

## Boulder County Profile 2007

<b>Adolescent Health Profile.....</b>	<b>3</b>
Teen fertility 15-17.....	3
Births to Latina teens 15-17.....	3
Teen homicide 15-19.....	3
Teen injury hospitalizations 15-19.....	4
Teen motor vehicle deaths 15-19.....	4
Teen suicide 15-19.....	4
<b>Child Health Profile.....</b>	<b>5</b>
Child abuse.....	5
Child care centers using child care health consultants.....	5
Child deaths 1-14.....	5
Motor vehicle deaths 0-14.....	6
Children with social emotional difficulties.....	6
Health care access	
Dental care received.....	6
Health insurance coverage.....	7
No gap in health insurance coverage.....	7
Medical care received .....	7
Personal doctor or nurse.....	8
School-based health care.....	8
Immunization providers linked to Colorado Immunization Information System.....	8
Injury hospitalizations 0-19.....	9
Injury hospitalizations 0-14.....	9
Overweight.....	9
<b>Children with Special Health Care Needs (CSHCN) Profile.....</b>	<b>10</b>
Children with social emotional difficulties (CSHCN).....	10
Family participation (CSHCN).....	10
Health care access	
Dental care received (CSHCN).....	10
Health insurance coverage (CSHCN).....	11
No gap in health insurance coverage (CSHCN).....	11
Medical care received (CSHCN).....	11
Personal doctor or nurse (CSHCN).....	12
<b>Infant Health Profile.....</b>	<b>12</b>
Infant mortality.....	12
Black /White infant mortality.....	12
Neonatal mortality.....	13
Newborn hearing screening.....	13
Low birth weight.....	13
Very low birth weight.....	14

## Boulder County Profile 2007

Very low birth weight births born in Level III hospitals.....	14
Postneonatal mortality.....	14
<b>Oral Health Profile.....</b>	<b>15</b>
Caries experience.....	15
Dental sealants.....	15
Medicaid dental services.....	15
Untreated decay.....	16
<b>Perinatal Health Profile.....</b>	<b>16</b>
Breastfeeding initiation.....	16
First trimester prenatal care.....	16
Inadequate weight gain during pregnancy.....	17
Perinatal mortality.....	17
Smoking during the three months before pregnancy.....	17
Unintended births.....	18

# Boulder County Profile 2007

## Adolescent Health Profile

### Teen fertility 15-17

(National Performance Measure 8)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
246	15,944	15.4	24.4	43.0

The measure is the rate of births per 1,000 teens ages 15-17 for 2003-2005. The numerator is the total number of births to teens in 2003, 2004, and 2005. The denominator is the sum of the estimated population of females ages 15 through 17 for 2003, 2004, and 2005. 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. Data are calculated by the county of residence of the teen. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. The HP 2010 goal refers to pregnancies, not births. The Colorado 2010 goal is 21 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 Profile

### Births to Latina teens 15-17

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
169	246	68.7	60.8	N/A

The measure is the percent of teen births born to Latina ages 15-17 for 2003-2005. The numerator is the total number of births to Latina teens ages 15 through 17 in 2003, 2004, and 2005. The denominator is the total number of births to all teens ages 15 through 17 in 2003, 2004, and 2005. The result is multiplied by 100 to yield the percent. The percent shown can be viewed as the average percent for each of the three years. There is no HP 2010 goal or Colorado 2010 goal for this measure.

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

## Adolescent Health Profile

### Teen homicide 15-19

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
DS	116,141	DS	6.0	3.0

The measure is the rate of homicides per 100,000 teens ages 15-19 for 2001-2005. The numerator is the sum of all homicides in 2001, 2002, 2003, 2004 and 2005. The denominator is the sum of the estimated population ages 15 through 19 for 2001, 2002, 2003, 2004 and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

# Boulder County Profile 2007

## *Adolescent Health Profile* **Teen injury hospitalizations 15-19**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
578	137,234	421.2	573.3	N/A

The measure is the rate of hospitalization for injuries per 100,000 teens ages 15-19 for the period 2000-2005. The numerator is the sum of all hospitalizations for injuries of teens ages 15 through 19 in 2000, 2001, 2002, 2003, 2004 and 2005. The denominator is the sum of the estimated population of teens ages 15 through 19 for the same years. 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 six years. Rates can be affected by small numbers, and caution should be used with these data. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 450.0.

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

## *Adolescent Health Profile* **Teen motor vehicle deaths 15-19** (State Performance Measure 5)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
13	70,351	18.5	26.2	9.2

The measure is the rate of deaths per 100,000 teens ages 15-19 caused by motor vehicle crashes for 2003-2005. The numerator is the total number of deaths to teens ages 15 through 19 in 2003, 2004, and 2005. The denominator is the sum of the estimated population of teens ages 15 through 19 for 2003, 2004, and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

## *Adolescent Health Profile* **Teen suicide 15-19** (National Performance Measure 16)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
14	116,141	12.1	12.1	5.0

The measure is the rate of suicide deaths per 100,000 teens ages 15-19 for 2001-2005. The numerator is the total number of deaths to teens ages 15 through 19 in 2001, 2002, 2003, 2004 and 2005. The denominator is the sum of the estimated population teens ages 15 through 19 for 2001, 2002, 2003, 2004 and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

# Boulder County Profile 2007

## *Child Health Profile* **Child abuse**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
691	62,569	11.0	9.2	10.3

The measure is the rate of maltreatment (including physical abuse, sexual abuse, emotional abuse, and/or neglect) of children younger than 18 in calendar year 2005. The value shown reflects the number of unique substantiated cases per 1,000 children less than 18 years of age in a county.

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

## *Child Health Profile* **Child care centers using child care health consultants** (State Performance Measure 9)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
126	129	97.7	88.6	N/A

The measure is the percent of child care centers that reported using a child health care consultant in the spring of 2006. Colorado Child Care Licensing requires centers to receive on-site consultation on health and safety issues from a designated nurse or physician at least one time per month. The numerator is the number of centers responding to a survey that reported use of a consultant. The denominator is the total number of centers responding to the survey. The result is multiplied by 100 to yield a percent. While there is no HP2010 goal for this measure, the Colorado 2010 goal is 98.0 percent.

Surveys were filled out in the spring of 2006 by 100 percent of all centers in 40 counties and by at least 90 percent of all centers in Arapahoe, Eagle, El Paso, Garfield, La Plata and Routt Counties. Surveys were returned by 88 percent of all centers in Weld County and by 50-69 percent of all centers in Kit Carson, Larimer, Logan, Mesa, San Miguel, and Sedgwick Counties. Surveys were returned by fewer than 50 percent of all centers in Delta, Elbert, Gunnison, Montrose, Teller and Yuma Counties, and no surveys were returned by any center in Grand, Hinsdale, Jackson, Kiowa, or Ouray Counties.

**Source: Qualistar Early Learning, Spring 2006 Survey submitted to Colorado Department of Public Health and Environment Prevention Services Division**

## *Child Health Profile* **Child deaths 1-14** (National Outcome Measure 6)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
31	243,745	12.7	20.0	N/A

The measure is the rate of child deaths per 100,000 children ages 1-14 for 2001-2005. The numerator is the sum of all child deaths among children ages 1 through 14 in 2001, 2002, 2003, 2004 and 2005; the denominator is the sum of the estimated population of children ages 1 through 14 for 2001, 2002, 2003, 2004 and 2005. 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 2010 goal is 19.0. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

# Boulder County Profile 2007

## Child Health Profile

### Motor vehicle deaths 0-14

(National Performance Measure 10)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
3	156,664	1.9	3.6	9.2

The measure is the rate of deaths per 100,000 children ages 0-14 caused by motor vehicle crashes for 2003-2005. The numerator is the sum of all deaths among children ages 0 through 14 in 2003, 2004, and 2005. The denominator is the sum of the estimated population of children ages 0 through 14 for 2003, 2004, and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. The HP 2010 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 Profile

### Children with social emotional difficulties

(State 1 Performance Measure 8)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	26.4	28.9	N/A

The measure is the estimated percent of children ages 1-14 who have difficulties with emotions, concentration, behavior, or being able to get along with other people. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2004-2005. Numerators and denominators are not provided. County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for Clear Creek, Garfield, Gilpin, Mesa, Moffat, Park, and Rio Blanco. No data are available for other counties or Planning and Management Regions. While there is no HP 2010 goal for the measure, the Colorado goal is 25.0 percent.

Source: Child Health Survey, Health Statistics Section, Colorado Department of Public Health and Environment

## Child Health Profile

### Dental care received

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	93.2	91.6	N/A

The measure is the estimated percent of children ages 1-14 who received needed dental care in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children age 1 through 14 in Colorado in 2004-2005. Numerators and denominators are not provided. County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for Clear Creek, Garfield, Gilpin, Mesa, Moffat, Park, and Rio Blanco. No data are available for other counties or Planning and Management Regions. There is no HP 2010 goal or Colorado goal for this measure.

Source: Child Health Survey, Health Statistics Section, Colorado Department of Public Health and Environment

# Boulder County Profile 2007

## *Child Health Profile* **Health insurance coverage** (National Performance Measure 13)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	89.7	87.9	100

The measure is the estimated percent of children ages 1-14 who had any kind of health care coverage, including health insurance, prepaid plans, or government plans. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2004-2005. County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for Clear Creek, Garfield, Gilpin, Mesa, Moffat, Park, and Rio Blanco. No data are available for other counties or Planning and Management Regions. Numerators and denominators are not provided.

**Source:** Child Health Survey, Colorado Department of Public Health and Environment

## *Child Health Profile* **No gap in health care coverage**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	93.7	91.8	N/A

The measure is the estimated percent of children ages 1-14 who did not have a gap in their insurance coverage in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2004-2005. County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for Clear Creek, Garfield, Gilpin, Mesa, Moffat, Park, and Rio Blanco. No data are available for other counties or Planning and Management Regions. Numerators and denominators are not provided. There is no HP 2010 goal or Colorado 2010 goal for this measure.

**Source:** Child Health Survey, Colorado Department of Public Health and Environment

## *Child Health Profile* **Medical care received**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	98.2	98.5	N/A

The measure is the estimated percent of children ages 1-14 who received all the medical care they needed in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2004-2005. County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for Clear Creek, Garfield, Gilpin, Mesa, Moffat, Park, and Rio Blanco. No data are available for other counties or Planning and Management Regions. Numerators and denominators are not provided. There is no HP 2010 goal or Colorado 2010 goal for this measure.

**Source:** Child Health Survey, Colorado Department of Public Health and Environment

# Boulder County Profile 2007

## *Child Health Profile*

### **Personal doctor or nurse**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	74.5	77.6	N/A

The measure is the estimated percent of children ages 1-14 who have a personal doctor or nurse. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2004-2005. County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for Clear Creek, Garfield, Gilpin, Mesa, Moffat, Park, and Rio Blanco. No data are available for other counties or Planning and Management Regions. Numerators and denominators are not provided. There is no HP 2010 goal or Colorado 2010 goal for this measure.

**Source:** Child Health Survey, Colorado Department of Public Health and Environment

## *Child Health Profile*

### **School-based health care**

(State Performance Measure 1)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
0	51,194	0.0	10.7	N/A

The measure is the percent 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 in the fall of 2005. The numerator is the number of children and adolescents in schools that have access to care in school through school-linked or school-based health centers. The denominator is the number of children and adolescents 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 2010 goal is 15.0 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

## *Child Health Profile*

### **Immunization providers linked to Colorado Immunization Information System**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
9	54	16.7	43.2	N/A

The measure is the percent of providers in a county who are linked to the Colorado Immunization Information System as of December 2006. The numerator is the number of immunization providers in a county who are linked to the system. The denominator is the total number of providers in the county. Providers may be individual pediatricians, pediatric practices, other physician practices, local health agencies, or community health centers that serve children. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 100.0 percent.

**Source:** Colorado Immunization Information System December 2006 Report to Prevention Services Division, Colorado Department of Public Health and Environment



# Boulder County Profile 2007

## Child Health Profile

### Injury hospitalizations 0-19

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
1,037	449,581	230.7	295.2	N/A

The measure is the rate of hospitalization for injuries per 100,000 children and adolescents ages 0-19 for 2000-2005. The numerator is the sum of all hospitalizations for injuries ages 0 through 19 in 2000, 2001, 2002, 2003, 2004 and 2005. The denominator is the sum of the estimated population ages 0 through 19 for the same years. 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 six years. Rates can be affected by small numbers, and caution should be used with these data. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 230.0.

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

## Child Health Profile

### Injury hospitalizations 0-14

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
459	312,347	147.0	198.3	N/A

The measure is the rate of hospitalization for injuries per 100,000 children ages 0-14 for 2000-2005. The numerator is the sum of all hospitalizations for injuries of children ages 0 through 14 in 2000, 2001, 2002, 2003, 2004 and 2005. The denominator is the sum of the estimated population ages 0 through 14 for the same years.. 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 six years. Rates can be affected by small numbers, and caution should be used with these data. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 150.0.

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

## Child Health Profile

### Overweight

(State Performance Measure 7)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	3.98	14.5	5.0

The measure is the percent of children ages 2-14 whose BMI (body mass index) is at or above 85 percent of normal weight for height. The data combine two years of results from the Colorado Child Health Survey and are specific to children age 2 through 14 in 2004-2005. Numerators and denominators are not provided. County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Pueblo, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for Clear Creek, Garfield, Gilpin, Mesa, Moffat, Park, and Rio Blanco. No data are available for other counties or Planning and Management Regions.

Source: Child Health Survey, Health Statistics Section, Colorado Department of Public Health and Environment

# Boulder County Profile 2007

## *Children with Special Health Care Needs (CSHCN) Profile* **Children with social emotional difficulties (CSHCN)**

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

The measure is the estimated percent of children ages 1-14 with special health care needs who had difficulties with emotions, concentration, behavior, or being able to get along with other people. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 with special health care needs in Colorado in 2004-2005. Numerators and denominators are not provided. No data are available below the State level. There is no HP 2010 or Colorado 2010 goal for this measure for children with special health care needs.

**Source: Health Care Program for Children with Special Needs analysis of Colorado Child Health Survey, Colorado Department of Public Health and Environment**

## *Children with Special Health Care Needs (CSHCN) Profile* **Family participation (CSHCN)** (National Performance Measure 2)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	18	18	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 2004-2005 on a scale of 0 to 18 points. Data shown under County Measure are for Health Care Program for Children with Special Needs (HCP) regions and are not available for individual counties. The 64 Colorado counties are divided into 14 HCP regions. (These regions are not the same as the 14 State Planning and Management Regions.) While there is no HP 2010 goal for this measure, the Colorado FY 2006 goal is 18 points.

**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 (CSHCN) Profile* **Dental care received (CSHCN)**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	N/A	90.0	N/A

The measure is the estimated percent of children ages 1-14 with special health care needs who received needed dental care in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 with special health care needs in Colorado in 2004-2005. Numerators and denominators are not provided. No data are available below the state level. There is no HP 2010 goal or Colorado 2010 goal for this measure for children with special health care needs.

**Source: Health Care Program for Children with Special Needs analysis of Colorado Child Health Survey, Colorado Department of Public Health and Environment**

# Boulder County Profile 2007

## *Children with Special Health Care Needs (CSHCN) Profile*

### **Health insurance coverage (CSHCN)**

(National Performance Measure 4)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	N/A	89.0	100.0

The measure is the estimated percent of children ages 1-14 with special health care needs who had any kind of health care coverage, including health insurance, prepaid plans, or government plans. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 with special health care needs in Colorado in 2004-2005. Numerators and denominators are not provided. No data are available below the state level.

**Source:** Health Care Program for Children with Special Needs analysis of Colorado Child Health Survey, Colorado Department of Public Health and Environment

## *Children with Special Health Care Needs (CSHCN) Profile*

### **No gap in health care coverage (CSHCN)**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	N/A	93.0	N/A

The measure is the estimated percent of children ages 1-14 with special health care needs who did not have a gap in their insurance coverage in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 with special health care needs in Colorado in 2004-2005. Numerators and denominators are not provided. No data are available below the state level. There is no HP 2010 goal or Colorado 2010 goal for this measure.

**Source:** Health Care Program for Children with Special Needs analysis of Colorado Child Health Survey, Colorado Department of Public Health and Environment

## *Children with Special Health Care Needs (CSHCN) Profile*

### **Medical care received (CSHCN)**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	N/A	96.0	N/A

The measure is the estimated percent of children ages 1-14 with special health care needs who received all the medical care they needed in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 with special health care needs in Colorado in 2004-2005. Numerators and denominators are not provided. No data are available below the state level. There is no HP 2010 goal or Colorado 2010 goal for this measure.

**Source:** Health Care Program for Children with Special Needs analysis of Colorado Child Health Survey, Colorado Department of Public Health and Environment

# Boulder County Profile 2007

## *Children with Special Health Care Needs (CSHCN) Profile*

### **Personal doctor or nurse (CSHCN)**

(National Performance Measure 3)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	N/A	86.0	N/A

The measure is the estimated percent of children ages 1-14 with special health care needs who had a personal doctor or nurse. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 with special health care needs in Colorado in 2004-2005. Numerators and denominators are not provided. There is no HP 2010 goal or Colorado 2010 goal for this measure.

**Source:** Health Care Program for Children with Special Needs analysis of Colorado Child Health Survey, Colorado Department of Public Health and Environment

## *Infant Health Profile*

### **Infant mortality**

(National Outcome Measure 1)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
86	18,257	4.7	6.1	4.5

The measure is the infant mortality rate per 1,000 live births for 2001-2005. The numerator is the sum of all infant deaths (under one year of age) in 2001, 2002, 2003, 2004, and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

## *Infant Health Profile*

### **Black /White infant mortality**

(National Outcome Measure 2)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	N/A	3.0	N/A

The measure is the ratio of the black infant mortality rate to the white infant mortality rate, for 2001-2005. 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 five-year time period 2001-2005. A value greater than 1.0 indicates relatively more black infant deaths than white infant deaths. N/A (Not Applicable) is shown where no black infant deaths occurred among residents of the county. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. While there is no HP 2010 goal for the measure, the Colorado goal for 2010 is 1.8.

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

# Boulder County Profile 2007

## *Infant Health Profile*

### **Neonatal mortality**

(National Outcome Measure 3)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
62	18,257	3.4	4.4	2.9

The measure is the neonatal mortality rate per 1,000 live births for 2001-2005. The numerator is the sum of all neonatal deaths (deaths occurring in the first 28 days of life) in 2001, 2002, 2003, 2004 and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

## *Infant Health Profile*

### **Newborn hearing screening**

(National Performance Measure 12)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
3,372	3,495	96.5	97.5	N/A

The measure is the percent of newborns who were screened for hearing impairment before hospital discharge in calendar year 2005. The numerator is the number of newborns that underwent the newborn hearing screening at birth who were born to Colorado residents who delivered in Colorado. The denominator is the number of live births to Colorado residents who gave birth in Colorado. While there is no HP 2010 goal for this measure, the Colorado FY 2010 goal is 98.0 percent.

**Source:** Newborn Hearing Screening Program, Prevention Services Division, Colorado Department of Public Health and Environment.

## *Infant Health Profile*

### **Low birth weight**

(State Outcome Measure 1)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
890	10,665	8.3	9.1	5.0

The measure is the low birth weight rate for 2003-2005. The numerator is the sum of the low birth weight (under 2500 grams or 5 pounds, 8 ounces, or less) live births in 2003, 2004, and 2005; the denominator is the sum of all of live births in 2003, 2004, and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

# Boulder County Profile 2007

## *Infant Health Profile*

### **Very low birth weight**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
119	10,665	1.1	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 2003-2005. The numerator is the total number of very low birth weight births in 2003, 2004, and 2005. The denominator is the sum of all live births in 2003, 2004, and 2005. The result is multiplied by 100 to yield the rate. Births with unknown weights are excluded. The rate shown can be viewed as the average rate for each of the three years. Data are calculated by the county of residence of the mother. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

## *Infant Health Profile*

### **Very low birth weight births born in Level III hospitals**

(National Performance Measure 17)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
117	180	65.0	83.1	90.0

The measure is the percent of very low birth weight infants delivered from 2001-2005 at facilities considered to be appropriate for high-risk deliveries and neonates (Level IIIs). Data are calculated by the county of residence of the mother (not the county where the birth occurred). DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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 2001, 2002, 2003, 2004 and 2005. 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 are Swedish, Denver Health, Rose, Porter, St. Joseph's, Presbyterian St. Luke's, University Hospital, and Memorial Hospital in Colorado Springs. N/A (Not Applicable) is shown for counties that had no very low birth weight births and thus had no very low birth weight deliveries at a Level III facility.

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

## *Infant Health Profile*

### **Postneonatal mortality**

(National Outcome Measure 4)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
24	18,257	1.3	1.7	1.2

The measure is the postneonatal mortality rate per 1,000 live births, 2001-2005. The numerator is the sum of all postneonatal deaths (deaths occurring after 28 days of life but before one year of age) in 2001, 2002, 2003, 2004 and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

# Boulder County Profile 2007

## *Oral Health Profile* **Caries experience**

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	54.3	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.

## *Oral Health Profile* **Dental sealants** (National Performance Measure 9)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	37.9	35.0	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 Profile* **Medicaid dental services** (State Performance Measure 2)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
3,578	12,524	28.6	31.1	57.0

The measure is the percent of children on Medicaid who received dental services during state FY 2004. Data are available for eight counties only: Adams, Arapahoe, Denver, Douglas, Larimer, Mesa, Pueblo, and Weld. All other data shown are for regional groups (see below). 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.

Data available by regional groups: Garfield, Moffat, Rio Blanco / Eagle, Grand, Jackson, Pitkin, Routt, Summit / Delta, Montrose, Ouray, San Miguel / Archuleta, Dolores, La Plata, Montezuma, San Juan / Chaffee, Custer, Fremont, Gunnison, Lake, Park / Alamosa, Conejos, Costilla, Hinsdale, Mineral, Rio Grande, Saguache / Baca, Bent, Crowley, Huerfano, Kiowa, Las Animas, Otero, Prowers / El Paso, Teller / Logan, Morgan, Phillips, Sedgwick, Washington, Yuma / Cheyenne, Elbert, Kit Carson, Lincoln / Boulder, Broomfield / Clear Creek, Gilpin, Jefferson.

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



# Boulder County Profile 2007

## Oral Health Profile

### Untreated decay

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	22.2	26.0	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.

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

## Perinatal Health Profile

### Breastfeeding initiation

(National Performance Measure 11)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	91.1	85.6	75.0

The measure is the percent of all mothers who initiate breastfeeding with their newborns, for the period 2000-2004. The data derive from five years of surveys of all births. County level data are provided for Adams, Alamosa, Arapahoe, Boulder, Delta, Denver, Douglas, Eagle, Elbert, El Paso, Fremont, Garfield, Grand, Gunnison, Jefferson, Lake, La Plata, Larimer, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Prowers, Pueblo, Rio Grande, Routt, Summit, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for all other counties. Numerators and denominators are not provided. Since the HP 2010 goal of 75.0 percent has been met by Colorado, the Colorado FY 2010 goal is set at 87.0 percent.

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

## Perinatal Health Profile

### First trimester prenatal care

(National Performance Measure 18)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
3,072	3,490	88.0	80.1	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 2005. The numerator is the number of live births where 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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



# Boulder County Profile 2007

## *Perinatal Health Profile* **Inadequate weight gain during pregnancy** (State Performance Measure 3)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	25.6	23.8	N/A

The measure is the percent of women who gain an inadequate amount of weight during pregnancy for the period 2000-2004. The data derive from five years of surveys of all births. County level data are provided for Adams, Alamosa, Arapahoe, Boulder, Delta, Denver, Douglas, Eagle, Elbert, El Paso, Fremont, Garfield, Grand, Gunnison, Jefferson, Lake, La Plata, Larimer, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Prowers, Pueblo, Rio Grande, Routt, Summit, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for all other counties. Numerators and denominators are not provided. While there is no HP 2010 goal for this measure, the Colorado FY 2010 goal is 18.0 percent.

Inadequate weight gain is defined as a gain of 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 Profile* **Perinatal mortality** (National Outcome Measure 5)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
95	18,337	5.2	6.5	4.5

The measure is the perinatal mortality rate per 1,000 live births for 2001-2005. 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 2001, 2002, 2003, 2004 and 2005. 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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2.

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

## *Perinatal Health Measures Profile* **Smoking during the three months before pregnancy** (State Performance Measure 6)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	15.9	20.3	N/A

The measure is the percent of women who smoked during the three months before pregnancy, for the period 2000-2004. The data derive from five years of surveys of all births. County level data are provided for Adams, Alamosa, Arapahoe, Boulder, Delta, Denver, Douglas, Eagle, Elbert, El Paso, Fremont, Garfield, Grand, Gunnison, Jefferson, Lake, La Plata, Larimer, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Prowers, Pueblo, Rio Grande, Routt, Summit, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for all other counties. Numerators and denominators are not provided. While there is no HP 2010 goal for this measure, the Colorado FY 2010 goal is 13.7 percent.

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

## Boulder County Profile 2007

### *Perinatal Health Profile*

#### **Unintended births**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	33.1	39.7	30.0

The measure is the percent of all births (not pregnancies) that are unintended for the combined period 2000-2004. The data derive from five years of surveys of all births. County level data are provided for Adams, Alamosa, Arapahoe, Boulder, Delta, Denver, Douglas, Eagle, Elbert, El Paso, Fremont, Garfield, Grand, Gunnison, Jefferson, Lake, La Plata, Larimer, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Prowers, Pueblo, Rio Grande, Routt, Summit, Teller, and Weld. Appropriate Planning and Management Region data (see FAQs for list of counties by region) are shown for all other counties. 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.**