births that are unintended** (State Performance Measure 2)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	39.4	30.0

The measure is the proportion of all births (not pregnancies) that are unintended, for the combined period 1998 to 2002. The data derive from five years of surveys of all births. Numerators and denominators are not provided.

Source: Pregnancy Risk Assessment Monitoring System (PRAMS) survey data, Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Perinatal Health Measures Profile*

#### **Percent of births with first trimester care** (National Performance Measure 18)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
54,117	68,255	79.3	90.0

The measure is the percent of infants born to pregnant women receiving prenatal care beginning in the first trimester; the data are for calendar year 2003. The numerator is the number of live births in which the mother began prenatal care during the first trimester; the denominator is the number of live births. The result is multiplied by 100 to yield the percent. Births with unknown trimester care began are excluded.

Source: Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Perinatal Health Measures Profile*

#### **Percent of mothers who initiate breastfeeding** (National Performance Measure 9)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	84.3	75.0

The measure is the percent of all mothers who initiate breastfeeding with their newborns, for the period 1998-2002. The data derive from five years of surveys of all births. Numerators and denominators are not provided. Since the National HP2010 goal of 75.0 percent has been met by Colorado, the Colorado FY 2005 goal is set at 85.0 percent.

Source: Pregnancy Risk Assessment Monitoring System (PRAMS) survey data, Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

## Colorado Profile 2005

### *Perinatal Health Measures Profile*

#### **Percent of women with inadequate weight gain during pregnancy** (State Performance Measure 13)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	23.3	N/A

The measure is the percent of women who gain an inadequate amount of weight during pregnancy, for the period 1998-2002. The data derive from five years of surveys of all births. Numerators and denominators are not provided. While there is no HP 2010 goal for this measure, the Colorado FY 2005 goal is 20.0 percent.

Inadequate weight gain is defined as less than the recommended number of pounds according to a woman's body mass index (BMI). A woman with a low BMI (< 19.8) should gain 28-40 pounds; a woman with a normal BMI (19.8-26.0) should gain 25-35 pounds, and a woman with a high BMI should gain 15-25 pounds.

**Source:** Pregnancy Risk Assessment Monitoring System (PRAMS) survey data, Health Statistics and Vital Records, Colorado Department of Public Health and Environment.

### *Perinatal Health Measures Profile*

#### **Perinatal mortality rate** (National Outcome Measure 5)

<b>Numerator</b>	<b>Denominator</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
2,160	334,276	6.5	4.5

The measure is the perinatal mortality rate per 1,000 live births, 1999-2003. The numerator is the sum of all perinatal deaths (fetal deaths occurring at 28 weeks of gestation or later and infant deaths occurring under 7 days of age) in 1999, 2000, 2001, 2002, and 2003. The denominator is the total number of live births plus all fetal deaths in the same five years. The result is multiplied by 1,000 to yield the rate. The rate shown can be viewed as the average rate for each of the five years.

**Source:** Health Statistics and Vital Records, Colorado Department of Public Health and Environment.