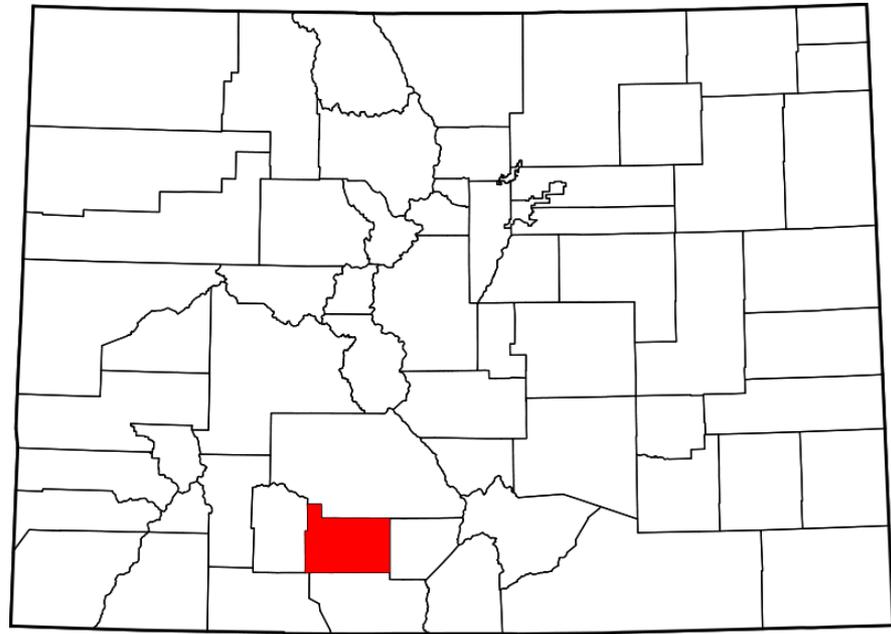


# Public Health Assessment

Rio Grande County



# Public Health Planning

- A Strategic Approach to Community Health Improvement
- Vision: Communities achieving improved health and quality of life by mobilizing partnerships and taking strategic action.

# Public Health Planning

- What does a healthy Rio Grande County mean?
- What are important characteristics of a healthy community for all who live, work and play here?

# Public Health Planning

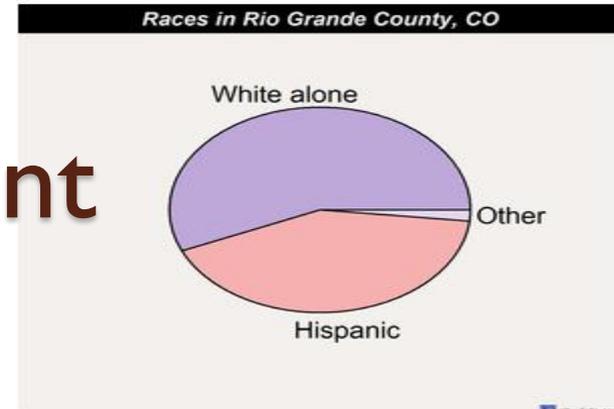
- What does the data say that our priorities should be?

# Population Assessment

**Colorado Regional Health Profiles**  
 Source: Colorado State Demography Office,  
 2009-based population estimates, 2009.

		Rio Grande County	Region 8	Colorado
Total Population:	Total 2009 population	<b>12,575</b>	47,959	5,074,567
Age Under 1 Year:	# of infants under 1 year of age	<b>155</b>	635	70,707
Age 1 to 14 Years:	# of children age 1 to 14 years	<b>2490</b>	9,376	969,695
Age 15 to 19 Years:	# of teens age 15 to 19 years	<b>826</b>	3,841	362,423
Age 20 to 44 Years:	# of adults age 20 to 44 years	<b>3358</b>	14,189	1,797,011
Age 45 to 64 Years:	# of adults age 45 to 64 years	<b>3594</b>	13,098	1,358,328
Age 65+ Years:	# of adults age 65 years and over	<b>2152</b>	6,820	516,403

# Population Assessment



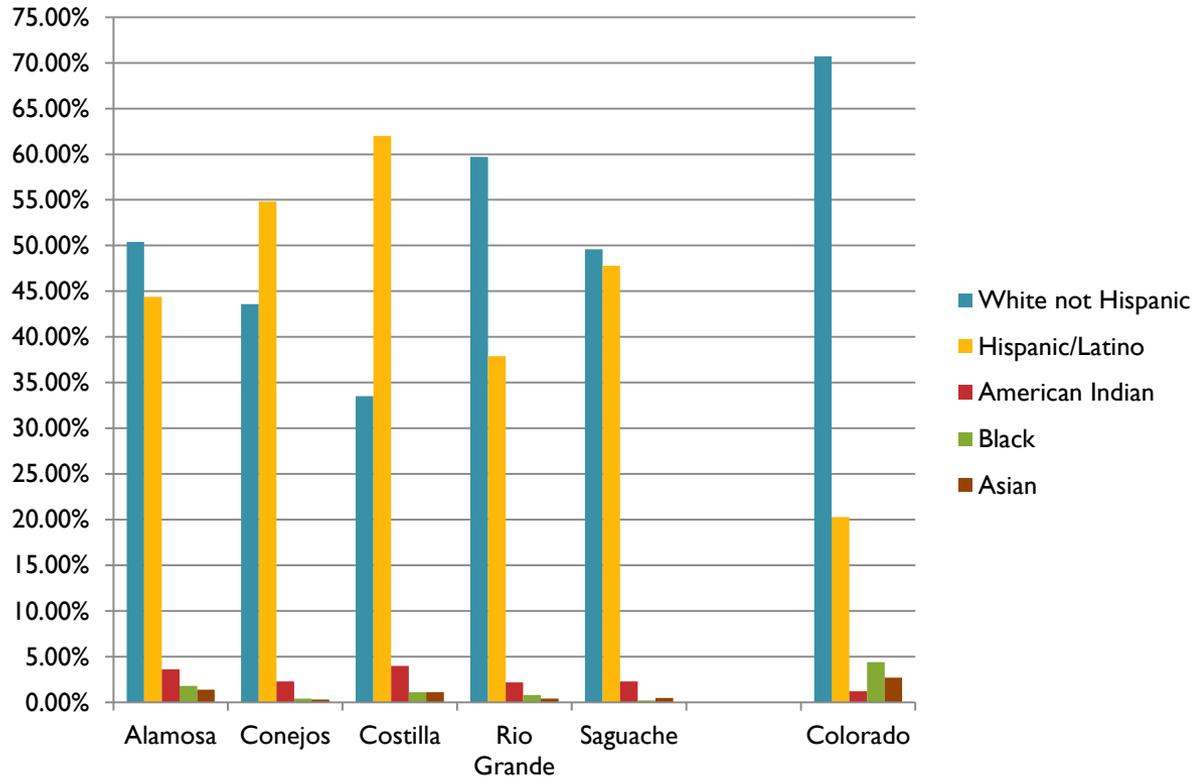
	Rio Grande	Region 8	Colorado
White/non-Hispanic: % of total population that is White/non-Hispanic	60.5	52.1	71.6
White/Hispanic: % of total population that is White/Hispanic	35.7	42.6	18.9
Black: % of total population that is Black	0.9	1.2	4.9
Asian American/Pacific Islander: % of total population that is Asian American/Pacific Islander	0.4	0.9	3.2
American Indian/Native Alaskan: % of total population that is American Indian/Native Alaskan	2.5	3.2	1.4

# Population Assessment

## Colorado Regional Health Profiles

Source: CDC/NCHS

2009-based, bridged-race population estimates, 2009.



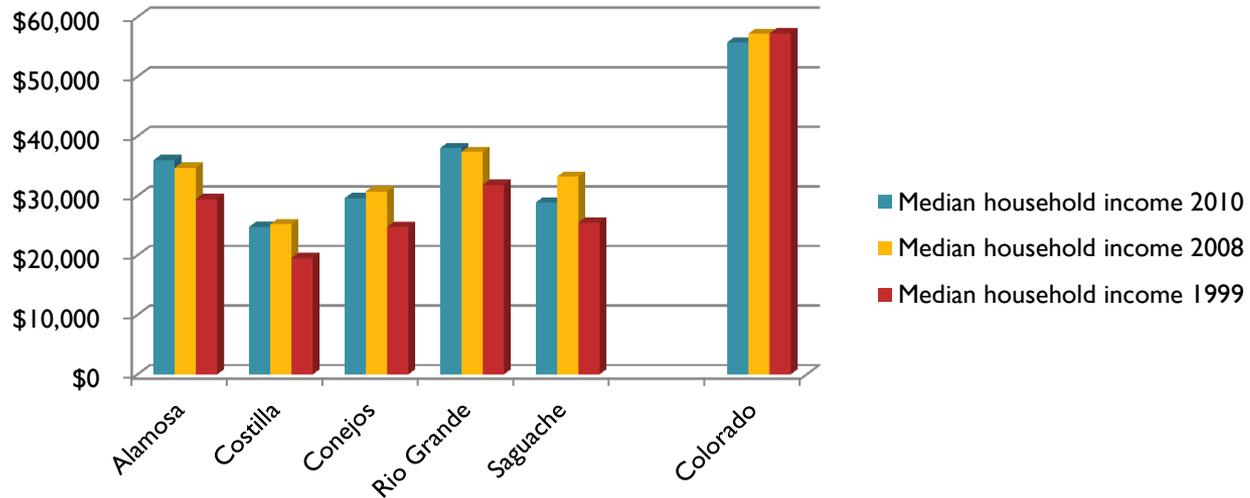
# Population Assessment

Jan. 2011 cost of living index in Rio Grande County: 81.8 (low, U.S. average is 100)

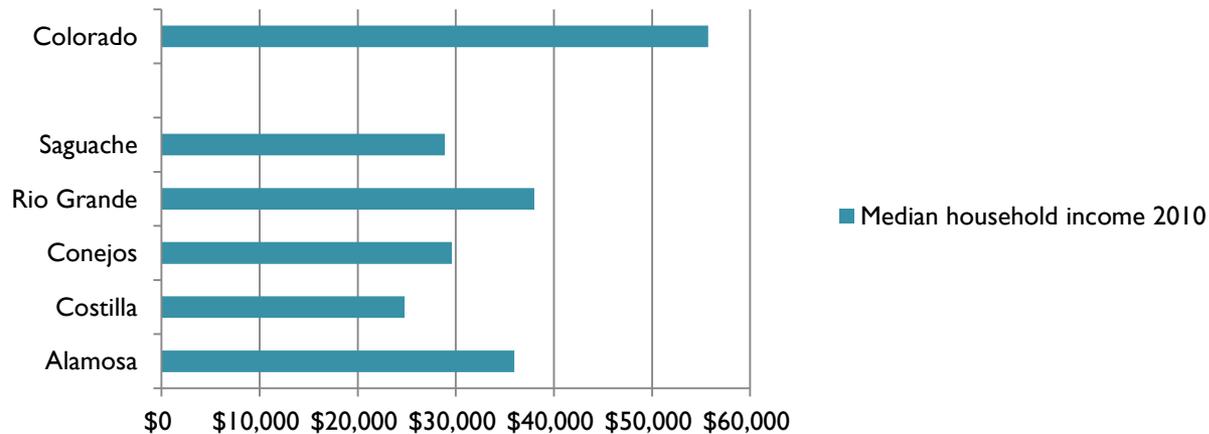
Residents living in poverty 2009: (9.2% for White Non-Hispanic residents, 0.0% for Black residents, 31.2% for Hispanic or Latino residents, 6.8% for American Indian residents, 30.3% for other race residents, 7.7% for two or more races residents) *Source: Citydata.com*

		Rio Grande	Region 8	Colorado
Poverty - Total Population:	% of total population (all ages) living in poverty	17.0	N/A	12.6
Poverty - Children:	% of children under age 18 years living in poverty	29.2	N/A	16.6
Median Household Income:	Median household income in dollars	\$37,993	N/A	\$55,735

# Population Assessment

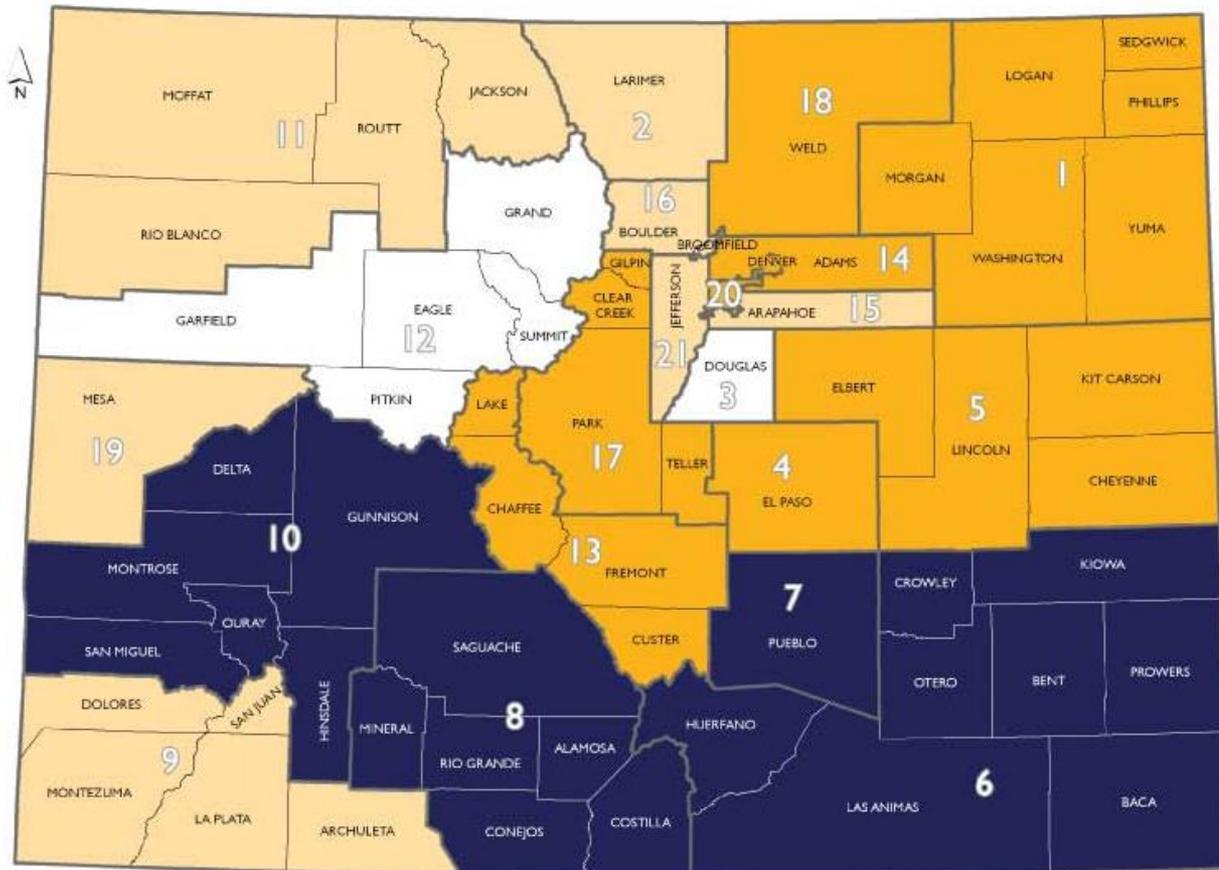


## Median household income 2010



# Population Assessment

Percent of Coloradans at or below 200% Federal poverty level by region, 2008–09



Percent with incomes  $\leq$  200% of the Federal Poverty Level, 2008

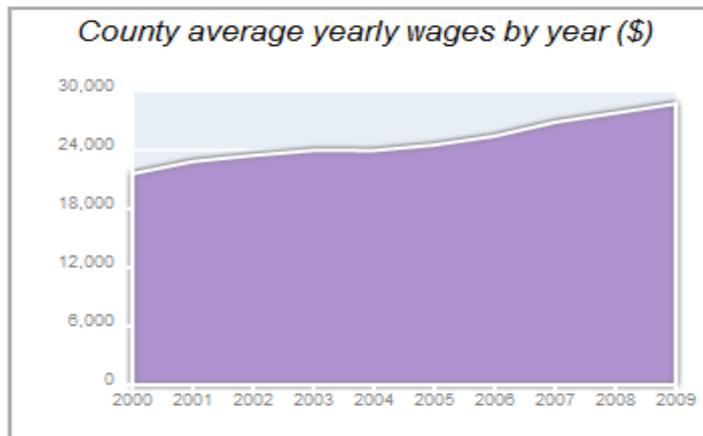
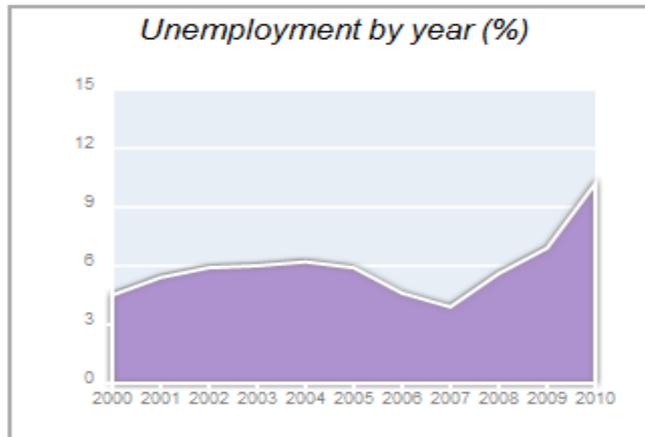


# Population Assessment

Unemployment in Apr. 2010:



*Unemployment as of April 2011 for Rio Grande County 8.8% (this was = to state)*



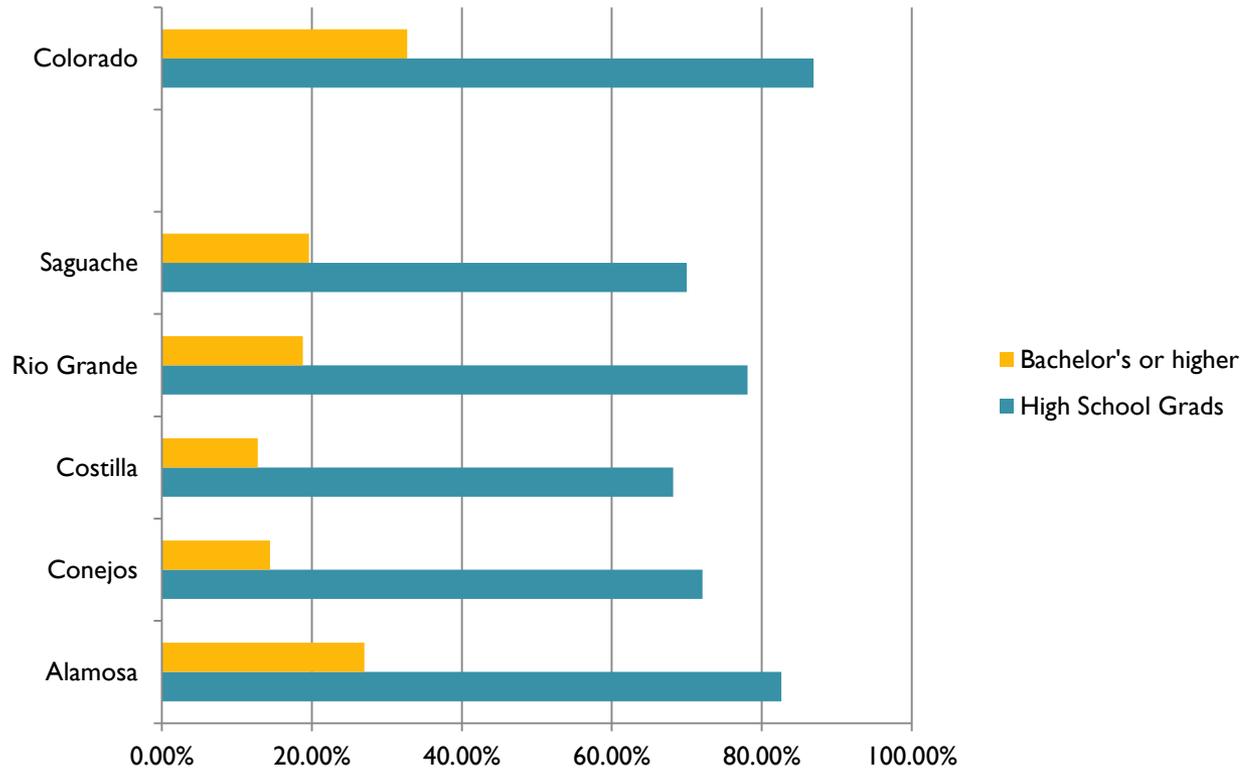
Language Other Than English Spoken at Home, 2005-2009 Percentage of children age 5+	
<b>ALAMOSA</b>	27.4%
<b>CONEJOS</b>	36.6%
<b>COSTILLA</b>	53.5%
<b>RIO GRANDE</b>	21.8%
<b>SAGUACHE</b>	38.2%
<b>COLORADO</b>	16.6%

## Colorado Regional Health Profiles

Source: United States Census Bureau, Small Area Income and Poverty Estimates

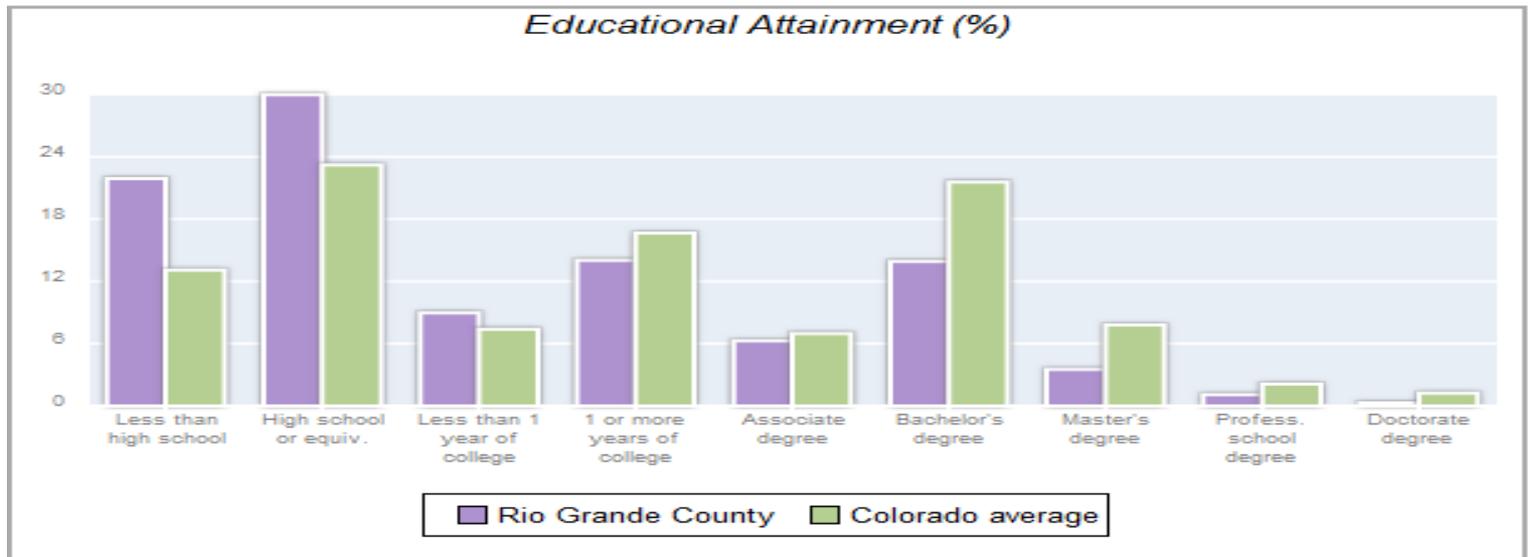
Source: Colorado Department of Education, Class of 2009

# Population Assessment



# Educational

	Rio Grande	Region 8	Colorado
<b>High School Graduation</b> % of students in designated class who graduated high school	62.6	74.3	74.6
<b>College Degree</b> % of population age 25 and older with an Associates degree or higher	25.1	25.1	39.7



# Health Services

## **Primary Care Services**

Rio Grande Hospital Clinics

South Fork, Del Norte and Monte Vista

Valley Wide Health Services

Monte Vista

Monte Vista Physicians Services

Monte Vista

## **Dental Services**

Dr. Brian Roberts – Monte Vista

Center Dental Clinic - Center

Dr. James Harding – South Fork

Dr Craig Coombs & Dr Richard Santi – Monte Vista

## **Mental Health Services**

San Luis Valley Comprehensive Community Health Center

Center and Monte Vista

# Health Services (continued)

## **EMS**

South Fork EMS

Del Norte EMS

Monte Vista EMS

Center EMS

## **Pharmacy**

Rio Grande Pharmacy- Del Norte

Jack's Pharmacy – Monte Vista

## **Public Transportation**

Fixed schedule for parts of Rio Grande County available through Tri-County Senior Citizens and Housing (TCSC), Monte Vista, CO for senior citizens only.

Transportation is available for children and adults on Medicaid for medical appointments.

# Health Services (continued)

<b>Hospital</b>	<b># of Beds</b>	<b>Distance to Del Norte</b>
<b>Rio Grande Hospital</b> 310 County Road 14 Del Norte, CO. 81132	14	0 mi
<b>San Luis Valley Regional Medical Center</b> 106 Blanca Ave. Alamosa, CO. 81101	80	35 mi.
<b>Conejos County Hospital</b> 19021 U.S. Highway 285 La Jara, CO. 81140	17	45 mi.
<b>Heart of the Rockies Regional Medical Center</b> 448 East First St. Salida, CO. 81201	25	81 mi

# Health Services (continued)

## **Long Term Care, Assisted Living and Nursing Homes**

Casa Illuminaria Care Center – Del Norte

Juniper Village - Monte Vista

Veteran's Center at Homelake- Monte Vista

The Legacy Assisted Living- Monte Vista

## **Hospice and Home Health**

Hospice del Valle- provides care by local nurses and is based out of Alamosa

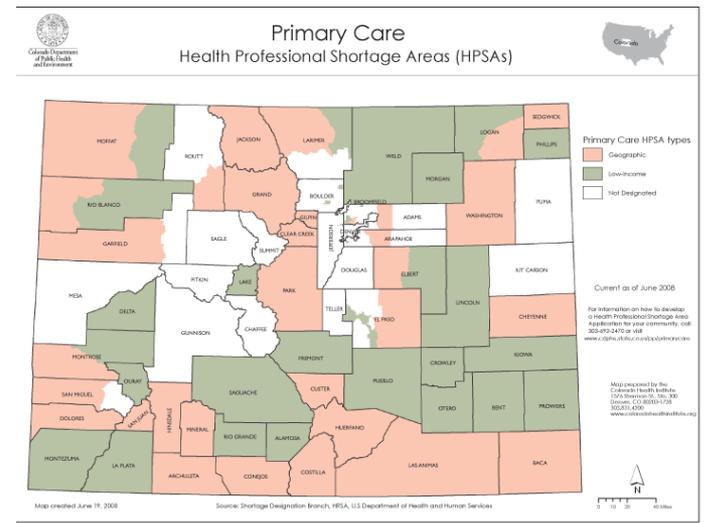
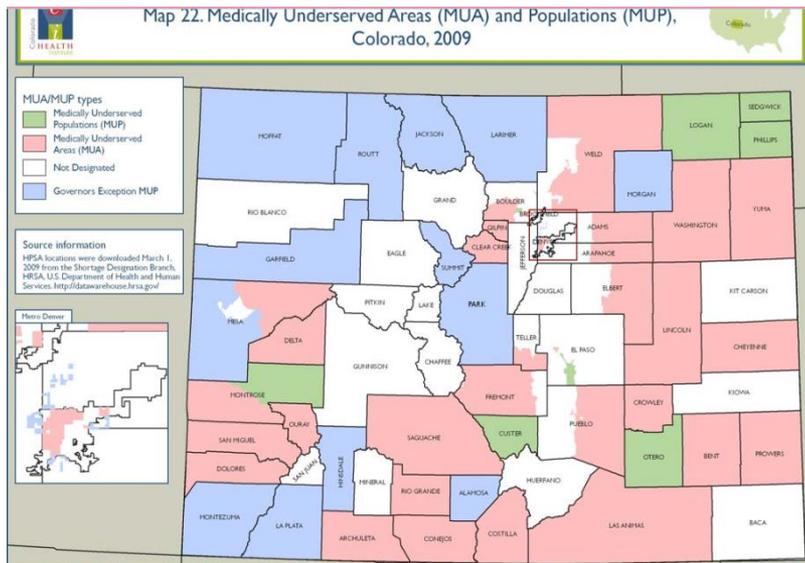
At Home Healthcare- Located in Alamosa, serves RGC

Alamosa County Public Health Home Health Agency-  
Located in Alamosa, serves RGC

# Health Services (continued)

Designation	Area	Type	Date
Primary Care Health Professional Shortage Area (HPSA)	County-wide	Low Income	09/11
Dental Health Professional Shortage Area	County -wide	Low Income	09/11
Mental Health Professional Shortage Area	San Luis Valley	Geographic	09/11
Medically Underserved Area/Population	County Wide	MUA	1978

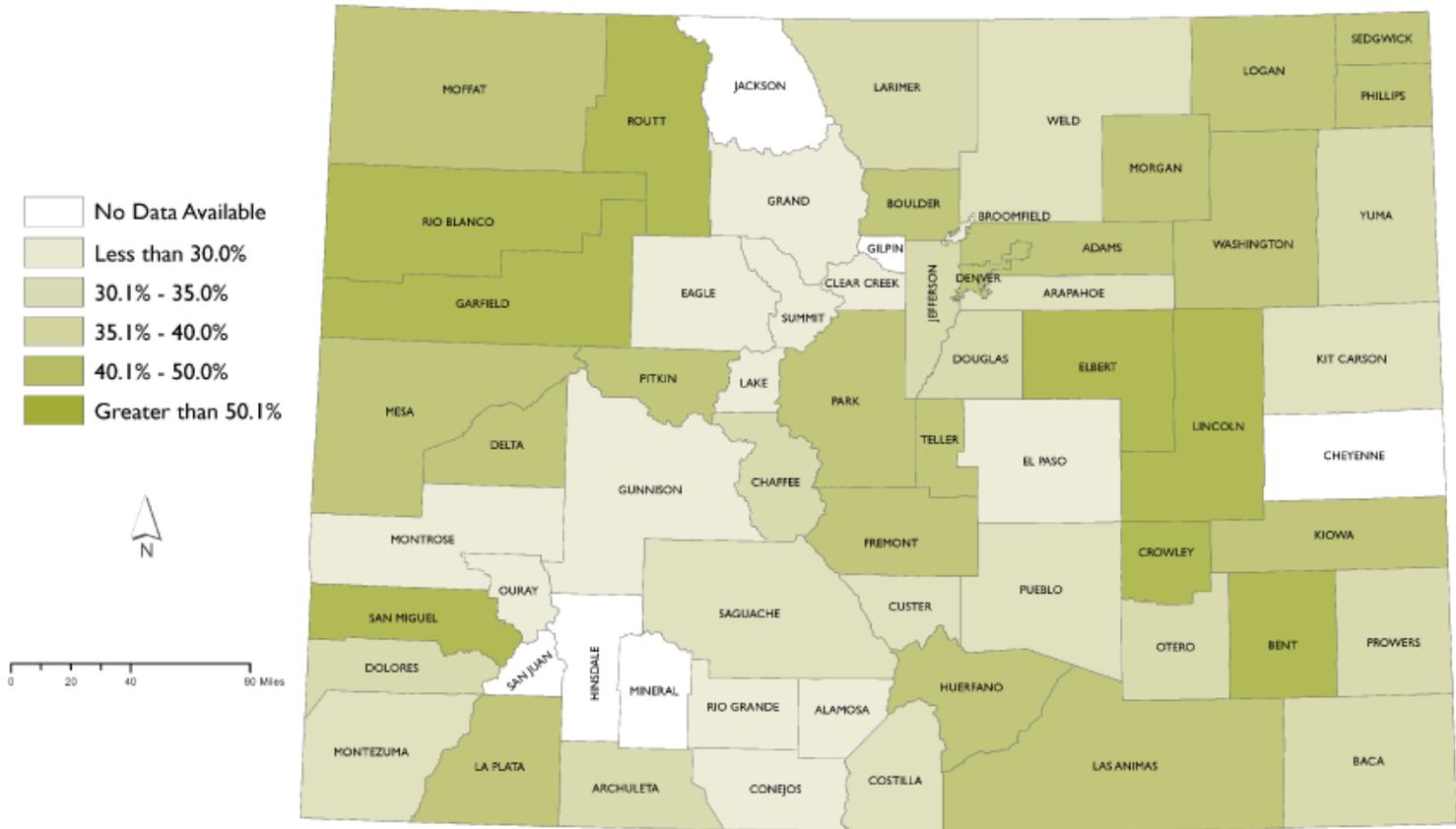
<http://bhpr.hrsa.gov/shortage/>



Many Colorado counties face challenges in having an adequate number of health care providers. Take a closer look at which areas of the state have Health Professional Shortage Area designations.

# Children's Health Care Coverage

Percent of children who are eligible but not enrolled in CHP+ by county, Colorado, 2009



SOURCE: Fact Sheet: *Colorado Children's Health Insurance Status: 2011 update*. Colorado Health Institute, March 2011.

# Children's Health Care Coverage

<b>% age 1-14 2007-2009</b>	<b>SLV</b>	<b>Colorado</b>	<b>HP 2010</b>
Had any type of health insurance coverage	88.1	91.0	100.0
Currently insured who had gaps in insurance in past 12 mos	15.4	7.8	N/A

# Reproductive Health

## Unintended Pregnancy/Teen Births

Characteristic (2010)	Rio Grande County Number	% Rio Grande County	Colorado %
Total Live Births	170	100.0	100
10-17 yrs	9	5.3	3.0
18-19 yrs	21	12.4	6.2
20-29 yrs	107	62.9	50.1
30+ yrs	33	19.4	40.8

# Reproductive Health

## Unintended Pregnancy/Teen Births

Source: Vital Statistics Unit, Health Statistics Section, CDPHE, 2007-2009 \* Source: Pregnancy Risk Assessment Monitoring System (PRAMS) Survey, Saguache County Health Statistics Section, CDPHE, 2007-2009.

2007-2009	Rio Grande County%	SLV %	Colorado %	HP2010 objective
Teen Births – Age 15-17 yrs	9.5	6.5	3.0	N/A
Teen Fertility Rate-Age 15-17 yrs	53.5	39.4	21.2	N/A
Teen Births Age 18-19 yrs	13.6	11.2	6.3	N/A
Teen Fertility Rate – Age 18-19 yrs	135.5	82.4	57.4	N/A
Unintended Pregnancy	*	40.6	37.7	30.0

**Fertility Rate (age-specific):** The number of births for a specified age group of females within a certain population or area per 1,000 total females in the age group.

2006-2008	Rio Grande	Colorado	HP2010
Teen fertility 15-17	51.7	22.3	43.0

# Reproductive Health

## Unintended Pregnancy/Teen Births

Live Births by Age of Mother %

Births Rio Grande	1999	2000	2008	2009	2010
Age 10-17	9.7%	4.7%	9.7%	8.4%	5.3%
Age 18-19	16.1%	14.2%	16.1%	12.3%	12.4%
Age 20-29	51.0%	60.4%	51.0%	56.8%	62.9%
Age 30+	23.2%	20.7%	23.2%	22.6%	19.4%

# Reproductive Health Adequate Prenatal Care, Infant Mortality, Low Birth Weight

2010	Rio Grande County	% Rio Grande County	Colorado
Low Weight Births (<2,500 Grams)	16	9.4	8.8
Very Low Weight Births (<1,500 grams)	4	2.1	1.2
Prenatal Care Later than 1 <sup>st</sup> Trimester/No Care	32	19.0	22.3
No Prenatal Care	0	0.0	1.4
Preterm Births (<37 weeks)	15	8.8	9.3
Education of Mother < H>S> Diploma/GED	28	17.1	19.8
Live Births to Unmarried Women	53	31.2	25.1
Smoking During Pregnancy	16	9.5	8.4

# Reproductive Health Adequate Prenatal Care, Infant Mortality, Low Birth Weight

2007-2009		Rio Grande County	SLV	Colorado	HP2010 objective
Adequate Prenatal Care	% of live births to mothers who received adequate prenatal care	50.7	49.8	59.5	90.0
Low Birth weight	% of live births under 2,500 grams	12.5	11.9	8.9	5.0
Infant Mortality Rate	Rate of infant deaths (under 1 year of age) per 1000 live births	12.9	9.8	6.2	4.5

# Reproductive Health Adequate Prenatal Care, Infant Mortality, Low Birth Weight

Rio Grande	2006	2007	2008	2009	2010
Births to women receiving early prenatal care %	68.1	63.1	77.9	83.2	81.0
Low Weight Births %	9.1	13.6	12.3	11.6	9.4
Births to women who smoked during pregnancy%	4.8	10.5	9.7	16.1	9.5

# Reproductive Health Adequate Prenatal Care, Infant Mortality, Low Birth Weight

## Colorado PRAMS

Rio Grande Data 2004 - 2009 n= 80

Colorado Data 2004 - 2009 n= 11808

PRAMS Topics	County or HSR %	95% CI*	State %	95% CI*
Gained an inadequate amount of weight during pregnancy	41.9	( 22.4- 61.4)	24.5	( 23.3- 25.8)
Husband or partner did not want pregnancy	1.4	( 0.0- 3.0)	7.8	( 7.1- 8.6)
Unintended Pregnancy	57.0	( 42.0- 72.0)	38.7	( 37.4- 40.0)
Did not enter prenatal care as soon as desired	19.6	( 6.8- 32.4)	17.6	( 16.5- 18.6)
Was covered by Medicaid for prenatal care	58.8	( 42.7- 75.0)	32.9	( 31.6- 34.1)
Participated in WIC during pregnancy	57.1	( 41.2- 73.0)	34.9	( 33.7- 36.2)
Drank alcohol during pregnancy	9.5	( 2.3- 16.8)	10.8	( 10.0- 11.6)
Smoked before pregnancy	27.0	( 14.9- 39.0)	20.4	( 19.4- 21.4)
Smoked during pregnancy	13.9	( 8.0- 19.8)	9.8	( 9.0- 10.5)
Smoked after pregnancy	20.5	( 11.1- 29.9)	14.0	( 13.1- 14.9)
Breastfeeding Initiation	85.9	( 74.7- 97.0)	89.9	( 89.1- 90.7)
Infant slept on back	75.9	( 61.1- 90.7)	79.8	( 78.8- 80.9)

# WB Reproductive Health STI



2007-2009 Rate of New cases	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
AIDS / HIV	*/*	0/0	0/0	0/0	0/0	*/*	6.0/5.6
Chlamydia (15- 19 y/o)	1283.3	736.3	656.7	1304.2	295.6	1015.2	1514.7
Gonorrhea (15-19 y/o)	169.1	*	*	329.8	*	154.7	234.4

*This data is the rate per 100,000 population*

# WB Reproductive Health STI



2006-2008 Rate of New cases	Rio Grande	SLV	Colorado	HP 2010
AIDS 13+	0.0	1.7	7.7	1.0
HIV 13+	0.0	0.0	7.3	N/A
Chlamydia (15-24 y/o Female)	2666.1	1922.6	2597.1	N/A
Chlamydia (15-24 y/o Male)	232.8	292.9	691.6	N/A
Gonorrhea	55.2	39.9	73.1	19.0

# School Age Oral Health

Oral Health	Alamosa	Conejos	Costilla	Rio Grande	Saguache	Colorado	Rate Measurement
% with caries experience	71.7	72.3	71.1	49.3	71.1	57.2	Estimated % of grade 3 children 2006-07
% with dental sealants	35.9	32.0	35.9	38.6	35.9	35.0	Estimated % of grade 3 children, 2006-2007
% with untreated decay	33.9	35.5	33.9	18.9	33.9	24.5	Estimated % of grade 3 children, 2006-2007
Medicaid dental services rate	46.7	49.0	10	47.9	27.3	43.7	% on Medicaid who received dental services 2007-2008

# Chronic Disease Prevention Overweight and Obesity (Children

2007-2009		SLV	Colorado
Physical Activity 7+ hours/week	% age 5-14 who engaged in P.A. 7+hrs/week	61.5	55.5
Television Viewing < 2 hrs per day	% age 5-14 who viewed TV <2hrs /day	79.9	82.1
Nutrition 5 a day	% age 1-14 who ate 5+servings of fruits and vegetables per day	37.6	27.9
Food Insecurity	% of households w/age 1-14 that often/sometimes relied on low cost foods in past yr	36.5	27.1
Overweight	% age 2-14	7.3	13.0
Obese	% age 2-14	24.4	14.0

# Chronic Disease Prevention Overweight/Obesity Adults

Colorado BRFSS

RIO GRANDE Data, 2009 - 2010, n= 213

Colorado Data, 2009 - 2010, n= 23367

BRFSS 2009-2010	Rio Grande%	Colorado %
Any leisure time P.A.	71.4	82.9
5+ servings of fruits and vegetables per day	18.9	25.0
Overweight (BMI 25.0-29.9)	38.3	36.4
Obese, BMI >30	29.8	20.1
Diagnosed w/diabetes	10.7	5.6

# Chronic Disease Prevention Overweight/Obesity Adults

BRFSS 2007-2009	Rio Grande %	SLV %	Colorado %	HP 2010 objective
No leisure time P.A. in last 30 days	29.7	22.3	17.1	20.0
5+ servings of fruits and vegetables per day	19.5	24.3	25.3	N/A
Overweight (BMI 25.0-29.9)	40.8	34.8	36.2	N/A
Obese, BMI >30	21.8	23.8	18.7	N/A
Diagnosed w/ diabetes	8.3	7.9	5.4	N/A

Source: Behavioral Risk Factor Surveillance System (BRFSS) Survey,  
Health Statistics Section, CDPHE, 2007-2009.

# Chronic Disease Prevention CVD/ Environmental Health

Heart attack hospitalizations and age-adjusted hospitalization rates by county:  
Colorado residents, both sexes, all ages.

	2009 Rate per 10,000	2009 Hospitaliz ations	2008 Rate per 10,000	2008 Hospitaliz ations	2007 Rate per 10,000	2007 Hospitaliz ations
Colorado	12.1	5816	12.9	5925	13.4	5903
Alamosa	12.4	17	15.8	23	12.9	18
Conejos	21.7	20	18.8	19	11.2	11
Costilla	10.1	5	10.3	4	9.2	4
Rio Grande	14.5	22	17.9	29	15.1	24
Saguache	11.3	9	9.3	6	8.8	6

*All of these counties were represented as "No Statistical Difference" and contain a 95% Confidence Interval for their age-adjusted rate that is within the 95% Confidence Interval for the Colorado age-adjusted rate for each year. shown.*

**The primary risk factors for heart attack are due to lifestyle and genetics, but many studies have found that environmental air pollution also increases risk of heart attack.** Even though air pollution is not one of the primary risk factors for heart attack it is still a concern because so many people are exposed to air pollution throughout their lives.

# Chronic Disease Prevention CVD/ Environmental Health

2007-2009	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
AAR-Stoke hospitalization	313.8	252.5	223.5	297.5	184.2	263.1	272.1
AAR-heart disease hosp.	2853.6	2204.6	1920.5	2891.6	1421.6	2438.5	2670.6
AAR Acute MI hosp	185.8	245.2	106.2	221.8	183.7	199.7	196.4
AAR Heart failure hosp.	1007.2	760.2	591.0	957.7	353.9	819.9	815.7
% of adults who ever had a heart attack	3.8%	4.2%	*	2.5	1.7	3.5	3.0
% of adults who ever had angina or CHD	2.9%	3.6%	*	3.5	2.5	3.6	2.8

Source: CoHID  
Per 100,000 population  
\* Indicates no data collected

# Chronic Disease: Tobacco Use

Adult current smoker %	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
2007-2009	16.8	20.0	*	26.2	19.7	19.4	17.8

Adult Current Smoker	Rio Grande %	SLV %	Colorado %	HP 2010 objective
BRFSS 2007-2009	21.6	17.2	17.4	12.0
BRFSS 2009-2010	20.6		16.5	12.0

# Chronic Disease: Asthma

Ever had asthma BRFSS	Rio Grande %	SLV	Colorado %
2009-2010	10.5		14.1
2007-2009	9.9	9.4	8.2

# Chronic Disease: Asthma (Environmental)

Asthma hospitalizations and age-adjusted hospitalization rates by county:  
Colorado residents, both sexes, all ages.

	2009 Rate per 10,000	2009 Hospitaliz ations	2008 Rate per 10,000	2008 Hospitaliz ations	2007 Rate per 10,000	2007 Hospitaliz ations
Colorado	9.2	4764	9.0	4512	8.2	4083
Alamosa	4.3*	6	6.6	10	8.6	13
Conejos	5.0	3	9.1	7	1.1*	1
Costilla	8.3	3	9.9	3	3.4	2
Rio Grande	6.1	8	8.5	10	8.4	11
Saguache	1.3*	1	0	0	0.9*	1

**\*Statistically lower**

**If a person has asthma, the airways in the lungs are irritated and swollen so they are more likely to react strongly to:**

Irritants, such as tobacco smoke and air pollution. Allergens, such as pollen, mold or mildew, Infections, such as a cold or the flu

A number of studies have reported associations between air pollution exposures and asthma. Specifically, researchers have found an association between increased hospital admissions for asthma and particulate matter, an outdoor air pollutant. Scientific studies have also linked ground-level ozone with increased asthma attacks and hospitalizations due to asthma.

# Chronic Disease: Arthritis

<b>BRFSS 2007-2009</b>	<b>Rio Grande%</b>	<b>SLV %</b>	<b>Colorado %</b>
Told by doctor they have arthritis	31.5	30.1	23.7

# Chronic Disease Prevention

2007, & 2009	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
% of adults 18+ with arthritis	24.4	20.0	*	27.0	43.7	27.7	23.9
% of adults 18+ with asthma	5.9	16.5	*	10.1	12.6	9.9	8.0
% of adults 18+ with diabetes	5.8	11.0	*	8.9	5.7	8.9	5.7

Source: CoHID

# Chronic Disease Prevention Cancer Screenings

**Colorado BRFSS**

RIO GRANDE Data, 2009 - 2010, n= 213

Colorado Data, 2009 - 2010, n= 23367

2009-2010	Rio Grande%	Colorado %
Fecal occult blood test in past 2 yrs (50+)	20.0	19.0
Ever had colonoscopy (50+)	48.9	65.2
Clinical breast exam & mammogram in past 2 yrs (50+)	45.7	66.5
Pap Smear (18+)	89.6	94.6

# Chronic Disease Prevention Cancer Screenings

2007-2009	Rio Grande %	SLV %	Colorado %	HP 2010 objective
Fecal occult blood test in past 2 yrs (50+)	21.5	21.6	23.2	50
Ever had colonoscopy (50+)	76.2	58.2	62.7	N/A
Clinical breast exam & mammogram in past 2 yrs (50+)	67.1	59.8	70.0	N/A
Mammogram in past 2 yrs (40+)	71.4	56.7	72.7	70.0
Adults women ever had a pap smear	95.6	84.3	93.6	97.0
Pap smear in past 3 yrs	69.9	68.8	84.4	90.0

# Chronic Disease Prevention Cancer

<b>Cancer Incidence</b>		<i>Rio Grande County</i>	<i>Region 8</i>	<i>Colorado</i>	<i>HP2010 Objective</i>
<b>All Cancers Combined:</b>	Age-adjusted incidence rate of all cancers	409.4	375.4	437.9	N/A
<b>Female Breast Cancer:</b>	Age-adjusted incidence rate of female breast cancer	99.6	80.5	122.0	N/A
<b>Cervix Uteri Cancer:</b>	Age-adjusted incidence rate of cervical cancer	*	*	6.9	N/A
<b>Colon and Rectum Cancer:</b>	Age-adjusted incidence rate of colorectal cancer	50.6	50.6	42.5	N/A
<b>Lung and Bronchus Cancer:</b>	Age-adjusted incidence rate of lung and bronchus cancer	48.9	27.4	50.1	N/A
<b>Melanomas of the Skin:</b>	Age-adjusted incidence rate of melanomas of the skin (skin cancer)	*	17.6	21.9	N/A
<b>Oral Cavity and Pharynx:</b>	Age-adjusted incidence rate of oral cavity and pharynx cancer	*	*	9.4	N/A
<b>Prostate Cancer:</b>	Age-adjusted incidence rate of prostate cancer	119.3	121.8	162.2	N/A

*Age-adjusted cancer incidence rates are per 100,000 population. \* Indicates fewer than 20 events in category. For questions or assistance in interpreting these rates, please contact the Colorado Central Cancer Registry at (303) 692-2540 or by email at [cdphe.pscaregistry@state.co.us](mailto:cdphe.pscaregistry@state.co.us).*

*Source: Colorado Central Cancer Registry, CDPHE, 2005-2007.*

# Flu/Pneumonia Vaccine

<b>2007-2009</b>	<b>Rio Grande %</b>	<b>SLV %</b>	<b>Colorado %</b>	<b>HP 2010 objective</b>
65+ who received Flu Vaccine in past 12 months (BRFSS)	68.8	64.6	77.0	90.0
Influenza hospitalizations for 65+	109.6	123.5	73.6	N/A
65+ who ever received pneumonia vaccine (BRFSS)	48.8	59.1	72.9	90.0
<b>Disease Control &amp; Environmental Epi Div CDPHE 2006-2008</b>	<b>Rio Grande %</b>	<b>SLV %</b>	<b>Colorado %</b>	<b>HP 2010 objective</b>
Pneumococcal infections < 5rs	0.0	10.1	15.7	46.0
Pneumococcal infections 65+	0.0	0	29.5	42.0

# Communicable Diseases



2007-2009 Rate of New cases	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
TB	0.0	8.1	0.0	2.6	4.8	2.8	2.0
Pertussis	0.0	56.4	0.0	5.3	4.8	11.8	4.5
Hep A	2.1	0.0	0.0	0.0	4.8	1.4	0.8
Hep B new/acute	0.0/2.1	0.0/0.0	0.0/0.0	0.0/2.6	0.0/0.0	0.0/1.4	0.8/11.4

*This data is the rate per 100,000 population*

# WB Communicable Disease (continued)

2007-2009 Rate of New cases	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
Campylobacter	8.4	28.2	19.2	31.7	19.1	20.1	15.6
STEC (E coli)	4.2	4.0	0.0	0.0	4.8	2.8	3.4
Salmonella	202.2	44.3	38.5	47.6	4.8	90.0	12.6
Shigella	19.0	0.0	19.2	0.0	4.8	8.3	2.5
West Nile	0.0	0.0	0.0	0.0	0.0	0.0	5.0

# Environmental Health

Carbon Monoxide poisoning related inpatient hospitalization stays (events and rates by age and county of residence.

	2009 Rate per 1 Million	2009 Hospitaliz ations	2008 Rate per 1 Million	2008 Hospitaliz ations	2007 per 1 Million	2007 Hospitaliz ations
Colorado	8.4	40	6.0	30	6.9	33
Alamosa	0	0	58.7	1	0	0
Conejos	0	0	0	0	0	0
Costilla	0	0	0	0	0	0
Rio Grande	0	0	53.4	1	0	0
Saguache	0	0	0	0	0	0

# Environmental Health

	Average Concentration Radon Values	% of radon tests above 4pCi/L	Number of Samples	
Alamosa	3.9	30.8%	13	
Conejos	2.7	0	2	
Costilla	4.4	10%	10	
Rio Grande	5.5	50%	12	
Rio Grande (2011)	6.7	51%	100	
Saguache	5.7	41.5%	82	

Added note: MV 5.5 (50 kits)  
 DN 5.9 (26 kits)  
 SF 11.0 (20 kits)  
 OTHER 5.2 (4 kits)

# Injury Prevention Teens

## Adolescent Health Profile

Teen injury	Rio Grande	SLV	Colorado
Hospitalizations Age 15-19 (2006-2008)	625.4		485.1
MVA Hospitalizations Age 15-19 (2007-2009)	237.6	160.1	124.5
MVA Deaths Age 15-19 (2007-2009)	*	33.7	14.6

*Teen hospitalization rates are per 100,000 teens age 15-19.*

*Source: Hospital Discharge Data, Colorado Hospital Association, 2007-2009.*

*Teen mortality rates are per 100,000 teens age 15-19.*

*Source: Vital Statistics Unit, Health Statistics Section, CDPHE, 2007-2009.*

# Injury Prevention : (Unintentional)

CoHID

2000-2010	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
#Total injury hospitalizations	1119	793	289	1061	259	3579	
Age adjusted rates (AAR)	717.9	845.3H	698.0	729.4	386.8L	693.1	714.5
Unintentional injury	509.5L	663.1	513.6L	532.9L	311.8L	511.0L	597.4
Transportation	116.7	193.9H	136.0	146.7H	99.7	138.1H	120.4
Poisoning	19.8L	9.8L	*	8.9L	*	10.9L	32.0
Fall	263.1L	306.6L	224.8L	266.6L	155.8L	250.1L	351.8
Fire/burn	12.9	14.1	19.6	8.0	14.1	11.9H	7.4
Natural/environmental	20.0	27.1H	26.6	13.2	16.3	19.3	16.0
Drowning	*	*	*	2.3	*	1.0	0.8
Other unintentional	80.9	120.3H	107.3	98.0H	32.1L	87.1	79.9

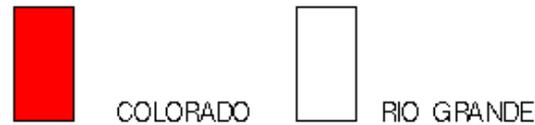
Rates are per 100,000 population. Age-adjusted rates are adjusted to 2000 US standard population.

# Injury Prevention: (Intentional)

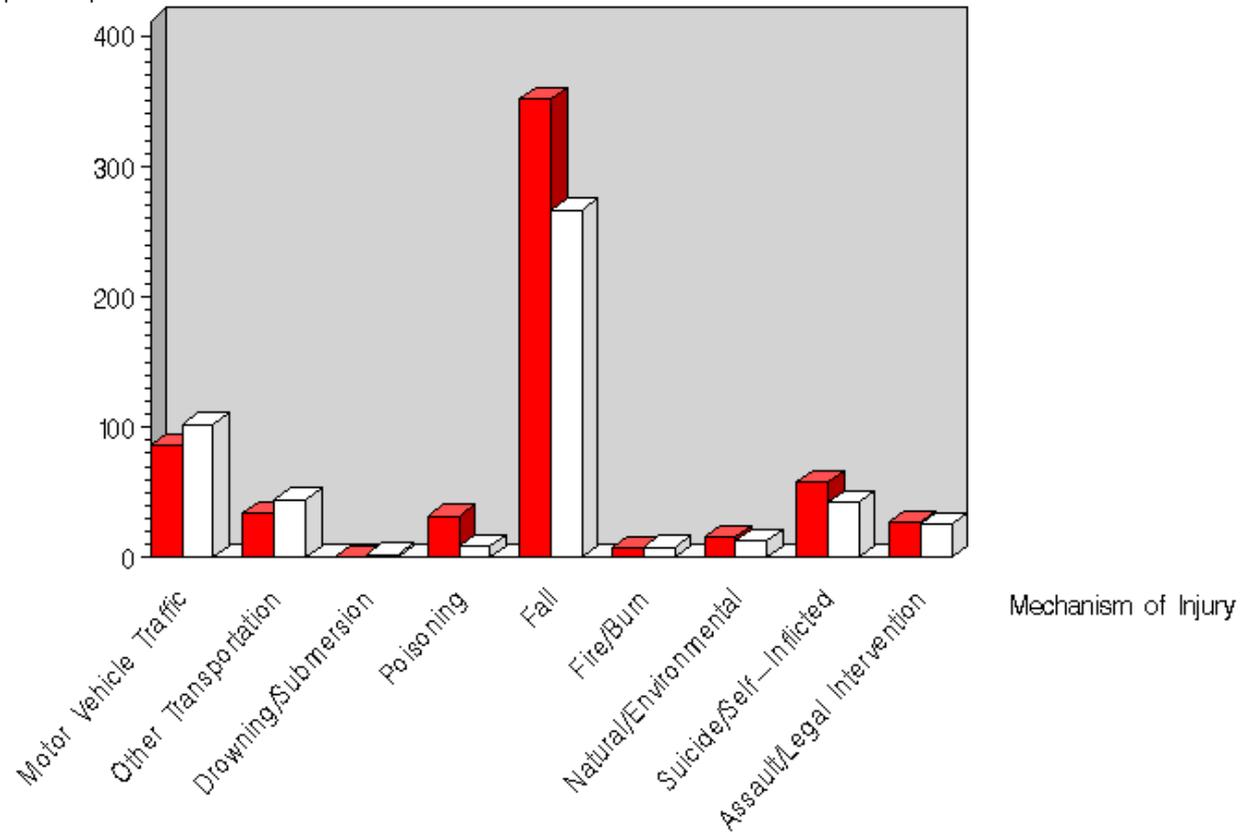
	Alamosa	Conejos	Costilla	Rio Grande	Saguache	SLV	Colorado
Total Intentional Injury	79.9	107.1	77.3	68.1	32.1L	72.9L	85.5
Suicide/self-inflicted	49.5	70.0	44.5	42.1	18.6L	46.4L	58.3
Assault/legal intervention	30.4	38.6	32.8	26.0	5.5L	26.8	27.4
Total undetermined intent	4.9L	7.2	9.4	2.6	*	4.4L	8.7
Total firearm-related	5.7	9.5	11.7	5.7	*	6.1	5.9

Rates are per 100,000 population. Age-adjusted rates are adjusted to 2000 US standard population.

# Injury (continued)



Age Adjusted Rate per 100,000





# Injury Prevention: Seatbelts

	Alamosa	Conejos	Costilla	Rio Grande	Saguache	Region 8	Colorado	Healthy People 2010
% of adults 18+ who reported having always used a seatbelt when driving or riding in a car	73.7	66.6	*	66.5	64.6	69.3	83.5	92.4

# Injury Prevention: High ratings for this county

<b>Rio Grande–detailed mechanism</b>	<b>High Ratings (Age Adjusted)</b>
Motor vehicle occupant	84.7
Animal being ridden	17.8
Caught in or between objects	6.9
Agricultural machines	11.8

# Traffic Accidents

Rio Grande County Fatal accident statistics for 1992 - 2009

Count

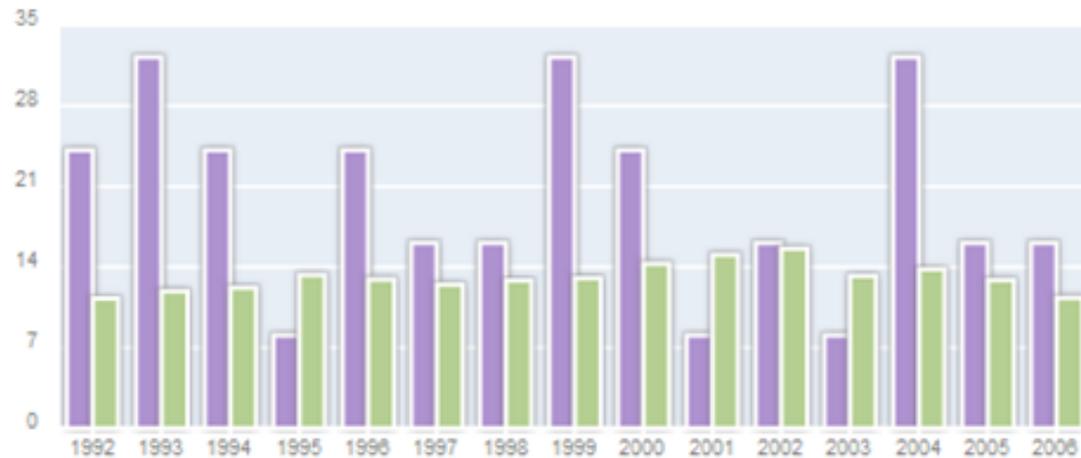
Vehicles

DUI

Fatalities

Persons

Fatal accident count (per 100,000 population)



Rio Grande County

Colorado average

# Traffic Accidents

## Rio Grande County Fatal accident statistics for 1992 - 2009

Count

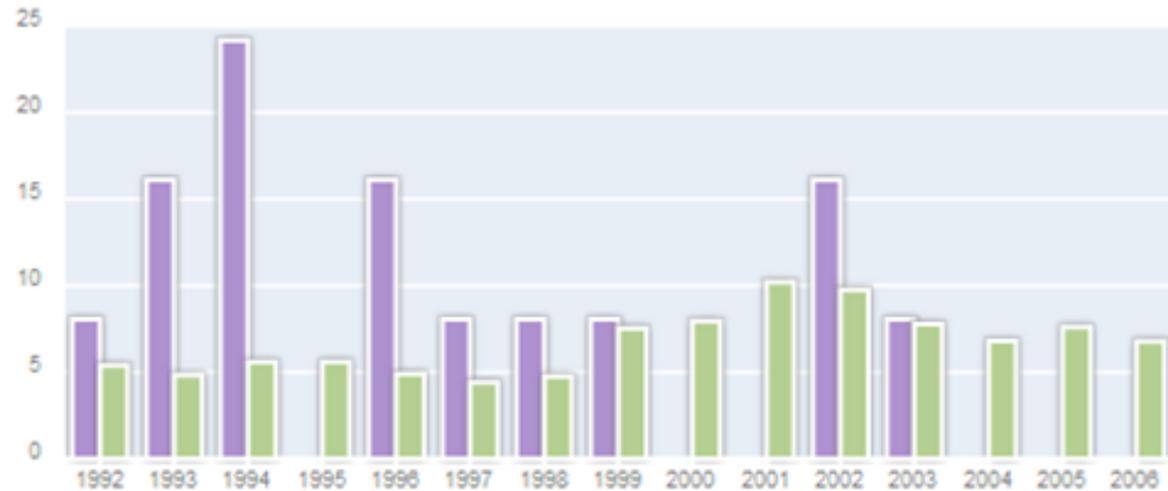
Vehicles

**DUI**

Fatalities

Persons

*Fatal accidents caused by drunken drivers (per 100,000 population)*



■ Rio Grande County ■ Colorado average

# Traffic Accidents

## Rio Grande County Fatal accident statistics for 1992 - 2009

Count

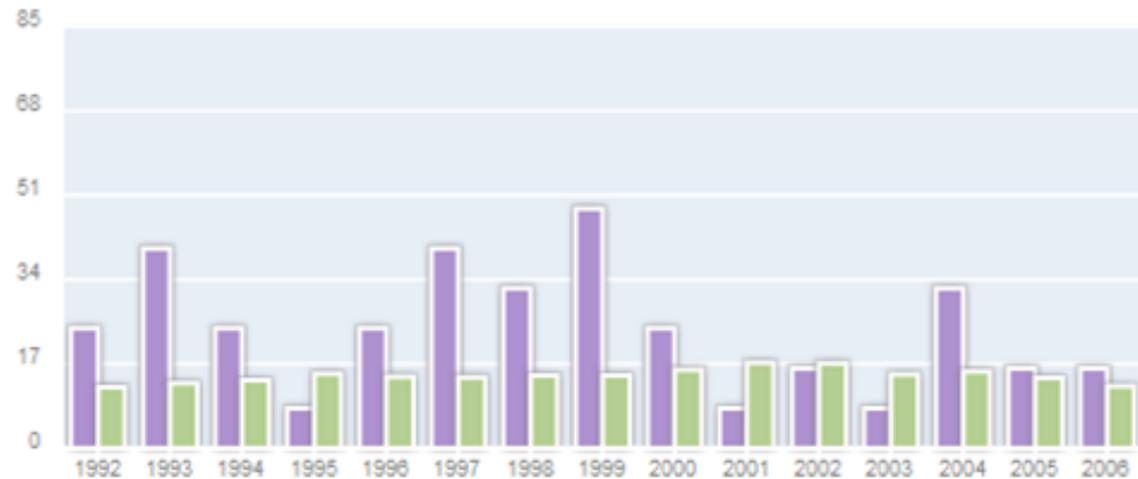
Vehicles

DUI

**Fatalities**

Persons

*Fatalities (per 100,000 population)*



■ Rio Grande County ■ Colorado average

# Mortality

Mortality		Rio Grande County	Region 8	Colorado	HP2010 Objective
<b>Malignant Neoplasms:</b>	Age-adjusted rate of mortality due to malignant neoplasms/cancer	116.8	130.3	154.9	159.9
<b>Heart Disease:</b>	Age-adjusted rate of mortality due to heart disease	201.9	165.0	148.5	166.0
<b>Chronic Lower Respiratory Disease:</b>	Age-adjusted rate of mortality due to chronic lower respiratory diseases	60.7	55.1	51.4	N/A
<b>Unintentional Injury:</b>	Age-adjusted rate of mortality due to unintentional injury	66.1	65.8	45.3	17.5
<b>Cerebrovascular Disease:</b>	Age-adjusted rate of mortality due to cerebrovascular disease/stroke	35.5	31.3	38.9	48.0
<b>Alzheimer's Disease:</b>	Age-adjusted rate of mortality due to Alzheimer's disease	36.3	29.5	33.5	N/A
<b>Diabetes Mellitus:</b>	Age-adjusted rate of mortality due to diabetes mellitus	30.8	25.1	17.6	45.0
<b>Suicide:</b>	Age-adjusted rate of mortality due to suicide	10.3	19.6	16.8	5.0
<b>Influenza or Pneumonia:</b>	Age-adjusted rate of mortality due to influenza or pneumonia	10.0	15.6	15.6	N/A
<b>Chronic Liver Disease:</b>	Age-adjusted rate of mortality due to chronic liver disease and cirrhosis	12.8	14.1	10.7	N/A

*Age-adjusted mortality rates are per 100,000 population.*

*Source: Vital Statistics Unit, Health Statistics Section, CDPHE, 2007-2009.*

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# Mortality

Deaths, crude death rates and age-adjusted death rates with 95% confidence limits from selected causes: Rio Grande County residents, 2010

Rio Grande County

Colorado

Cause of Death	N	Rate	Age-Adjusted Rate	Age-Adjusted Rate
All Causes	119	993.2	769.6	682.1
Cardiovascular Disease	40	333.8	246.3	183.2
Heart Disease	34	283.8	209.1	132.6
Cerebrovascular Disease	5	41.7	32.1	36.0
Atherosclerosis	0	0.0	0.0	2.7
Malignant Neoplasms	23	192.0	144.9	149.4
Lung Cancer	4	33.4	26.2	35.2
Breast Cancer	*	*	*	11.1
Chronic Lower Respiratory Diseases	11	91.8	70.8	49.7
Unintentional Injuries	9	75.1	61.9	43.4
Motor Vehicle	3	25.0	24.4	9.5
Other Unintentional Injuries	6	50.1	37.5	33.5
Pneumonia and Influenza	0	0.0	0.0	12.3
Suicide	*	*	*	16.8
Diabetes Mellitus	4	33.4	25.5	15.2
HIV Infection	0	0.0	0.0	1.2
Chronic Liver Disease and Cirrhosis	5	41.7	38.4	11.2
Alzheimer's Disease	*	*	*	31.1
Nephritis, Nephrosis, Nephrotic Syndrome	5	41.7	33.5	9.6
Homicide and Legal Intervention	0	0.0	0.0	3.8
Septicemia	*	*	*	7.5
Congenital Anomalies	0	0.0	0.0	3.3
Perinatal Period Conditions	0	0.0	0.0	4.3
All Other	18	150.2	115.6	140.0
Injury by Firearm	*	*	*	10.8
Drug-Induced Deaths	0	0.0	0.0	13.0
Alcohol-Induced Deaths	5	41.7	37.3	13.4
Work-Related Injury (Y/N Check Death Certificate)	*	*	*	1.4

# Cause of Death (ranking)

Deaths and Age Adjusted Rates for Leading Causes of Death, 2010

## RIO GRANDE

		N	Age-Adjusted Rate
Rank	Cause of Death		
	<b>All Causes</b>	119	769.6
<b>1</b>	<b>Heart disease</b>	34	209.1
<b>2</b>	<b>Malignant neoplasms</b>	23	144.9
<b>3</b>	<b>Chronic lower respiratory diseases</b>	11	70.8
<b>4</b>	<b>Unintentional injuries</b>	9	61.9
<b>5</b>	<b>Cerebrovascular diseases</b>	5	32.1
<b>6</b>	<b>Chronic liver disease and cirrhosis</b>	5	38.4
<b>7</b>	<b>Nephritis, nephrotic syndrome, nephrosis</b>	5	33.5
<b>8</b>	<b>Diabetes mellitus</b>	4	25.5

## COLORADO

Rank	Cause of Death
	All Causes
<b>1</b>	<b>Malignant neoplasms</b>
<b>2</b>	<b>Heart disease</b>
<b>3</b>	<b>Chronic lower respiratory diseases</b>
<b>4</b>	<b>Unintentional injuries</b>
<b>5</b>	<b>Cerebrovascular diseases</b>
<b>6</b>	<b>Alzheimer's disease</b>
<b>7</b>	<b>Suicide</b>
<b>8</b>	<b>Diabetes mellitus</b>
<b>9</b>	<b>Chronic liver disease and cirrhosis</b>
<b>10</b>	<b>Influenza and pneumonia</b>

# Rio Grande County Public Health Agency Strategic Planning

*Currently:* Collecting and Assessing Data:

- Quantitative Data: Numerical Measurements
- Qualitative Data: Key Informants and Public Opinion or perspectives

*Beginning to:* Prioritize Issues

Collaborate with partners regionally and locally to plan strategies on shared concerns