

Child and Adolescent Health

The following table and maps provide information on how Garfield County ranks relative to the comparison counties and the State of Colorado on selected measures of child and adolescent health. We chose to look at some of these measures because of concerns expressed during focus group discussions with Garfield County human services providers, school district personnel, healthcare providers, and citizens about these important determinants of health. (Please see the *Qualitative Data* section, above.)

The following measures are portrayed in Table 19:

Teen Fertility. This measure is the rate of births per 1,000 teens ages 15-17 for 2003-2005. The numerator is the total number of births to teens in 2003, 2004, and 2005. The denominator is the sum of the estimated population of females ages 15 through 17 for the same years. The result is multiplied by 1,000 to obtain the average rate for the 3-year period. Data are calculated by the county of residence of the teen. DS indicates data that are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. The national, *Healthy People 2010* goal refers to pregnancies, not births. The Colorado 2010 goal is 21 births per 1,000 teens. Data source: Numerator -- Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator -- Demography Section, Colorado Department of Local Affairs.

Teen Injury Hospitalizations. This measure is the rate of hospitalization for injuries per 100,000 teens ages 15-19 for the period 2000-2005. The numerator is the sum of all hospitalizations for injuries of teens ages 15-19 in 2000, 2001, 2002, 2003, 2004, and 2005. The denominator is the sum of the estimated population of teens ages 15 through 19 for the same years. The result is multiplied by 100,000 to yield the average rate for the 6-year period. Rates can be affected by small numbers, and caution should be used with these data. While there is no *Healthy Persons 2010* goal for this measure, the Colorado 2010 goal is a rate of 450.0. Data Source: Injury Epidemiology, Prevention Services Division, Colorado Department of Public Health and Environment.

Teen Suicide. This measure is the rate of suicide deaths per 100,000 teens ages 15-19 for 2001-2005. The numerator is the total number of teen suicide deaths in 2001, 2002, 2003, 2004, and 2005. The denominator is the sum of the estimated population of teens ages 15 through 19 for these same years. The result is multiplied by 100,000 to obtain the average rate for the five-year period. DS indicates that data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. Data Source: Numerator -- Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator -- Demography Section, Colorado Department of Local Affairs.

Teen Motor Vehicle Deaths. This measure is the rate of deaths per 100,000 teens ages 15-19 that were caused by motor vehicle crashes for 2003-2005. The numerator is the total number of deaths to teens in 2003, 2004, and 2005. The result is multiplied by 100,000 to obtain the average rate for the 3-year period. DS indicates that data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. Data Source: Numerator -- Health Statistics and Vital Records,

Colorado Department of Public Health and Environment. Denominator -- Demography Section, Colorado Department of Local Affairs.

Child Abuse. This measure is the rate of maltreatment (including physical abuse, sexual abuse, emotional abuse and/or neglect) of children younger than 18 in calendar year 2005. The value shown reflects the number of unique substantiated cases per 1,000 children less than 18 years of age in a county. Data source: Numerator – Colorado Central Registry, Colorado Department of Human Services. Denominator – Demography Section, Colorado Department of Local Affairs.

Child Deaths. This measure is the rate of child deaths per 100,000 children ages 1-14 for 2001-2005. The numerator is the sum of all child deaths among children ages 1 through 14 in 2001, 2002, 2003, 2004 and 2005. The result is multiplied by 100,000 to obtain the average five-year rate for child deaths. While there is no *Healthy People 2010* goal for this measure, the Colorado goal is 19.0. Data Source: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator -- Demography Section, Colorado Department of Local Affairs.

Child Motor Vehicle Deaths. This measure is the rate of deaths per 100,000 children ages 0-14 caused by motor vehicle crashes for 2003-2005. The numerator is the sum of all deaths among children ages 0-14 in 2003, 2004, and 2005. 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 obtain the average 3-year rate for child motor vehicle deaths. DS indicates data are suppressed for confidentiality when the numerator or denominator has a value of 1 or 2. The *Healthy People 2010* goal is for ages, not specifically for ages 0-14. Data Source: Health Statistics and Vital Records, Colorado Department of Public Health and Environment. Denominator -- Demography Section, Colorado Department of Local Affairs.

Child Injury Hospitalizations. This measure is the rate of hospitalization for injuries per 100,000 children ages 0-14 for 2000-2005. The numerator is the sum of all hospitalizations for injuries of children ages 0-14 in 2000, 2001, 2003, 2003, 2004 and 2005. The denominator is the sum of the estimated population ages 0 through 14 for the same years. The result is multiplied by 100,000 to obtain the average 6-year rate for child injury hospitalizations. Rates can be affected by small numbers, and caution should be used with these data. While there is no *Healthy People 2010* goal for this measure, the Colorado 1020 goal is a rate of 150.0. Data Source: Injury Epidemiology, Prevention Services Division, Colorado Department of Public Health and Environment.

Children with Social Emotional Difficulties. This measure is the estimated percent of children ages 1-14 who have difficulties with emotions, concentration, behavior, or being able to get along with other people. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 in Colorado in 2004-2005. Numerators and denominators are not provided. Data for Garfield and Mesa Counties are Planning and Management Region data. No data are available for Delta and Montrose Counties. Data Source: Child Health Survey, Health Statistics Section, Colorado Department of Public Health and Environment.

Dental Care Received. This measure is the estimated percent of children ages 1-14 who received needed dental care in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children age 1 through 14 living in Colorado in 2004-2005. Numerators and denominators are not provided. Planning and Management Region data are used for Garfield and Mesa Counties. No data are available for Delta and Montrose Counties. There are no *Healthy People 2010* or Colorado goals for this measure. Data Source: Child Health Survey, Health Statistics Section, Colorado Department of Public Health and Environment.

Health Insurance Coverage. This measure is the estimated percent of children ages 1-14 who had any kind of health care coverage, including health insurance, pre-paid plans, or government plans. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 living in Colorado in 2004-2005. Planning and Management Region data are shown for Garfield and Mesa Counties. No data are available for Delta and Montrose Counties. Numerators and denominators are not provided. Data Source: Child Health Survey, Colorado Department of Public Health and Environment.

Medical Care Received. This measure is the estimated percent of children ages 1-14 who received all the medical care they needed in the 12 months before the survey. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 living in Colorado in 2004-2005. Planning and Management Region data are shown for Garfield and Mesa Counties. No data are available for Delta and Montrose Counties. Numerators and denominators are not provided. There are no *Healthy People 2010* or Colorado 2010 goals for this measure. Data Source: Child Health Survey, Colorado Department of Public Health and Environment.

Personal Doctor or Nurse. This measure is the estimated percent of children ages 1-14 who have a personal doctor or nurse. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 living in Colorado in 2004-2005. Planning and Management Region data are shown for Garfield and Mesa Counties. No data are available for Delta and Montrose Counties. Numerators and denominators are not provided. There are no *Healthy People 2010* or Colorado 2010 goals for this measure. Data Source: Child Health Survey, Colorado Department of Public Health and Environment.

Overweight. This measure is the percentage of children, ages 2-14, who's BMI (body mass index) is at or above 85 percent of normal weight for height. The data combine two years of results from the Colorado Child Health Survey and are specific to children ages 1 through 14 living in Colorado in 2004-2005. Planning and Management Region data are shown for Garfield and Mesa Counties. No data are available for Delta and Montrose Counties. Numerators and denominators are not provided. Data Source: Child Health Survey, Health Statistics Section, Colorado Department of Public Health and Environment.

Table 19. Child and Adolescent Health by County

Measure	Delta County			Garfield County		
	Numerator	Denominator	County Measure	Numerator	Denominator	County Measure
Teen Fertility (15-19)	52	1,921	27.1	77	3,258	23.6
Teen Injury Hospitalizations (15-19)	95	12,476	761.5	134	21,175	632.8
Teen Suicide	4	10,752	37.2	0	18,185	12.1
Teen Motor Vehicle Deaths (15-19)	DS	6,510	DS	3	11,059	27.1
Child Abuse	46	6,933	6.6	78	13,833	5.6
Child Deaths (1-14)	9	26,204	34.3	18	50,698	35.5
Child Motor Vehicle Deaths (0-14)	N/A	N/A	N/A	N/A	N/A	91.9
Injury Hospitalizations (0-14)	93	33,264	279.6	121	64,738	186.9
Children with Social Emotional Difficulties	N/A	N/A	N/A	N/A	N/A	34.5
Dental Care Received	N/A	N/A	N/A	N/A	N/A	79.5
Health Insurance Coverage	N/A	N/A	N/A	N/A	N/A	79.5
Medical Care Received	N/A	N/A	N/A	N/A	N/A	98.4
Personal Doctor or Nurse	N/A	N/A	N/A	N/A	N/A	76.8
Overweight	N/A	N/A	N/A	N/A	N/A	16.3

Mesa County

Montrose County

Colorado

People
2010

Measure	County Measure		County Measure		County Measure		Goal	
	Numerator	Denominator	Numerator	Denominator	Numerator	Denominator		
Teen Fertility (15-19)	224	8,284	27		59	2,430	24.4	43
Teen Injury Hospitalizations (15-19)	464	58,924	787.5		81	16,021	573.3	N/A
Teen Suicide	7	50,268	13.9		DS	13,661	12.1	5
Teen Motor Vehicle Deaths (15-19)	7	30,520	22.9		4	8,168	26.2	9.2
Child Abuse	412	31,026	13.3		76	9,630	9.2	10.3
Child Deaths (1-14)	26	115,227	22.6		7	36,012	20	N/A
Child Motor Vehicle Deaths (0-14)	N/A	N/A	91.9		N/A	N/A	91.6	N/A
Injury Hospitalizations (0-14)	364	146,958	247.7		73	45,499	198.3	N/A
Children with Social Emotional Difficulties	N/A	N/A	34.5		N/A	N/A	28.9	N/A
Dental Care Received	N/A	N/A	79.5		N/A	N/A	87.9	100
Health Insurance Coverage	N/A	N/A	79.5		N/A	N/A	87.9	100
Medical Care Received	N/A	N/A	98.4		N/A	N/A	98.5	N/A
Personal Doctor or Nurse	N/A	N/A	76.8		N/A	N/A	77.6	N/A
Overweight	N/A	N/A	16.3		N/A	N/A	14.5	5

Figure 33. Teen Suicide (Ages 15-19)

Healthy People 2010 Goal: Reduce suicides to no more than 5.0 per 100,000 youth aged 15-19.

County rates are 2001-2005 five-year averages, except for Broomfield which is 2002-2005 only.

The state rate is 12.1.

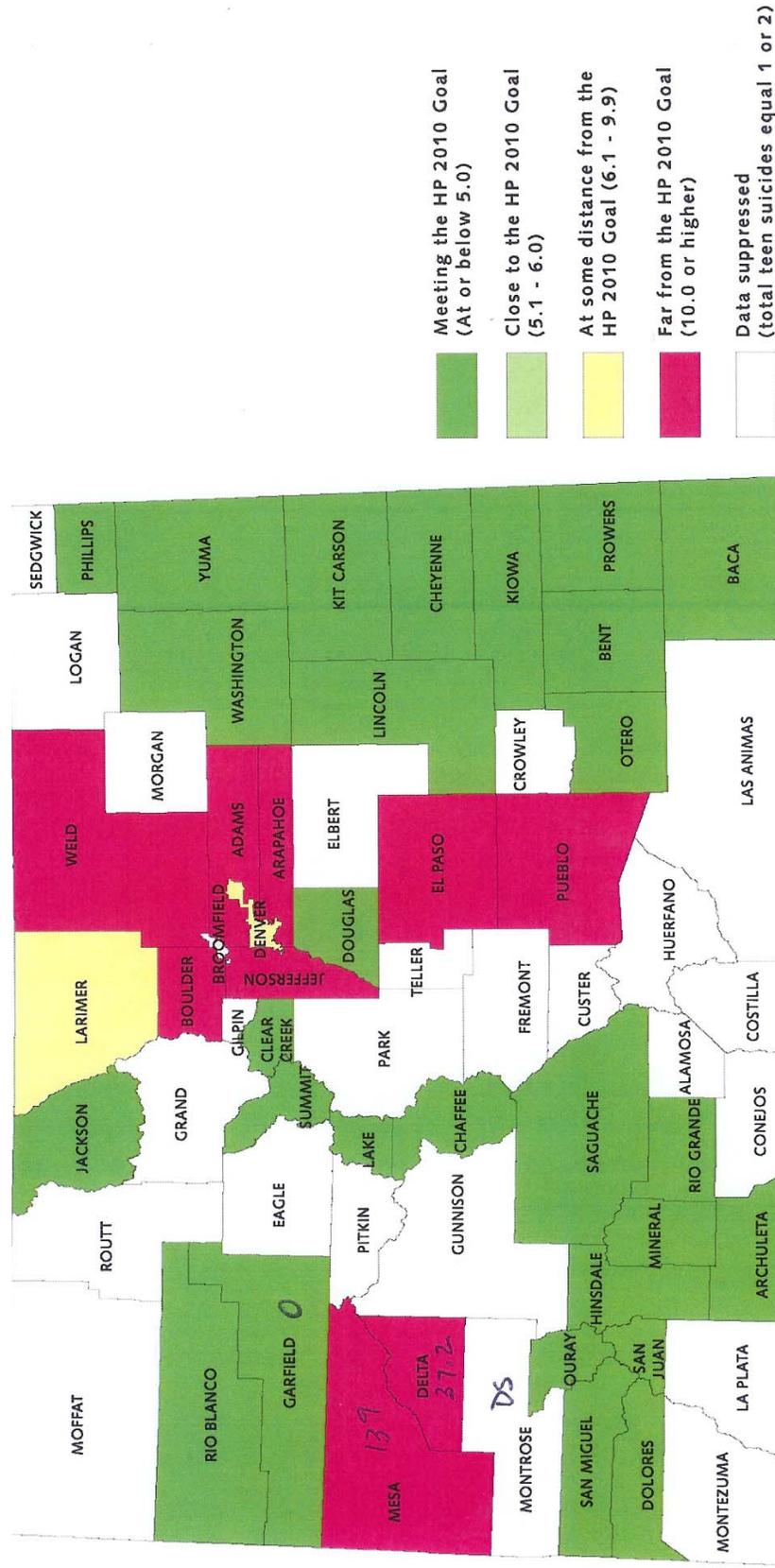


Figure 34. Child Abuse (Number per 1,000)

Healthy People 2010 Goal: Reduce the incidence of maltreatment of children younger than 18 (including physical abuse, sexual abuse, emotional abuse, and/or neglect) to 10.3 or below.

County rates are for calendar year 2005. The state rate is 9.2 per 1,000.

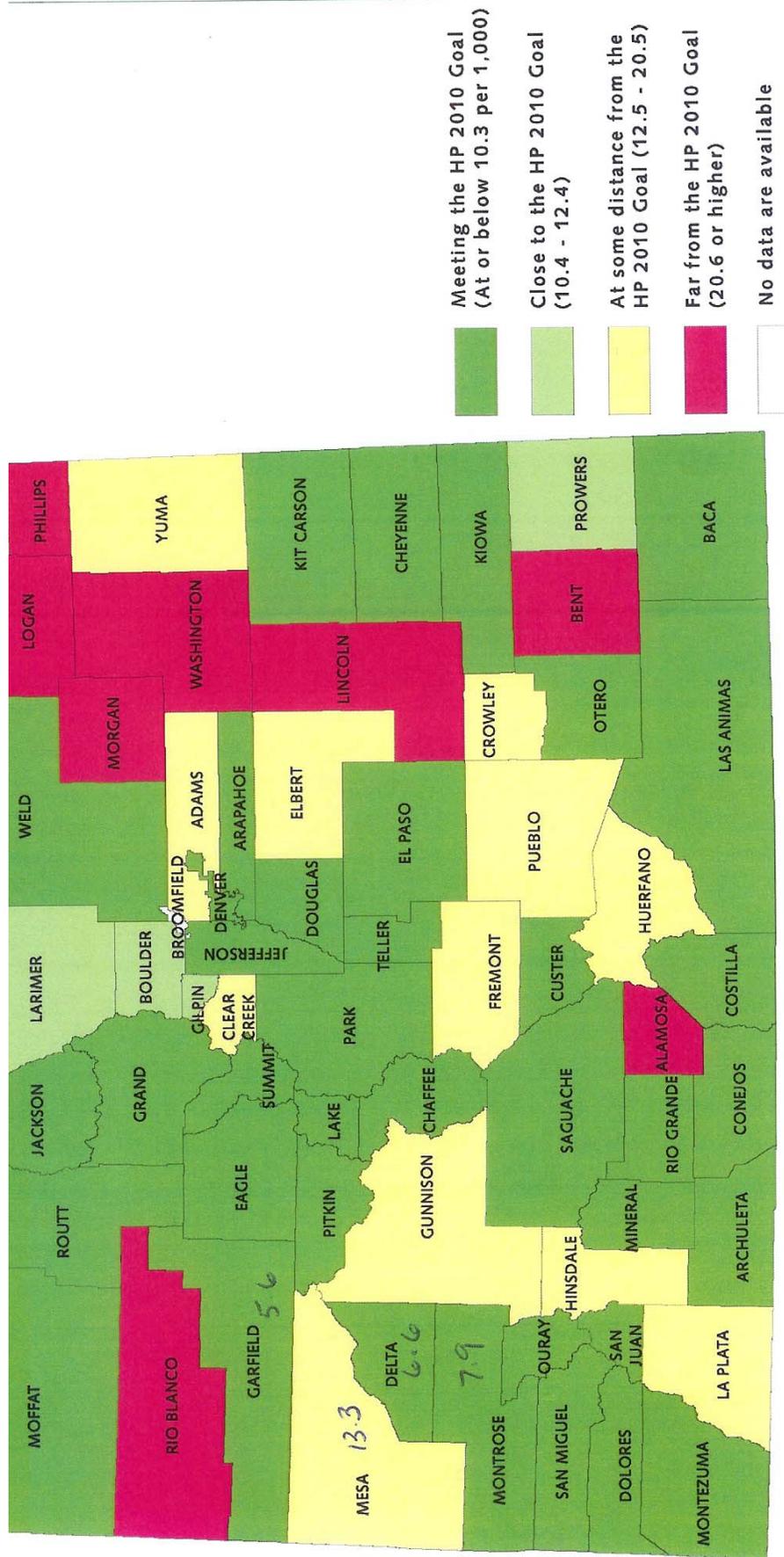


Figure 35. Child Deaths (Ages 1-14)
 Number per 100,000

Colorado 2010 Goal: Reduce the death rate of children to no more than 19.0 deaths per 100,000 children aged 1-14.

County rates are 2001-2005 five-year averages, except for Broomfield which is 2002-2005 only.

The state rate is 20.0.

