

Logan County MCH Data Set 2009

Adolescent Health Profile.....	3
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
Child Health Profile.....	5
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	
Child Health Plan Plus (CHP+) enrollees*.....	6
Health insurance coverage*.....	7
No gap in health insurance coverage.....	7
Medicaid enrollees*.....	7
Personal doctor or nurse.....	8
School-based health care.....	8
Schools with school-based health centers*.....	8
Student access to school-based health care*.....	8
Immunization	
Children with two or more records in the Colorado Immunization Information System*.....	9
Immunizations providers linked to Colorado Immunization Information System*.....	9
Injury hospitalizations 0-19.....	9
Injury hospitalizations 0-14.....	10
Overweight and obese*.....	10
Children with Special Health Care Needs (CSHCN) Profile.....	10
Family participation (CSHCN)*.....	10
Infant Health Profile.....	11
Infant mortality*.....	11
Black /White infant mortality.....	11
Neonatal mortality.....	11
Newborn hearing screening.....	12

* Indicates measure is used in the Colorado Department of Public Health and Environment MCH Checklists for local health departments.

Logan County MCH Data Set 2009

Low birth weight*	12
Very low birth weight	12
Very low birth weight births born in Level III hospitals	13
Postneonatal mortality	13
Oral Health Profile	13
Caries experience	13
Dental sealants	14
Medicaid dental services*	14
Untreated decay	14
Perinatal Health Profile	15
Breastfeeding initiation*	15
First trimester prenatal care*	15
Inadequate weight gain during pregnancy*	15
Perinatal mortality	16
Smoking during the three months before pregnancy*	16
Smoking during the last three months of pregnancy*	16
Unintended births*	17

* Indicates measure is used in the Colorado Department of Public Health and Environment MCH Checklists for local health departments.

Logan County MCH Data Set 2009

Adolescent Health Profile

Teen fertility 15-17

(National Performance Measure 8)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
30	1,201	25.0	23.2	43.0

The measure is the rate of births per 1,000 teens ages 15 through 17 for 2005-2007. The numerator is the total number of births to teens in 2005, 2006, and 2007. The denominator is the sum of the estimated population of females ages 15 through 17 for 2005, 2006, and 2007. 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 for 21 births per 1,000 teens.

Source: Numerator: Health Statistics and Vital Records, 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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
9	30	30.0	60.8	N/A

The measure is the percent of births to Latina teens ages 15 through 17 for 2005-2007. The numerator is the total number of births to Latina teens ages 15 through 17 in 2005, 2006, and 2007. The denominator is the total number of births to all teens ages 15 through 17 in 2005, 2006, and 2007. 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
0	6,829	0.0	5.6	3.0

The measure is the rate of homicides per 100,000 teens ages 15 through 19 for 2003-2007. The numerator is the sum of all homicides among teens 15 through 19 in 2003, 2004, 2005, 2006, and 2007. The denominator is the sum of the estimated population ages 15 through 19 for 2003, 2004, 2005, 2006, and 2007. 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: State Demography Office, Colorado Department of Local Affairs.

Logan County MCH Data Set 2009

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
46	6,829	673.6	495.8	N/A

The measure is the rate of hospitalization for injuries per 100,000 teens ages 15 through 19 for the period 2003-2007. The numerator is the sum of all hospitalizations for injuries of teens ages 15 through 19 in 2003, 2004, 2005, 2006, and 2007. The denominator is the sum of the estimated population of teens ages 15 through 19 in 2003, 2004, 2005, 2006, and 2007. 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. Rates can be affected by small numbers, and caution should be used with these data. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. If the county measure is higher than the state measure, data are available by cause of injury at the county level upon request. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 450.0.

Source: Numerator: Injury Epidemiology, Prevention Services Division, Colorado Department of Public Health and Environment.
Denominator: State Demography Office, Colorado Department of Local Affairs.

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
DS	3,991	DS	18.2	9.2

The measure is the rate of deaths per 100,000 teens ages 15 through 19 caused by motor vehicle crashes for 2005-2007. The numerator is the total number of motor vehicle related deaths to teens ages 15 through 19 in 2005, 2006, and 2007. The denominator is the sum of the estimated population of teens ages 15 through 19 for 2005, 2006, and 2007. 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: State Demography Office, Colorado Department of Local Affairs.

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
DS	6,829	DS	11.2	5.0

The measure is the rate of suicide deaths per 100,000 teens ages 15 through 19 for 2003-2007. The numerator is the total number of deaths to teens ages 15 through 19 in 2003, 2004, 2005, 2006, and 2007. The denominator is the sum of the estimated population of teens ages 15 through 19 for 2003, 2004, 2005, 2006, and 2007. 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: State Demography Office, Colorado Department of Local Affairs.

Logan County MCH Data Set 2009

Child Health Profile

Child abuse

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
128	5,009	25.6	9.0	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 2006. 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: State Demography Office, Colorado Department of Local Affairs.

Child Health Profile

Child care centers using child care health consultants

(State Performance Measure 9)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
13	13	100	90.0	N/A

The measure is the percent of child care centers that reported using a child health care consultant in the spring of 2008. 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 2008 by 100 percent of all centers in 42 counties and by at least 90 percent of all centers in Broomfield, Denver, Douglas, El Paso, Garfield, Larimer, Pitkin, Pueblo, and Weld counties. Surveys were returned by at least 80 percent of all centers in Adams, Arapahoe, Eagle, Grand, Jefferson, Mesa, Morgan, and Prowers counties and by 70 percent of all centers in Chaffee County. Hinsdale, Jackson, Ouray, and Park counties saw a response rate of 50 percent, the lowest in the state.

Source: Qualistar Early Learning, Spring 2008 Survey.

Child Health Profile

Child deaths 1-14

(National Outcome Measure 6)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
DS	20,120	DS	18.2	N/A

The measure is the rate of child deaths per 100,000 children ages 1 through 14 for 2003-2007. The numerator is the sum of all deaths among children ages 1 through 14 in 2003, 2004, 2005, 2006, and 2007. The denominator is the sum of the estimated population of children ages 1 through 14 for 2003, 2004, 2005, 2006, and 2007. 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. If the county measure is higher than the state measure, data are available by cause of death at the county level upon request. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 17.0.

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

Logan County MCH Data Set 2009

Child Health Profile **Motor vehicle deaths 0-14** (National Performance Measure 10)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
0	12,612	0.0	3.1	9.2

The measure is the rate of deaths per 100,000 children ages 0 through 14 caused by motor vehicle crashes for 2005-2007. The numerator is the sum of all deaths among children ages 0 through 14 in 2005, 2006, and 2007. The denominator is the sum of the estimated population of children ages 0 through 14 for 2005, 2006, and 2007. 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 through 14.

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

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

Child Health Profile **Children with social/emotional difficulties** (State Performance Measure 8)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	N/A	27.2	N/A

The measure is the estimated percent of children ages 1 through 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 2006-2007. Numerators and denominators are not provided. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 26.0 percent.

County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for Broomfield, Delta, Eagle, Garfield, Grand, Gunnison, Hinsdale, Montrose, Ouray, Pitkin, San Miguel, and Summit. No data are available for other counties or Health Statistics Regions.

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

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
447	5,254	8.5	6.1	N/A

The measure is the estimated percentage of children ages 0 through 18 who were enrolled in the Child Health Plan Plus (CHP+) program at some time between July 2007 and June 2008. Children qualify for the program when their family income is at or below 200 percent of the federal poverty guideline (205 percent beginning in April 2008). Upon enrollment, coverage lasts for 12 months.

The numerator is the number of children in the county enrolled in CHP+. The denominator is the estimated total number of children ages 0 through 18 in the county in 2008. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value less than 30. There is no HP 2010 or Colorado 2010 goal for this measure.

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

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

Logan County MCH Data Set 2009

Child Health Profile

Health insurance coverage

(National Performance Measure 13)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	N/A	88.0	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 2006-2007. Numerators and denominators are not provided.

County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for Archuleta, Broomfield, Delta, Dolores, Eagle, Garfield, Grand, Gunnison, Hinsdale, La Plata, Montezuma, Montrose, Ouray, Pitkin, San Juan, San Miguel, and Summit. No data are available for other counties or Health Statistics Regions.

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

Child Health Profile

No gap in health insurance coverage

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	N/A	91.0	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 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 2006-2007. Numerators and denominators are not provided. There is no HP 2010 goal or Colorado 2010 goal for this measure.

County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for Broomfield, Delta, Eagle, Garfield, Grand, Gunnison, Hinsdale, Montrose, Ouray, Pitkin, San Miguel, and Summit. No data are available for other counties or Health Statistics Regions.

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

Child Health Profile

Medicaid enrollees

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
1,397	5,254	26.6	23.4	N/A

The measure is the estimated percentage of children ages 0 through 18 who were enrolled in Medicaid in state FY 2008 (July 2007-June 2008). 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 county. The denominator is the total estimated number of children ages 0 through 18 in the county in 2008. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value less than 30. There is no HP 2010 or Colorado 2010 goal for this measure.

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

Logan County MCH Data Set 2009

Child Health Profile **Personal doctor or nurse**

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	N/A	61.5	N/A

The measure is the estimated percent of children ages 1 through 14 who have a personal doctor or nurse. 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 2006-2007. Numerators and denominators are not provided. There is no HP 2010 goal or Colorado 2010 goal for this measure.

County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for Broomfield, Delta, Eagle, Garfield, Grand, Gunnison, Hinsdale, Montrose, Ouray, Pitkin, San Miguel, and Summit. No data are available for other counties or Health Statistics Regions.

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

Child Health Profile **Schools with school-based health centers**

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
0	N/A	0	39	N/A

The measure is the number of public schools in the county that had an on-site school-based health center in the fall of 2007. 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 vans. A medical van visits 11 schools in Aurora (Adams and Arapahoe counties). A dental van visits schools in Aurora, Cherry Creek, and Adams School Districts 14 and 50. The vans, both from Rocky Mountain Youth Clinics, visit other suburban and rural locations across the state upon request.

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

Child Health Profile **Student access to school-based health care**

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	N/A	6.9	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 2007. The numerator is the number of students in the county 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 county. The result is multiplied by 100 to yield a percent. There is no HP 2010 goal or Colorado 2010 goal for this measure.

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

Logan County MCH Data Set 2009

Child Health Profile

Children with two or more records in the Colorado Immunization Information System

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
1,220	1,496	81.6	80.9	N/A

The measure is the percent of children ages 0 through 5 in a county with two or more records in the Colorado Immunization Information System as of September 2008. Two or more records indicate that the child has received some or all required immunizations.

The numerator is the number of children with two or more immunization records in the system. The denominator is the estimated population of children ages 0 through 5 in the county in 2008. Percentages greater than 100 percent for a county suggest that the estimate of the number of children in the county is underestimated. There is no HP 2010 goal and no Colorado 2010 goal.

Source: Numerator: Colorado Immunization Information System September 2008 Report.

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

Child Health Profile

Immunization providers linked to Colorado Immunization Information System

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
5	7	71.4	56.9	N/A

The measure is the percent of immunization providers in a county who were linked to the Colorado Immunization Information System as of October 2008. The numerator is the number of immunization providers in a county who were 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 October 2008 Report.

Child Health Profile

Injury hospitalizations 0-19

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
80	28,140	284.3	260.9	N/A

The measure is the rate of hospitalization for injuries per 100,000 children and adolescents ages 0 through 19 for 2003-2007. The numerator is the sum of all hospitalizations for injuries of children and adolescents ages 0 through 19 in 2003, 2004, 2005, 2006, and 2007. 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. Rates can be affected by small numbers, and caution should be used with these data. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. If the county measure is higher than the state measure, data are available by cause of injury at the county level upon request. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 230.0.

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

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

Logan County MCH Data Set 2009

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
34	21,311	159.5	178.1	N/A

The measure is the rate of hospitalization for injuries per 100,000 children ages 0 through 14 for 2003-2007. The numerator is the sum of all hospitalizations for injuries of children ages 0 through 14 in 2003, 2004, 2005, 2006, and 2007. 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. Rates can be affected by small numbers, and caution should be used with these data. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. If the county measure is higher than the state measure, data are available by cause of injury at the county level upon request. While there is no HP 2010 goal for the measure, the Colorado 2010 goal is 150.0.

Source: Numerator: Injury Epidemiology, Prevention Services Division, Colorado Dept. of Public Health and Environment.
Denominator: State Demography Office, Colorado Department of Local Affairs.

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	N/A	27.8	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 2006-2007. Numerators and denominators are not provided. The HP 2010 goal is for ages 6 through 19.

County level data are provided for Adams, Arapahoe, Boulder, Denver, Douglas, El Paso, Jefferson, Larimer, Mesa, Pueblo, and Weld. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for Broomfield, Delta, Eagle, Garfield, Grand, Gunnison, Hinsdale, Montrose, Ouray, Pitkin, San Miguel, and Summit. No data are available for other counties or Health Statistics Regions.

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

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	7	14	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 2006-2007. Scoring is on a scale of 0 to 18 points and scores are provided for the home counties of the Health Care Program regional offices (see FAQs). Low scores may indicate startup regional offices or vacancies. 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.

Logan County MCH Data Set 2009

Infant Health Profile **Infant mortality** (National Outcome Measure 1)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
8	1,212	6.6	6.1	4.5

The measure is the infant mortality rate per 1,000 live births for 2003-2007. The numerator is the sum of all infant (under one year of age) deaths in 2003, 2004, 2005, 2006, and 2007. 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)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	N/A	2.7	N/A

The measure is the ratio of the black infant mortality rate to the white infant mortality rate for 2003-2007. 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 2003-2007. 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 2.0.

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

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

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
7	1,212	5.8	4.4	2.9

The measure is the neonatal mortality rate per 1,000 live births for 2003-2007. The numerator is the sum of all neonatal deaths (deaths occurring in the first 28 days of life) in 2003, 2004, 2005, 2006, and 2007. 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.

Logan County MCH Data Set 2009

Infant Health Profile

Newborn hearing screening (National Performance Measure 12)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
220	220	100	97.6	N/A

The measure is the percent of newborns who were screened for hearing impairment before hospital discharge in 2007. The numerator is the number of infants born to Colorado residents who gave birth in Colorado that underwent the newborn hearing screening at birth. 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	County Measure	Colorado Measure	HP 2010 Goal
47	696	6.8	9.1	5.0

The measure is the low birth weight rate for 2005-2007. The numerator is the sum of the low birth weight (under 2500 grams or 5 pounds, 8 ounces or less) live births in 2005, 2006, and 2007. The denominator is the sum of all live births in 2005, 2006, and 2007. 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 Profile

Very low birth weight

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
5	696	0.7	1.3	0.9

The measure is the very low birth weight rate for 2005-2007. 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 2005, 2006, and 2007. The denominator is the sum of all live births in 2005, 2006, and 2007. 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.

Logan County MCH Data Set 2009

Infant Health Profile

Very low birth weight births born in Level III hospitals (National Performance Measure 17)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
8	10	80.0	84.0	90.0

The measure is the percent of very low birth weight infants delivered from 2003-2007 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 2003, 2004, 2005, 2006, and 2007. 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>). 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)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
DS	1,212	DS	1.7	1.2

The measure is the postneonatal mortality rate per 1,000 live births, 2003-2007. The numerator is the sum of all postneonatal deaths (deaths occurring after 28 days of life but before one year of age) in 2003, 2004, 2005, 2006, and 2007. 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 Profile

Caries experience

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	58.3	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

The data shown are 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 MCH Data Set 2009

Oral Health Profile
Dental sealants
(National Performance Measure 9)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	35.1	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 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
522	1,397	37.4	41.6	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. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value less than 30. The Colorado 2010 goal is 37.0 percent.

Source: Colorado Department of Health Care Policy and Financing.

Oral Health Profile
Untreated decay

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	25.2	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 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 MCH Data Set 2009

Perinatal Health Profile

Breastfeeding initiation

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	72.6	88.4	75.0

The measure is the percent of all mothers who initiate breastfeeding with their newborns, for the period 2003-2007. The data shown are from five years of surveys of all births. Numerators and denominators are not provided. Since the HP 2010 goal of 75.0 percent has been met by Colorado, the Colorado 2010 goal was set at County level data are provided for Adams, Alamosa, Arapahoe, Baca, Boulder, Crowley, Delta, Denver, Douglas, Eagle, El Paso, Fremont, Garfield, Jefferson, Kiowa, Lake, La Plata, Larimer, Lincoln, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Pitkin, Prowers, Pueblo, Routt, Summit, Teller, Weld, and Yuma. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for all other counties.

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
171	220	77.7	78.0	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 2007. 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. 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 Profile

Inadequate weight gain during pregnancy (State Performance Measure 3)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	23.6	24.2	N/A

The measure is the percent of women who gain an inadequate amount of weight during pregnancy, for the period 2003-2007. The data shown are from five years of surveys of all births. Numerators and denominators are not provided. While there is no HP 2010 goal for this measure, the Colorado 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.

County level data are provided for Adams, Alamosa, Arapahoe, Baca, Boulder, Crowley, Delta, Denver, Douglas, Eagle, El Paso, Fremont, Garfield, Jefferson, Kiowa, Lake, La Plata, Larimer, Lincoln, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Pitkin, Prowers, Pueblo, Routt, Summit, Teller, Weld, and Yuma. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for all other counties.

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

Logan County MCH Data Set 2009

Perinatal Health Profile

Perinatal mortality

(National Outcome Measure 5)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
7	1,215	5.8	6.4	4.5

The measure is the perinatal mortality rate per 1,000 live births for 2003-2007. 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 2003, 2004, 2005, 2006, and 2007. 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)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	35.9	20.2	N/A

The measure is the percent of women who smoked during the three months before pregnancy, for the period 2003-2007. The data shown are from five years of surveys of all births. Numerators and denominators are not provided. While there is no HP 2010 goal for this measure, the Colorado 2010 goal is 19.0 percent.

County level data are provided for Adams, Alamosa, Arapahoe, Baca, Boulder, Crowley, Delta, Denver, Douglas, Eagle, El Paso, Fremont, Garfield, Jefferson, Kiowa, Lake, La Plata, Larimer, Lincoln, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Pitkin, Prowers, Pueblo, Routt, Summit, Teller, Weld, and Yuma. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for all other

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

Smoking during the last three months of pregnancy

(National Performance Measure 15)

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	26.9	10.4	N/A

The measure is the percent of women who smoked during the last three months of pregnancy, for the period 2003-2007. The data shown are from five years of surveys of a weighted sample of all births. Numerators and denominators are not provided. While there is no HP 2010 goal for this measure, the Colorado 2010 goal is for no more than 8.0 percent of women to be smoking in the last trimester of pregnancy.

County level data are provided for Adams, Alamosa, Arapahoe, Baca, Boulder, Crowley, Delta, Denver, Douglas, Eagle, El Paso, Fremont, Garfield, Jefferson, Kiowa, Lake, La Plata, Larimer, Lincoln, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Pitkin, Prowers, Pueblo, Routt, Summit, Teller, Weld, and Yuma. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for all other

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

Logan County MCH Data Set 2009

Perinatal Health Profile **Unintended births**

Numerator	Denominator	County Measure	Colorado Measure	HP 2010 Goal
N/A	N/A	42.3	39.4	30.0

The measure is the percent of all births (not pregnancies) that are unintended, for the period 2003-2007. The data shown are from five years of surveys of all births. Numerators and denominators are not provided.

County level data are provided for Adams, Alamosa, Arapahoe, Baca, Boulder, Crowley, Delta, Denver, Douglas, Eagle, El Paso, Fremont, Garfield, Jefferson, Kiowa, Lake, La Plata, Larimer, Lincoln, Logan, Mesa, Moffat, Montezuma, Montrose, Morgan, Otero, Park, Pitkin, Prowers, Pueblo, Routt, Summit, Teller, Weld, and Yuma. Appropriate Health Statistics Regions data (see FAQs for list of counties by region) are shown for all other counties.

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