

# Logan County Profile 2006

<b>Adolescent Health Measures Profile .....</b>	<b>3</b>
Teen fertility rate 15-17 .....	3
Percent of teen births born to Latina teens 15-17 .....	3
Suicide death rate 15-19 .....	3
Motor vehicle death rate 15-19 .....	4
Teen homicide rate 15-19 .....	4
<b>Child Health Measures Profile .....</b>	<b>4</b>
Percent of children who are obese .....	4
Child abuse rate .....	5
Motor vehicle death rate 0-14 .....	5
Injury hospitalization rate 0-19 .....	5
Injury hospitalization rate 0-14 .....	6
Injury hospitalization rate 15-19 .....	6
Child death rate 1-14 .....	6
Percent of students with access to school-based health care .....	7
<b>Children with Special Health Care Needs Measures Profile .....</b>	<b>7</b>
Family participation degree .....	7
Personal doctor or nurse .....	7
Received all needed medical care in the past 12 months .....	8
Health care coverage .....	8
No gap in health care coverage .....	8
No problems with teeth .....	9
Difficulties with emotions, concentration, or behavior .....	9
<b>Infant Health Measures Profile .....</b>	<b>9</b>
Percent of newborns screened for hearing .....	9
Percent of births that are very low birth weight .....	10
Percent of births that are low birth weight .....	10
Percent of very low birth weight births born in Level III hospitals .....	10
Infant mortality rate .....	11
Neonatal mortality rate .....	11
Black /White infant mortality ratio .....	11
Postneonatal mortality rate .....	12
<b>Oral Health Measures Profile .....</b>	<b>12</b>
Percent with caries experience .....	12
Percent with dental sealants .....	12
Percent with untreated decay .....	13
Medicaid dental services rate .....	13
<b>Perinatal Health Measures Profile .....</b>	<b>13</b>
Percent of births that are unintended .....	13

## Logan Profile 2006

Percent of births with first trimester care .....	14
Percent of mothers who initiate breastfeeding .....	14
Percent of women with inadequate gain during pregnancy .....	14
Percent of women who smoke during the three months before pregnancy. ....	15
Perinatal mortality rate .....	15

# Logan County Profile 2006

## *Adolescent Health Measures Profile*

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

(National Performance Measure 8)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
29	1,331	21.8	25.0	43.0

The measure is the rate of births per 1,000 teenagers aged 15 through 17 years, for 2002-2004. The numerator is the total number of births to teens in 2002, 2003, and 2004. The denominator is the sum of the estimated population of females ages 15-17 for 2002, 2003, and 2004. 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 FY 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 Measures Profile*

### **Percent of teen births born to Latina teens 15-17**

(State Performance Measure 4)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
8	29	27.6	59.7	N/A

The measure is the percent of teen births born to Latina teens ages 15-17 years for 2002-2004. The numerator is the total number of births to Latina teens ages 15-17 in 2002, 2003, and 2004. The denominator is the total number of births to all teens ages 15-17 in 2002, 2003, and 2004. 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 Measures Profile*

### **Suicide death rate 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>
DS	7,890	DS	11.7	5.0

The measure is the rate of suicide deaths per 100,000 teenagers aged 15-19, for 2000-2004. The numerator is the total number of deaths in 2000, 2001, 2002, 2003, and 2004. The denominator is the sum of the estimated population ages 15-19 for 2000, 2001, 2002, 2003, and 2004. 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.

# Logan County Profile 2006

## *Adolescent Health Measures Profile*

### **Motor vehicle death rate 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>
DS	4,384	DS	29.6	9.2

The measure is the rate of deaths per 100,000 adolescents aged 15-19 caused by motor vehicle crashes for 2002-2004. The numerator is the total number of deaths in 2002, 2003, and 2004. The denominator is the sum of the estimated population ages 15-19 for 2002, 2003, and 2004. 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 Measures Profile*

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

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
0	7,890	0.0	6.1	3.0

The measure is the rate of homicides among teens 15-19 per 100,000 teens, for 2000-2004. The numerator is the sum of all homicides in 2000, 2001, 2002, 2003 and 2004; the denominator is the sum of the estimated population ages 15-19 for 2000, 2001, 2002, 2003 and 2004. 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.**

## *Child Health Measures Profile*

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

(State Performance Measure 7)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
38	286	13.3	9.6	5.0

The measure is the percent of WIC participants age 2-5 who are obese, for the year 2004. The numerator is all WIC children (between the ages of 2 and 5) whose weight for height is greater than the 95th percentile. The denominator is all WIC participants between the ages of 2 and 5. County data include all children served by the WIC program in the county, including some who may not be residents of that county. County-level data are provided except where there is no WIC program or where the number of children served is very small (shown as N/A).

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

# Logan County Profile 2006

## *Child Health Measures Profile* **Child abuse rate**

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
131	5,288	24.8	9.0	10.3

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

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

## *Child Health Measures Profile* **Motor vehicle death rate 0-14** (National Performance Measure 10)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
0	13,126	0.0	4.0	9.2

The measure is the rate of deaths per 100,000 children aged 0-14 caused by motor vehicle crashes, for 2002-2004. The numerator is the sum of all deaths among children age 0 through 14 in 2002, 2003, and 2004. The denominator is the sum of the estimated population of children ages 0 through 14 for 2002, 2003, and 2004. 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 Measures Profile* **Injury hospitalization rate 0-19**

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
90	29,603	304.0	299.8	N/A

The measure is the rate of hospitalization for injuries per 100,000 children age 0 through 19 for the period 2000-2004. The numerator is the sum of all hospitalizations for injuries in 2000, 2001, 2002, 2003 and 2004. The denominator is the sum of the estimated population ages 0 through 19 for 2000, 2001, 2002, 2003 and 2004. 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 230.0.

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

# Logan County Profile 2006

## *Child Health Measures Profile* **Injury hospitalization rate 0-14**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
42	21,713	193.4	202.1	N/A

The measure is the rate of hospitalization for injuries per 100,000 children age 0 through 14 for the period 2000-2004. The numerator is the sum of all hospitalizations for children 0 through 14 for injuries in 2000, 2001, 2002, 2003 and 2004. The denominator is the sum of the estimated population ages 0 through 14 for 2000, 2001, 2002, 2003 and 2004. 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: Injury Epidemiology, Prevention Services Division, Colorado Department of Public Health and Environment.

## *Child Health Measures Profile* **Injury hospitalization rate 15-19**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
48	7,890	608.4	580.4	N/A

The measure is the rate of hospitalization for injuries per 100,000 children age 15 through 19 for the period 2000-2004. The numerator is the sum of all hospitalizations for children 15 through 19 for injuries in 2000, 2001, 2002, 2003 and 2004. The denominator is the sum of the estimated population ages 15 through 19 for 2000, 2001, 2002, 2003 and 2004. 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 450.0.

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

## *Child Health Measures Profile* **Child death rate 1-14** (National Outcome Measure 6)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
3	20,396	14.7	20.3	N/A

The measure is the rate of child deaths per 100,000 children aged 1-14, 2000-2004. The numerator is the sum of all child deaths among children ages 1 through 14 in 2000, 2001, 2002, 2003 and 2004; the denominator is the sum of the estimated population ages 1 through 14 for 2000, 2001, 2002, 2003 and 2004. 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.

# Logan County Profile 2006

## *Child Health Measures Profile*

### **Percent of students with access to 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>
N/A	N/A	N/A	10.9	N/A

The measure is the proportion of children and adolescents attending public schools who have access to basic preventive and primary, physical and behavioral health services through school-based health centers, Fall 2004. The numerator is the number of children in schools that have access to care in school through school-linked or school-based health centers. The denominator is the number of children in public schools. The result is multiplied by 100 to yield a percent. While there is no HP 2010 goal for the measure, the Colorado FY 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

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

### **Family participation degree** (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	17	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 04-05, on a scale of 0 to 18 points. Data shown under County Measure are for HCP regions, and are not available for individual counties. Colorado's 64 counties are divided into 14 HCP (Health Care Program for Children with Special Needs) 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 2010 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 Measures Profile*

### **Personal doctor or nurse** (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	90.0	90.0	N/A

The measure is the estimated percent of children with special health care needs that had a personal doctor or nurse in 2004. The data come from the Colorado Child Health Survey and are specific to children age 1-14 in Colorado. The data shown under the County Measure are regional data, grouped as two regions: Denver metro (Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson) and the rest of the state. No numerators or denominators are 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.

## Logan County Profile 2006

### *Children with Special Health Care Needs Measures Profile* **Received all needed medical care in the past 12 months**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	98.0	97.0	N/A

The measure is the estimated percent of children with special health care needs who received all the medical care they needed in the past 12 months in 2004. The data come from the Colorado Child Health Survey and are specific to children age 1-14 in Colorado. The data shown under the County Measure are regional data, grouped as two regions: Denver metro (Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson) and the rest of the state. No numerators or denominators are 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.

### *Children with Special Health Care Needs Measures Profile* **Health care coverage** (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	91.0	91.0	100.0

The measure is the estimated percent of children with special health care needs who had any kind of health care coverage in 2004. The data come from the Colorado Child Health Survey and are specific to children age 1-14 in Colorado. The data shown under the County Measure are regional data, grouped as two regions: Denver metro (Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson) and the rest of the state. No numerators or denominators are provided.

**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 Measures 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	87.0	92.0	N/A

The measure is the estimated percent of children with special health care needs who did not have a gap in their insurance coverage in the past 12 months in 2004. The data come from the Colorado Child Health Survey and are specific to children age 1-14 in Colorado. The data shown under the County Measure are regional data, grouped as two regions: Denver metro (Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson) and the rest of the state. No numerators or denominators are 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.



# Logan County Profile 2006

## *Children with Special Health Care Needs Measures Profile* **No problems with teeth**

<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	54.0	N/A

The measure is the estimated percent of children with special health care needs who did not have any problems with their teeth in 2004. The data come from the Colorado Child Health Survey and are specific to children age 1-14 in Colorado. The data shown are for Colorado and are not available at the regional or county level. No numerators or denominators are 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.

## *Children with Special Health Care Needs Measures Profile* **Difficulties with emotions, concentration, or behavior**

<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 with special health care needs who had difficulties with emotions, concentration, behavior, or being able to get along with other people in 2004. The data come from the Colorado Child Health Survey and are specific to children age 1-14 in Colorado. The data shown are for Colorado and are not available at the regional or county level. No numerators or denominators are 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 Measures Profile* **Percent of newborns screened for hearing** (National Performance Measure 12)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
236	240	98.3	97.5	N/A

The measure is the percent of newborns who were screened for hearing impairment before hospital discharge in calendar year 2004. The numerator is the number of newborns that underwent the newborn hearing screen at birth. (The numerator refers to births to residents of the county, not to the location of the hospital of birth.) The denominator is the number of live births to residents, with county of residence determined by geocoding the address of the mother. Small differences exist between the newborn screening files and the birth files, but the percentages shown are not substantially affected. While there is no HP 2010 goal for this measure, the Colorado FY 2010 goal is 98.0 percent.

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

# Logan County Profile 2006

## *Infant Health Measures Profile*

### **Percent of births that are very low birth weight**

(National Performance Measure 15)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
8	779	1.0	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 2002-2004. The numerator is the total number of very low birth weight births in 2002, 2003, and 2004. The denominator is the sum of all live births in 2002, 2003, and 2004. 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. 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 Measures Profile*

### **Percent of births that are 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>
48	779	6.2	9.0	5.0

The measure is the low birth weight rate for 2002-2004. The numerator is the sum of the low birth weight (under 2500 grams or 5 pounds, 8 ounces, or less) live births in 2002, 2003, and 2004; the denominator is the sum of all of live births in 2002, 2003, and 2004. 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

## *Infant Health Measures Profile*

### **Percent of very low birth weight births born in Level III hospitals**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
11	15	73.3	73.8	90.0

The measure is the percent of very low birth weight infants delivered at facilities considered to be appropriate for high-risk deliveries and neonates (Level IIIs). 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 2000, 2001, 2002, 2003 and 2004; the denominator is the total number of very low birth weight infants in the same five years. The result is multiplied by 100 to yield the percent.

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

# Logan County Profile 2006

## *Infant Health Measures Profile*

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

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
10	1,296	7.7	6.1	4.5

The measure is the infant mortality rate per 1,000 live births, 2000-2004. The numerator is the sum of all infant (under one year of age) deaths in 2000, 2001, 2002, 2003 and 2004. 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 Measures Profile*

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

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
8	1,296	6.2	4.3	2.9

The measure is the neonatal mortality rate per 1,000 live births, 2000-2004. The numerator is the sum of all neonatal deaths (deaths occurring in the first 28 days of life) in 2000, 2001, 2002, 2003 and 2004. 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 Measures Profile*

### **Black /White infant mortality ratio** (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	3.2	N/A

The measure is the ratio of the black infant mortality rate to the white infant mortality rate, for 2000-2004. The numerator is the black infant mortality rate. The denominator is the white infant mortality rate. The black rate is then divided by the white rate to yield a ratio. The ratio is based on data for the 5-year time period 2000-2004. 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.

# Logan County Profile 2006

## *Infant Health Measures Profile*

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

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
DS	1,296	DS	1.8	1.2

The measure is the postneonatal mortality rate per 1,000 live births, 2000-2004. The numerator is the sum of all postneonatal deaths (deaths occurring after 28 days of life but before one year of age) in 2000, 2001, 2002, 2003 and 2004. 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.

## *Oral Health Measures Profile*

### **Percent with caries experience**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	57.1	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 Measures Profile*

### **Percent with dental sealants** (National Performance Measure 9)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	32.5	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.

## Logan County Profile 2006

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

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	27.8	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.**

### *Oral Health Measures Profile* **Medicaid dental services rate** (State Performance Measure 2)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
1,719	6,349	27.1	31.1	57.0

The measure is the percent of children on Medicaid who received dental services during State Fiscal Year 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.**

### *Perinatal Health Measures Profile* **Percent of births that are unintended**

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	44.1	39.8	30.0

The measure is the proportion of all births (not pregnancies) that are unintended, for the combined period 1999 to 2003. The data derive from five years of surveys of all births. The data shown under County Measure are regional data, grouped according to the 14 State Planning and Management Regions except data are provided for the following 13 counties: Adams, Arapahoe, Boulder, Denver, Douglas, Eagle, El Paso, Garfield, Jefferson, Larimer, Mesa, Pueblo, and Weld. 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.**

# Logan County Profile 2006

## *Perinatal Health Measures Profile*

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

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
184	239	77.0	80.2	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 2004. 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.

## *Perinatal Health Measures Profile*

### **Percent of mothers who initiate breastfeeding** (National Performance Measure 11)

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
N/A	N/A	76.3	85.0	75.0

The measure is the percent of all mothers who initiate breastfeeding with their newborns, for the period 1999-2003. The data derive from five years of surveys of all births. The data shown under County Measure are regional data, grouped according to the 14 State Planning and Management Regions, except data are provided for the following 13 counties: Adams, Arapahoe, Boulder, Denver, Douglas, Eagle, El Paso, Garfield, Jefferson, Larimer, Mesa, Pueblo, and Weld. Numerators and denominators are not provided. Since the National 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 Measures Profile*

### **Percent of women with 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	30.4	23.3	N/A

The measure is the percent of women who gain an inadequate amount of weight during pregnancy, for the period 1999-2003. The data derive from five years of surveys of all births. The data shown under County Measure are regional, grouped according to the 14 state Planning and Management Regions except data are provided for the following 13 counties: Adams, Arapahoe, Boulder, Denver, Douglas, Eagle, El Paso, Garfield, Jefferson, Larimer, Mesa, Pueblo, and Weld. 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.

# Logan County Profile 2006

## *Perinatal Health Measures Profile*

### **Percent of women who smoke 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	23.6	20.7	N/A

The measure is the percent of women who smoke during the three months before pregnancy, for the period 1999-2003. The data derive from five years of surveys of all births. The data shown under County Measure are regional, grouped according to the 14 state Planning and Management Regions except data are provided for the following 13 counties: Adams, Arapahoe, Boulder, Denver, Douglas, Eagle, El Paso, Garfield, Jefferson, Larimer, Mesa, Pueblo, and Weld. 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.**

## *Perinatal Health Measures Profile*

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

<b>Numerator</b>	<b>Denominator</b>	<b>County Measure</b>	<b>Colorado Measure</b>	<b>HP 2010 Goal</b>
10	1,300	7.7	6.4	4.5

The measure is the perinatal mortality rate per 1,000 live births, 2000-2004. 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 2000, 2001, 2002, 2003 and 2004. 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.**