

## Colorado MCH Data Set 2010

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\* Indicates measure is not used in the Colorado Department of Public Health and Environment MCH Checklists for local health departments.

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\* Indicates measure is not used in the Colorado Department of Public Health and Environment MCH Checklists for local health departments.

## Colorado MCH Data Set 2010

### *Adolescent Health Profile* **Teen fertility 15-17** (National Performance Measure 8)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 6,654            | 298,101            | 22.3                    | 43.0                |

The measure is the rate of births per 1,000 teens ages 15 through 17 for 2006-2008. The numerator is the total number of births to teens in 2006, 2007, and 2008. The denominator is the sum of the estimated population of females ages 15 through 17 for 2006, 2007, and 2008. 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 2010 goal is 21 births per 1,000 teens.

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

### *Adolescent Health Profile* **Births to Latina teens 15-17**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 3,861            | 6,654              | 58.0                    | N/A                 |

The measure is the percent of teen births born to Latina teens ages 15 through 17 for 2006-2008. The numerator is the total number of births to Latina teens ages 15 through 17 in 2006, 2007, and 2008. The denominator is the total number of births to all teens ages 15 through 17 in 2006, 2007, and 2008. 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:** Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.

### *Adolescent Health Profile* **Teen homicide 15-19**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 90               | 1,770,835          | 5.1                     | 3.0                 |

The measure is the rate of homicides per 100,000 teens ages 15 through 19 for 2004-2008. The numerator is the sum of all homicides among teens ages 15 through 19 in 2004, 2005, 2006, 2007, and 2008. The denominator is the sum of the estimated population ages 15 through 19 for 2004, 2005, 2006, 2007, and 2008. 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: Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.  
Denominator: State Demography Office, Colorado Department of Local Affairs.

# Colorado MCH Data Set 2010

## *Adolescent Health Profile*

### **Teen injury hospitalizations 15-19**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 8,591            | 1,770,835          | 485.1                   | N/A                 |

The measure is the rate of hospitalization for injuries per 100,000 teens ages 15 through 19 for the period 2004-2008. The numerator is the sum of all hospitalizations for injuries of teens ages 15 through 19 in 2004, 2005, 2006, 2007, and 2008. The denominator is the sum of the estimated population of teens ages 15 through 19 in 2004, 2005, 2006, 2007, and 2008. 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 450.0.

**Source: Numerator: Hospital Discharge Dataset, Colorado Hospital Association.**  
**Denominator: State Demography Office, Colorado Department of Local Affairs.**

## *Adolescent Health Profile*

### **Teen motor vehicle deaths 15-19**

(State Performance Measure 5)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 179              | 1,076,750          | 16.6                    | 9.2                 |

The measure is the rate of deaths per 100,000 teens ages 15 through 19 caused by motor vehicle crashes for 2006-2008. The numerator is the total number of motor vehicle related deaths to teens ages 15 through 19 in 2006, 2007, and 2008. The denominator is the sum of the estimated population of teens ages 15 through 19 for 2006, 2007, and 2008. 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: Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.**  
**Denominator: State Demography Office, Colorado Department of Local Affairs.**

## *Adolescent Health Profile*

### **Teen suicide 15-19**

(National Performance Measure 16)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 215              | 1,770,835          | 12.1                    | 5.0                 |

The measure is the rate of suicide deaths per 100,000 teens ages 15 through 19 for 2004-2008. The numerator is the total number of deaths to teens ages 15 through 19 in 2004, 2005, 2006, 2007, and 2008. The denominator is the sum of the estimated population of teens ages 15 through 19 for 2004, 2005, 2006, 2007, and 2008. 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: Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.**  
**Denominator: State Demography Office, Colorado Department of Local Affairs.**

## Colorado MCH Data Set 2010

### *Child Health Profile*

#### **Child abuse**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 10,103           | 1,224,345          | 8.3                     | 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 2007. The value shown reflects the number of abused children (by substantiated report) per 1,000 children less than 18 years of age in Colorado.

**Source: Numerator: Colorado Central Registry, Colorado Department of Human Services.**  
**Denominator: State Demography Office, 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>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 1,104            | 1,153              | 95.8                    | N/A                 |

The measure is the percentage of child care centers (excluding preschools) that reported using a child health care consultant in the spring of 2009. 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 HP 2010 goal for this measure, the Colorado 2010 goal is 98.0 percent.

Surveys were filled out in the spring of 2009 by 100 percent of all centers in 49 counties and by at least 90 percent of all centers in Denver, Garfield, Larimer, Mesa, and Pitkin counties. Surveys were returned by at least 80 percent of all centers in Alamosa, Eagle, Grand, Gunnison, Teller, and Weld counties. Delta County saw a response rate of 75 percent, the lowest in the state. Custer, Kit Carson, and Phillips counties did not have any licensed child care centers at the time of survey.

**Source: Qualistar Early Learning, Spring 2009 Survey.**

### *Child Health Profile*

#### **Child deaths 1-14**

(National Outcome Measure 6)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 829              | 4,676,022          | 17.7                    | N/A                 |

The measure is the rate of child deaths per 100,000 children ages 1 through 14 for 2004-2008. The numerator is the sum of all deaths among children ages 1 through 14 in 2004, 2005, 2006, 2007, and 2008. The denominator is the sum of the estimated population of children ages 1 through 14 for 2004, 2005, 2006, 2007, and 2008. 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 15.0.

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

## Colorado MCH Data Set 2010

### *Child Health Profile*

#### **Motor vehicle deaths 0-14**

(National Performance Measure 10)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 87               | 3,059,682          | 2.8                     | 9.2                 |

The measure is the rate of deaths per 100,000 children ages 0 through 14 caused by motor vehicle crashes for 2006-2008. The numerator is the sum of all deaths among children ages 0 through 14 in 2006, 2007, and 2008. The denominator is the sum of the estimated population of children ages 0 through 14 for 2006, 2007, and 2008. 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. The HP 2010 goal is for all ages, not specifically for ages 0 through 14.

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

### *Child Health Profile*

#### **Child Health Plan Plus (CHP+) enrollees**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 107,095          | 1,328,611          | 8.1                     | N/A                 |

The measure is the estimated percent of children ages 0 through 18 who were enrolled in the Child Health Plan Plus (CHP+) program at some time between July 2008 and June 2009. Children qualify for the program when their family income is at or below 205 percent of the federal poverty guideline. Upon enrollment, coverage lasts for 12 months.

The numerator is the number of children in the state enrolled in CHP+. The denominator is the estimated total number of children ages 0 through 18 in the state in 2009. There is no HP 2010 or Colorado 2010 goal for this measure.

Additional information on CHP+ enrollees and children eligible but not enrolled in CHP+ is available on the Colorado Health Institute web site, <http://www.coloradohealthinstitute.org/~media/Documents/sn/EBNE.ashx>.

**Source: Numerator:** Colorado Department of Health Care Policy and Financing.  
**Denominator:** State Demography Office, Colorado Department of Local Affairs.

### *Child Health Profile*

#### **Health insurance coverage**

(National Performance Measure 13)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 91.1                    | 100                 |

The measure is the estimated percent of children ages 1 through 14 who had any kind of health care coverage, including health insurance, prepaid plans, or government plans. The data shown combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2007-2008. Numerators and denominators are not available (N/A).

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

## Colorado MCH Data Set 2010

### *Child Health Profile*

#### **No gap in health insurance coverage**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 92.3                    | N/A                 |

The measure is the estimated percent of children ages 1 through 14 who did not have a gap in their insurance coverage in the 12 months before the Colorado Child Health Survey. The data shown combine two years of results from the survey and are specific to children ages 1 through 14 in Colorado in 2007-2008. Numerators and denominators are not available (N/A). There is no HP 2010 goal or Colorado 2010 goal for this measure.

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

### *Child Health Profile*

#### **Medicaid enrollees**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 342,625          | 1,328,611          | 25.8                    | N/A                 |

The measure is the estimated percent of children ages 0 through 18 who were enrolled in Medicaid in state FY 2009 (July 2008-June 2009). Children up to age 6 who were in families with incomes below 133 percent of the federal poverty level and children ages 6 through 18 who were in families with incomes below 100 percent of the federal poverty level were eligible for coverage. Children were enrolled for between 1 and 12 months total during the state fiscal year.

The numerator is the number of children enrolled in Medicaid in the state. The denominator is the total estimated number of children ages 0 through 18 in the state in 2009. There is no HP 2010 or Colorado 2010 goal for this measure.

Additional information on Medicaid enrollees and children eligible but not enrolled in Medicaid is available on the Colorado Health Institute web site, <http://www.coloradohealthinstitute.org/~media/Documents/sn/EBNE.ashx>.

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

**Denominator:** State Demography Office, Colorado Department of Local Affairs.

### *Child Health Profile*

#### **Personal doctor or nurse**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 92.8                    | N/A                 |

The measure is the estimated percent of children ages 1 through 14 who have a personal doctor or nurse. The data shown are one-year results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2008. Numerators and denominators are not available (N/A). There is no HP 2010 goal or Colorado 2010 goal for this measure.

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

## Colorado MCH Data Set 2010

### *Child Health Profile*

#### **Schools with school-based health centers**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 42               | N/A                | 42                      | N/A                 |

The measure is the number of public schools in the state that had an on-site school-based health center in the fall of 2008. While there is no HP 2010 goal for this measure, the Colorado 2010 goal is 50 schools across the state.

Some schools do not have centers but are visited by medical and dental vans. The vans visit schools in various districts in Adams, Arapahoe, and Denver counties. The vans, both from Rocky Mountain Youth Clinics, visit other suburban and rural locations across the state upon request. Additional information is available at <http://rockymountainyouth.org/>.

**Source:** Colorado School-Based Health Center Initiative, Colorado Department of Public Health and Environment.

### *Child Health Profile*

#### **Student access to school-based health care**

(State Performance Measure 1)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 29,808           | 818,443            | 3.6                     | N/A                 |

The measure is the percent of children and adolescents attending public schools who had access to basic preventive and primary, physical and behavioral health services through on-site school-based health centers in the fall of 2008. The numerator is the number of students in the state who were enrolled in public schools with an on-site school-based health center. (The numerator reflects access to, but does not reflect actual utilization of, a school-based health center.) The denominator is the total number of students enrolled in public schools in the state. The result is multiplied by 100 to yield a percent. While there is no HP 2010 goal for this measure, the Colorado 2010 goal is 3.8 percent.

**Source:** Numerator: Colorado School-Based Health Center Initiative, Colorado Department of Public Health and Environment.  
Denominator: Colorado Department of Education.

### *Child Health Profile*

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

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 531              | 937                | 56.7                    | N/A                 |

The measure is the percent of immunization providers who are linked to the Colorado Immunization Information System as of December 2009. The numerator is the number of immunization providers who were linked to the system. The denominator is the total number of providers in Colorado. 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 2009.



## Colorado MCH Data Set 2010

### *Child Health Profile* **Injury hospitalizations 0-19**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 16,785           | 6,796,032          | 247.0                   | N/A                 |

The measure is the rate of hospitalization for injuries per 100,000 children and adolescents ages 0 through 19 for 2004-2008. The numerator is the sum of all hospitalizations for injuries of children and adolescents ages 0 through 19 in 2004, 2005, 2006, 2007, and 2008. The denominator is the sum of the estimated population of children and adolescents 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 five years. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 230.0.

**Source: Numerator: Hospital Discharge Dataset, Colorado Hospital Association.**  
**Denominator: State Demography Office, Colorado Department of Local Affairs.**

### *Child Health Profile* **Injury hospitalizations 0-14**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 8,194            | 5,025,197          | 163.1                   | N/A                 |

The measure is the rate of hospitalization for injuries per 100,000 children ages 0 through 14 for 2004-2008. The numerator is the sum of all hospitalizations for injuries of children ages 0 through 14 in 2004, 2005, 2006, 2007, and 2008. The denominator is the sum of the estimated population of children 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 five years. While there is no HP 2010 goal for the measure, the Colorado FY 2010 goal is 150.0.

**Source: Numerator: Hospital Discharge Dataset, Colorado Hospital Association.**  
**Denominator: State Demography Office, Colorado Department of Local Affairs.**

### *Child Health Profile* **Overweight or obese** (State Performance Measure 7)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 26.8                    | 15.0                |

The measure is the percent of children ages 2 through 14 whose BMI (body mass index) is categorized as overweight (85%-94% of normal weight for height) or obese (95% or higher of normal weight for height). The data shown combine two years of results from the Colorado Child Health Survey and are specific to children ages 2 through 14 in 2007-2008. Numerators and denominators are not available (N/A). The HP 2010 goal is for ages 6 through 19.

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

## Colorado MCH Data Set 2010

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

#### **Family participation**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 16                      | N/A                 |

The measure is the degree to which the state assures family participation in program and policy activities in the Children with Special Health Care Needs program in state FY 2007-2008. Scoring is on a scale of 0 to 18 points. While there is no HP 2010 goal for this measure, the Colorado 2010 goal is 18 points.

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

### *Infant Health Profile*

#### **Infant mortality**

(National Outcome Measure 1)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 2,147            | 348,966            | 6.2                     | 4.5                 |

The measure is the infant mortality rate per 1,000 live births for 2004-2008. The numerator is the sum of all infant (under one year of age) deaths in 2004, 2005, 2006, 2007, and 2008. 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: Vital Statistics Unit, Health Statistics Section, 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>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 14.4             | 5.9                | 2.5                     | N/A                 |

The measure is the ratio of the black infant mortality rate to the white infant mortality rate for 2004-2008. 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 2004-2008. 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 2010 goal is 2.0.

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

## Colorado MCH Data Set 2010

*Infant Health Profile*  
**Neonatal mortality**  
(National Outcome Measure 3)

| Numerator | Denominator | Colorado Measure | HP 2010 Goal |
|-----------|-------------|------------------|--------------|
| 1,549     | 348,966     | 4.4              | 2.9          |

The measure is the neonatal mortality rate per 1,000 live births for 2004-2008. The numerator is the sum of all neonatal deaths (deaths occurring in the first 28 days of life) in 2004, 2005, 2006, 2007, and 2008. The denominator is the total number of live births for 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: Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.

*Infant Health Profile*  
**Newborn hearing screening**  
(National Performance Measure 12)

| Numerator | Denominator | Colorado Measure | HP 2010 Goal |
|-----------|-------------|------------------|--------------|
| 67,905    | 69,432      | 97.8             | N/A          |

The measure is the percent of newborns who were screened for hearing impairment before hospital discharge in 2008. The numerator is the number of infants that underwent newborn hearing screening among all infants born to Colorado residents who gave birth in Colorado. The denominator is the number of live births to Colorado residents who gave birth in Colorado (births to Colorado residents that occurred outside the state are not included in the denominator). While there is no HP 2010 goal for this measure, the Colorado 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)

| Numerator | Denominator | Colorado Measure | HP 2010 Goal |
|-----------|-------------|------------------|--------------|
| 19,039    | 211,548     | 9.0              | 5.0          |

The measure is the low birth weight rate for 2006-2008. The numerator is the sum of the low birth weight (under 2500 grams or 5 pounds, 8 ounces or less) live births in 2006, 2007, and 2008. The denominator is the sum of all live births in 2006, 2007, and 2008. 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: Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.

## Colorado MCH Data Set 2010

### *Infant Health Profile*

#### **Very low birth weight**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 2,749            | 211,548            | 1.3                     | 0.9                 |

The measure is the very low birth weight rate for 2006-2008. The numerator is the sum of very low birth weight (births weighing less than 1500 grams or 3 pounds, 4 ounces or less) live births in 2006, 2007, and 2008. The denominator is the sum of all live births in 2006, 2007, and 2008. 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:** Vital Statistics Unit, Health Statistics Section, 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>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 3,988            | 4,540              | 87.8                    | 90.0                |

The measure is the percent of very low birth weight infants delivered in 2004-2008 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 2004, 2005, 2006, 2007, and 2008. 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.

Level III hospitals are those identified by the Colorado Perinatal Care Council (see the list at <http://www.coloradoperinatalcarecouncil.com/coloradohospitals.html>).

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

### *Infant Health Profile*

#### **Postneonatal mortality**

(National Outcome Measure 4)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 598              | 348,966            | 1.7                     | 1.2                 |

The measure is the postneonatal mortality rate per 1,000 live births for 2004-2008. The numerator is the sum of all postneonatal deaths (deaths occurring after 28 days of life but before one year of age) in 2004, 2005, 2006, 2007, and 2008. 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:** Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.

## Colorado MCH Data Set 2010

### *Oral Health Profile*

#### **Caries experience**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 57.2                    | 42.0                |

The measure is the estimated percent of children in grade 3 during the 2006-2007 school year 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 shown are from the Oral Health Surveillance System. Numerators and denominators are not available (N/A). 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, Prevention Services Division, Colorado Department of Public Health and Environment.

### *Oral Health Profile*

#### **Dental sealants**

(National Performance Measure 9)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 35.0                    | 50.0                |

The measure is the estimated percent of children in grade 3 during the 2006-2007 school year with a dental sealant on at least one tooth. Dental sealants are plastic coatings applied to decay-susceptible tooth surfaces (the pits and fissures).

The data shown are from the Oral Health Surveillance System. Numerators and denominators are not available (N/A). 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, Prevention Services Division, Colorado Department of Public Health and Environment.

### *Oral Health Profile*

#### **Medicaid dental services**

(State Performance Measure 2)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 149,732          | 342,625            | 43.7                    | N/A                 |

The measure is the percent of children on Medicaid who received dental services at some time between July 2007 and June 2008. The numerator is the number of children ages 0 through 18 on Medicaid who obtained dental services, and the denominator is the total number of children ages 0 through 18 who received Medicaid. The result is multiplied by 100 to yield the percent. While there is no HP 2010 goal for this measure, the Colorado goal is 44.0 percent.

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

## Colorado MCH Data Set 2010

### *Oral Health Profile*

#### **Untreated decay**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 24.5                    | 21.0                |

The measure is the estimated percent of children in grade 3 during the 2006-2007 school year with untreated tooth decay. For children, untreated decay can result in chronic pain and early tooth loss, inability to concentrate at school, absence from school, reduced self-esteem, and psychosocial problems.

The data shown are from the Oral Health Surveillance System. Numerators and denominators are not available (N/A). 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, Prevention Services Division, Colorado Department of Public Health and Environment.

### *Perinatal Health Profile*

#### **Breastfeeding initiation**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 89.5                    | 75.0                |

The measure is the percent of all mothers who initiated breastfeeding with their newborns, for the period 2004-2008. The data shown are from five years of surveys of all births. Numerators and denominators are not available (N/A). Since the HP 2010 goal of 75.0 percent has been met by Colorado, the Colorado 2010 goal was set at 87.0 percent.

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

### *Perinatal Health Profile*

#### **First trimester prenatal care**

(National Performance Measure 18)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 52,298           | 68,022             | 76.9                    | 90.0                |

The measure is the percent of infants born to women receiving prenatal care beginning in the first trimester of their pregnancy. The data shown are for calendar year 2008. The numerator is the number of live births where the mother began prenatal care during the first trimester of pregnancy. The denominator is the total number of live births. The result is multiplied by 100 to yield the percent. Births where the start of prenatal care is unknown have been excluded.

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

## Colorado MCH Data Set 2010

### *Perinatal Health Profile*

#### **Maternal weight gain**

Recommendations for weight gain during pregnancy are according to the Institute of Medicine's 1990 guidelines. To meet the recommendations, women need to gain within the weight gain ranges for their body mass index (BMI) category. 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 (>26.0) should gain 15-25 pounds. Appropriate (or adequate) weight gain is defined as a gain of the recommended number of pounds. Excessive weight gain is defined as a gain of more than the recommended number of pounds. Inadequate weight gain is defined as a gain of less than the recommended number of pounds.

### *Perinatal Health Profile*

#### **Appropriate weight gain during pregnancy**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 34.4                    | N/A                 |

The measure is the percent of women who gained an appropriate amount of weight during pregnancy, for the period 2004-2008. The data shown are from five years of surveys of all births. Numerators and denominators are not available (N/A). There is no HP 2010 goal or Colorado 2010 goal for this measure.

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

### *Perinatal Health Profile*

#### **Excessive weight gain during pregnancy**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 41.4                    | N/A                 |

The measure is the percent of women who gained an excessive amount of weight during pregnancy, for the period 2004-2008. The data shown are from five years of surveys of all births. Numerators and denominators are not available (N/A). There is no HP 2010 goal or Colorado 2010 goal for this measure.

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

### *Perinatal Health Profile*

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

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 24.2                    | N/A                 |

The measure is the percent of women who gain an inadequate amount of weight during pregnancy, for the period 2004-2008. The data shown are from five years of surveys of all births. Numerators and denominators are not available (N/A). While there is no HP 2010 goal for this measure, the Colorado 2010 goal is 25.0 percent.

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

## Colorado MCH Data Set 2010

### *Perinatal Health Profile*

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

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| 2,224            | 350,830            | 6.3                     | 4.5                 |

The measure is the perinatal mortality rate per 1,000 live births for 2004-2008. 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 2004, 2005, 2006, 2007, and 2008. 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:** Vital Statistics Unit, Health Statistics Section, Colorado Department of Public Health and Environment.

### *Perinatal Health Profile*

#### **Smoking during the three months before pregnancy**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 19.8                    | N/A                 |

The measure is the percent of women who smoked during the three months before pregnancy, for the period 2004-2008. The data shown are from five years of surveys of all births. Numerators and denominators are not available (N/A). While there is no HP 2010 goal for this measure, the Colorado 2010 goal is 19.0 percent.

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

### *Perinatal Health Profile*

#### **Smoking during the last three months of pregnancy** (National Performance Measure 15)

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 9.9                     | N/A                 |

The measure is the percent of women who smoked during the last three months of pregnancy, for the period 2004-2008. The data shown are from five years of surveys of all births. Numerators and denominators are not available (N/A). While there is no HP 2010 goal for this measure, the Colorado 2010 goal is for no more than 10.0 percent of women to be smoking in the last trimester of pregnancy.

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



## Colorado MCH Data Set 2010

### *Perinatal Health Profile*

#### **Unintended births**

| <b>Numerator</b> | <b>Denominator</b> | <b>Colorado Measure</b> | <b>HP 2010 Goal</b> |
|------------------|--------------------|-------------------------|---------------------|
| N/A              | N/A                | 38.6                    | 30.0                |

The measure is the percent of all births (not pregnancies) that were unintended, for the period 2004-2008. The data shown are from five years of surveys of all births. Numerators and denominators are not available (N/A).

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