



CENTER FOR IMPROVING
VALUE IN HEALTH CARE

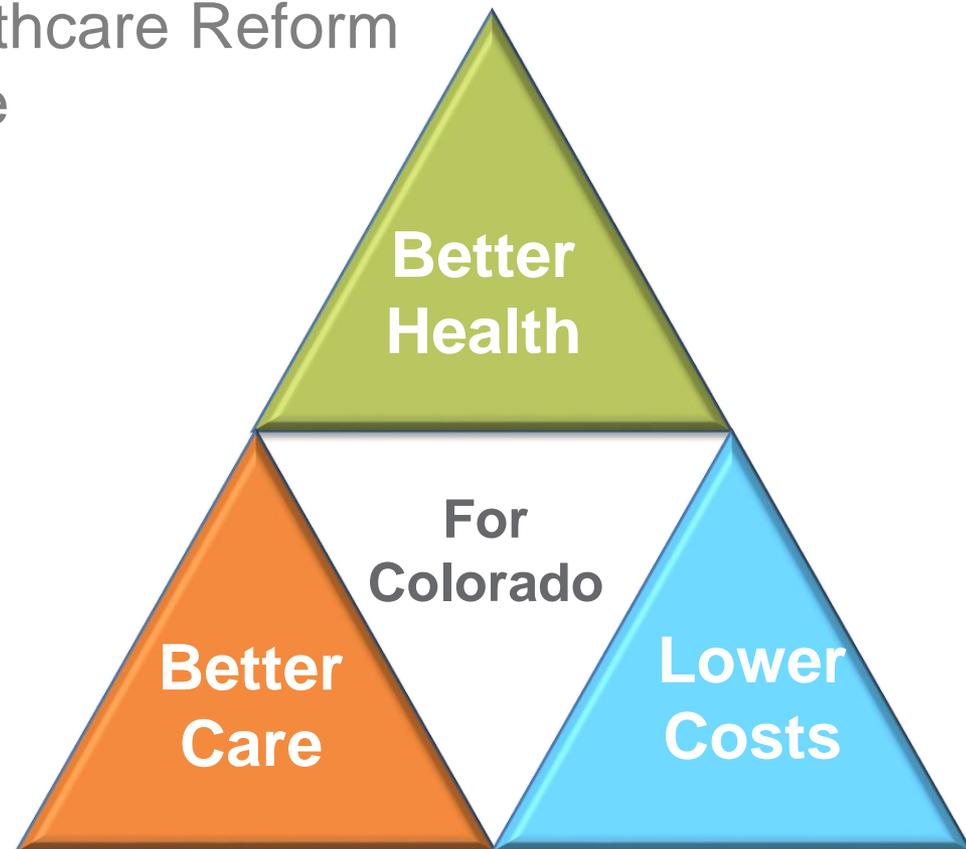
The Colorado All Payer Claims Database

Data to identify variation and
inform change

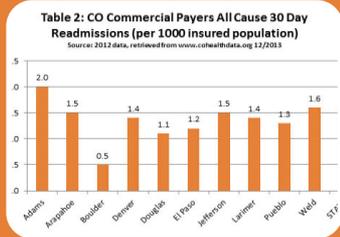
Higher Quality. Lower Cost. A Healthier Colorado.

Who We Are

- Non-profit, non-partisan organization
- Founded out of recommendation from Blue Ribbon Commission on Healthcare Reform and Governor's office
- Triple Aim Mission:



How We Do It



DATA

- We administer the Colorado All Payer Claims Database, the state's most **comprehensive source** of health care cost, quality and utilization claims data.



IDENTIFY OPPORTUNITIES

- We **unlock information and insights** that guide how health care is delivered, used and paid for.



CONNECTING

- We **bring together** organizations and individuals who share our cause, to **design and drive collective change**.

Who We Do It For



Colorado APCD Data & Covered Lives



Medicaid

The Medicaid icon is a white rounded square with an orange border and a large orange checkmark at the bottom right.

Medicare &
Medicare
Advantage

The Medicare & Medicare Advantage icon is a white rounded square with a blue border and a large blue checkmark at the bottom right.

*20 Largest
Commercial
Payers

The Commercial Payers icon is a white rounded square with a green border and a large green checkmark at the bottom right.

400+ Million
Medical & Pharmacy
Claims



3.5 Million
Unique Lives



65% of
Insured Coloradans

Medicaid, Medicare Advantage and commercial payer claims currently encompass 2009-2014 adjudicated claims. Medicare currently includes 2009-2011 claims. Covered lives estimates based on 2013 Colorado Division of Insurance Health Cost Report dated December 8, 2014.

*Commercial claims in the APCD do not currently include self-funded lines of business.

Updated June 2015

Public Website Launched Nov 2012

www.comedprice.org



Home

Medical Service Prices

State Costs & Utilization

About CIVHC

ADMINISTERED BY CIVH

POWERED BY TREO 3

Find Prices

Search for comprehensive prices for select hospital services.

Step 1
Service

Step 2
Location

Step 3
Insurance

Your selected search criteria will appear here.

Select a Medical Service

What type of service are you searching for?

Select a service category

Select a Category...
Maternity Care
Surgical and Other Services

Next

Interactive County/Zip Level 3 Data:

Find Costs and Utilization by Geography

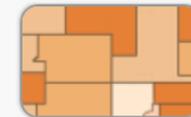
Search for health care costs and utilization of services by county and ZIP Code 3.

Choose one of the most viewed selections.

- Total Cost of Care (TCC)
- TCC Compared to Expected (C2E)
- Percent Generic Scripts
- 30 Day All Cause Readmissions (per population)
- ER Visits
- Diabetes Prevalence
- Asthma Prevalence
- Illness Burden

Total Cost of Care

represents the total dollars paid for all health care services received by an individual such as hospital, clinic, physician visits, and prescription costs. Amounts paid by both the insurer and by the individual in the form of copays, deductibles and other cost sharing mechanisms are included. The results are displayed as a total dollars per person for the year. The rate represents the population living in that geography, not where the services were received.



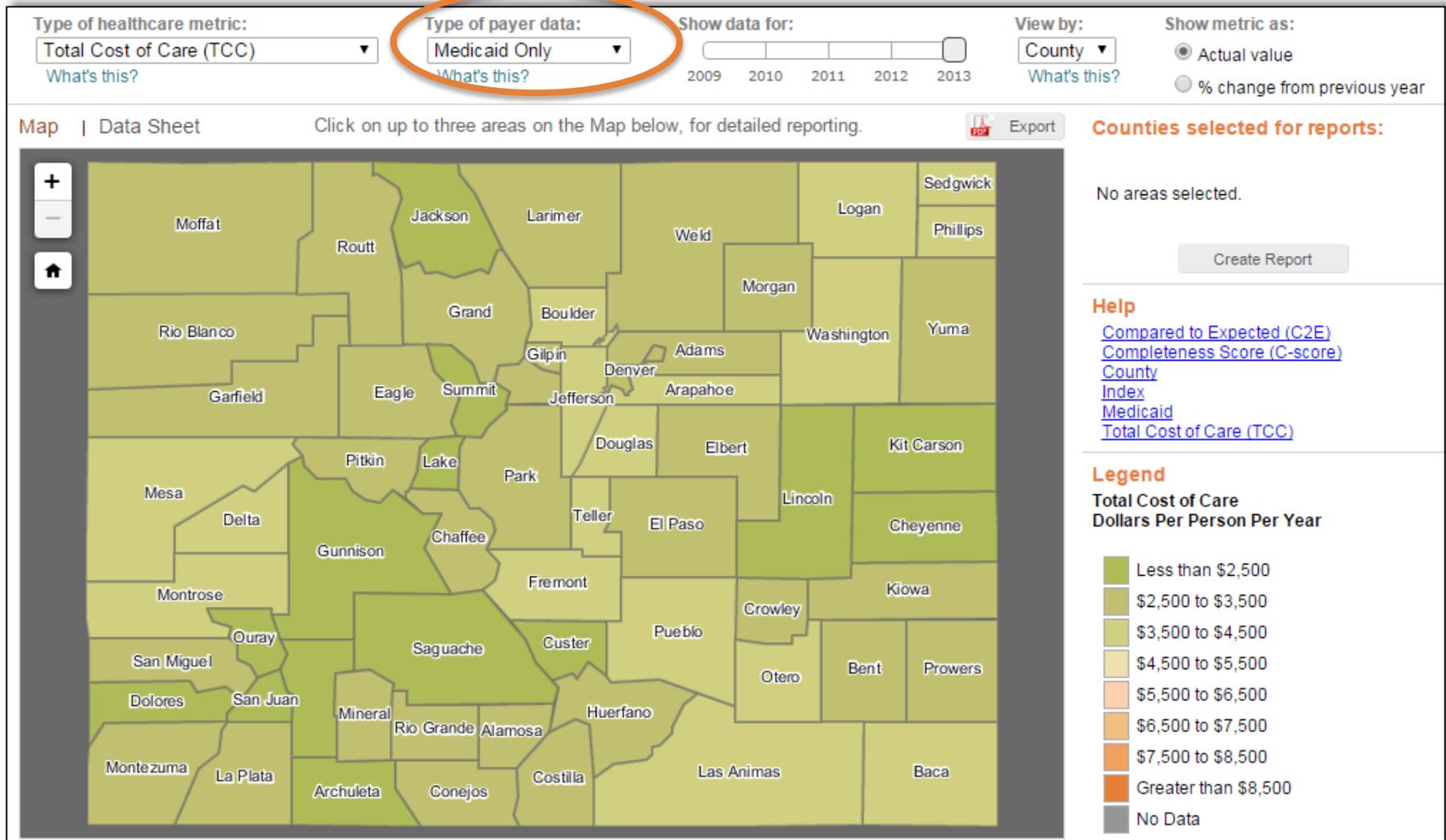
View Map



View Report

View all [Maps](#) or [Reports](#)

Total Cost of Care – Medicaid 2013



Total Cost of Care – Commercial 2013



Type of healthcare metric:

Total Cost of Care (TCC) ▼

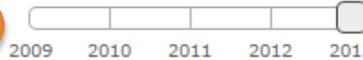
[What's this?](#)

Type of payer data:

Private Insurer Only ▼

[What's this?](#)

Show data for:



View by:

County ▼

[What's this?](#)

Show metric as:

Actual value

% change from previous year

Map | Data Sheet

Click on up to three areas on the Map below, for detailed reporting.

Export

Counties selected for reports:

No areas selected.

Create Report

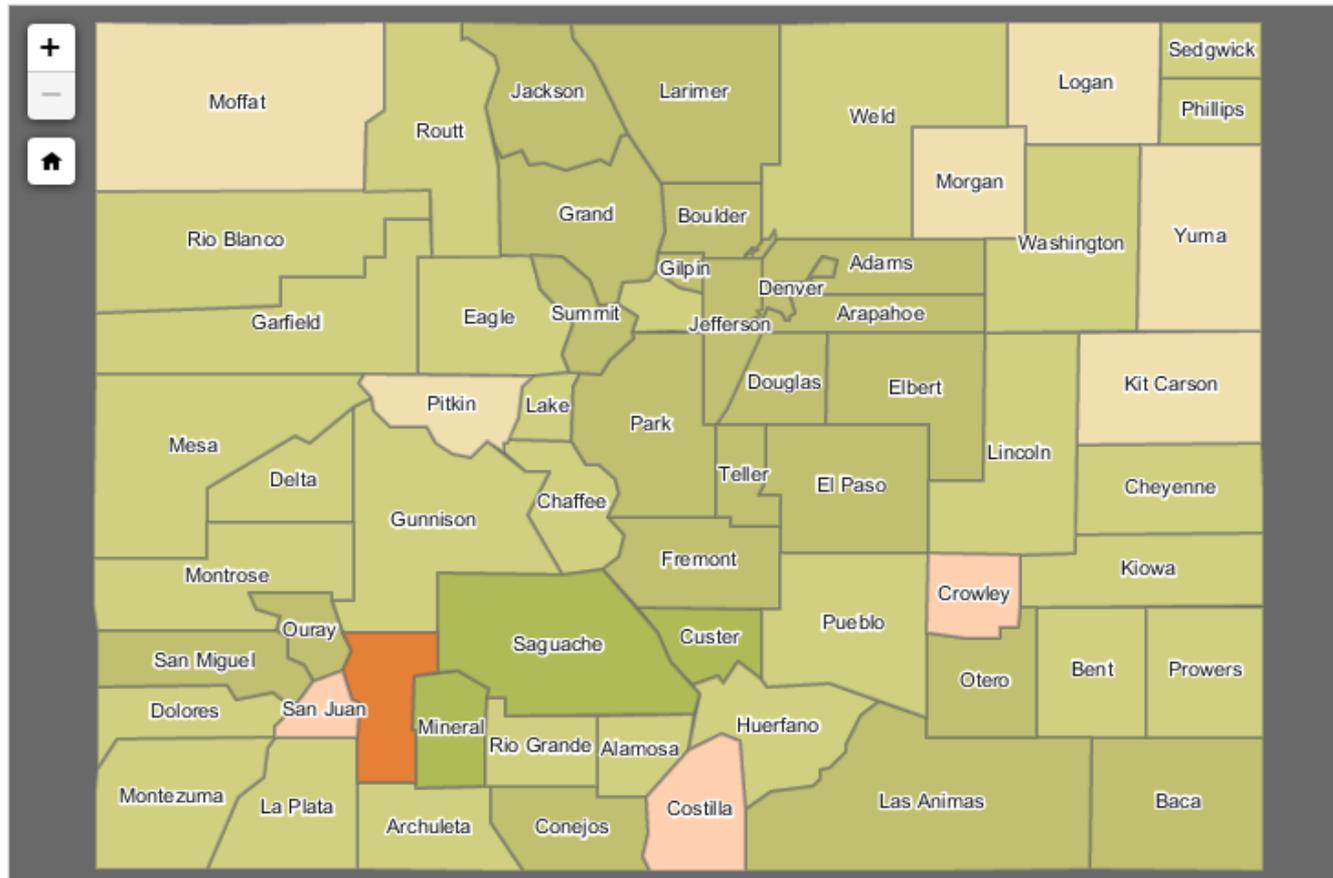
Help

- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County Index](#)
- [Private Insurer](#)
- [Total Cost of Care \(TCC\)](#)

Legend

Total Cost of Care
Dollars Per Person Per Year

- Less than \$2,500
- \$2,500 to \$3,500
- \$3,500 to \$4,500
- \$4,500 to \$5,500
- \$5,500 to \$6,500
- \$6,500 to \$7,500
- \$7,500 to \$8,500
- Greater than \$8,500
- No Data



Illness Burden – Medicare 2011

Type of healthcare metric:

Illness Burden Score

What's this?

Type of payer data:

Medicare Only

What's this?

Show data for:



View by:

County

What's this?

Show metric as:

Actual value

% change from previous year

Map | Data Sheet

Click on up to three areas on the Map below, for detailed reporting.

Export

Counties selected for reports:

No areas selected.

Create Report

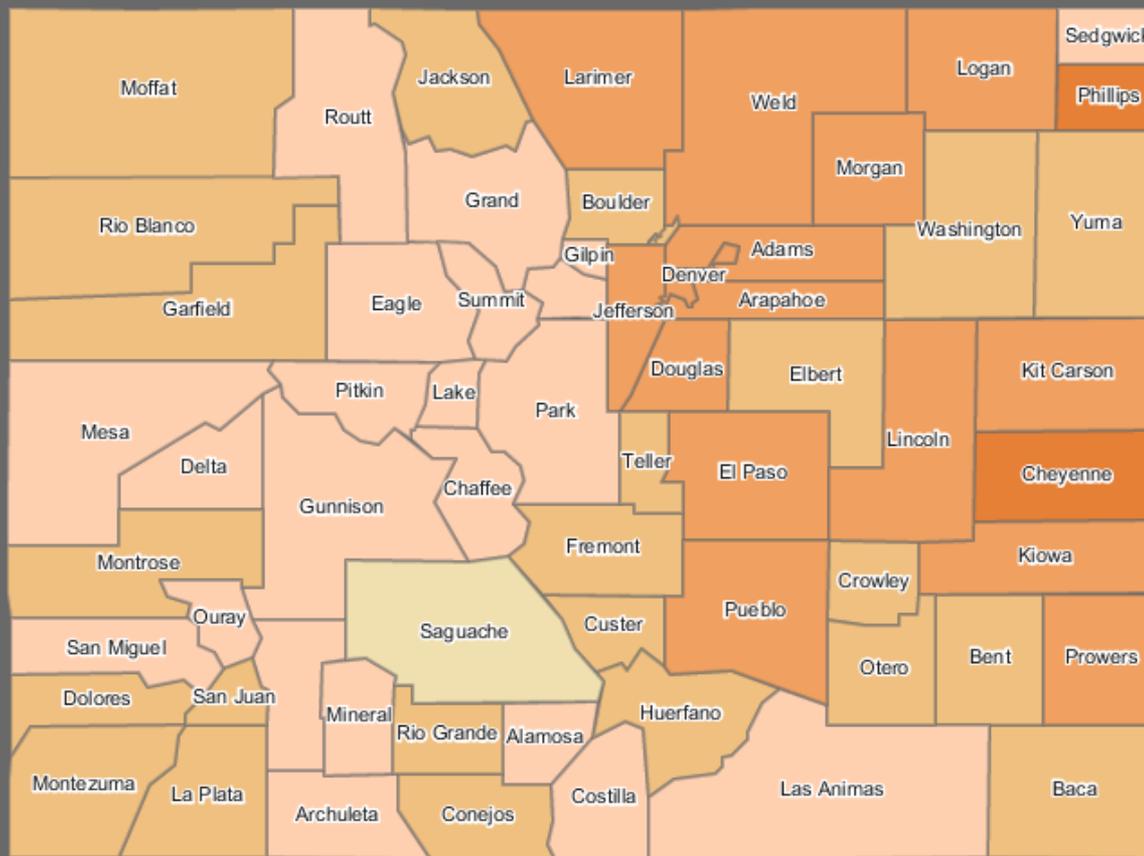
Help

- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County](#)
- [Illness Burden Score](#)
- [Index](#)
- [Medicare](#)

Legend

Illness Burden Score

- Less than .5
- .5 to 1.0
- 1.0 to 1.5
- 1.5 to 2.0
- 2.0 to 2.5
- 2.5 to 3.0
- 3.0 to 3.5
- Greater than 3.5
- No Data



Illness Burden – Medicaid 2013

Type of healthcare metric:

Illness Burden Score

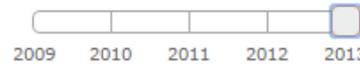
[What's this?](#)

Type of payer data:

Medicaid Only

[What's this?](#)

Show data for:



View by:

County

[What's this?](#)

Show metric as:

Actual value

% change from previous year

Map | Data Sheet

Click on up to three areas on the Map below, for detailed reporting.

 Export

Counties selected for reports:

No areas selected.

Create Report

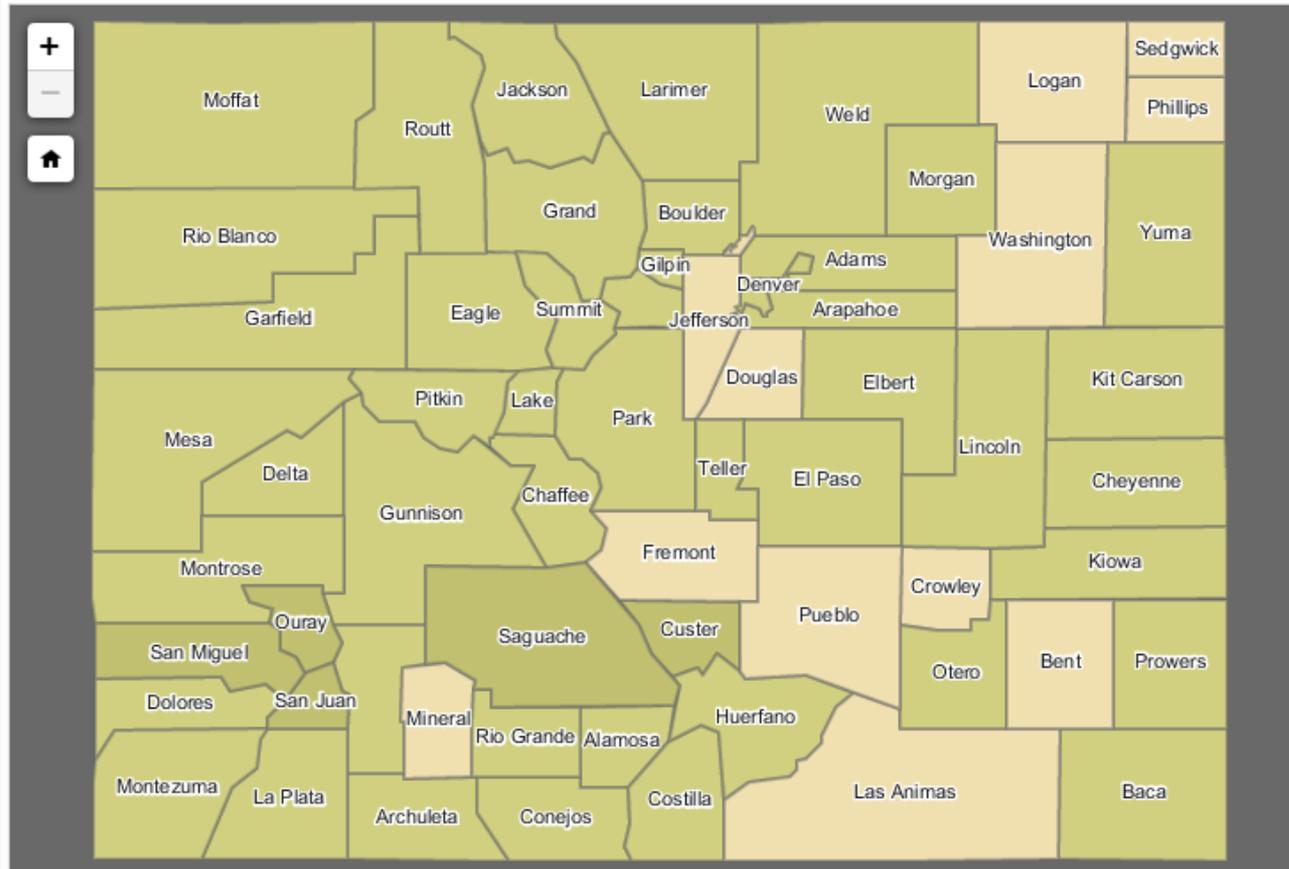
Help

- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County](#)
- [Illness Burden Score](#)
- [Index](#)
- [Medicaid](#)

Legend

Illness Burden Score

-  Less than .5
-  .5 to 1.0
-  1.0 to 1.5
-  1.5 to 2.0
-  2.0 to 2.5
-  2.5 to 3.0
-  3.0 to 3.5
-  No Data



Illness Burden – Commercial 2013



Type of healthcare metric:

Illness Burden Score

[What's this?](#)

Type of payer data:

Private Insurer Only

[What's this?](#)

Show data for:

2009 2010 2011 2012 2013

View by:

County

[What's this?](#)

Show metric as:

Actual value

% change from previous year

Map | Data Sheet

Click on up to three areas on the Map below, for detailed reporting.

Export

Counties selected for reports:

No areas selected.

Create Report

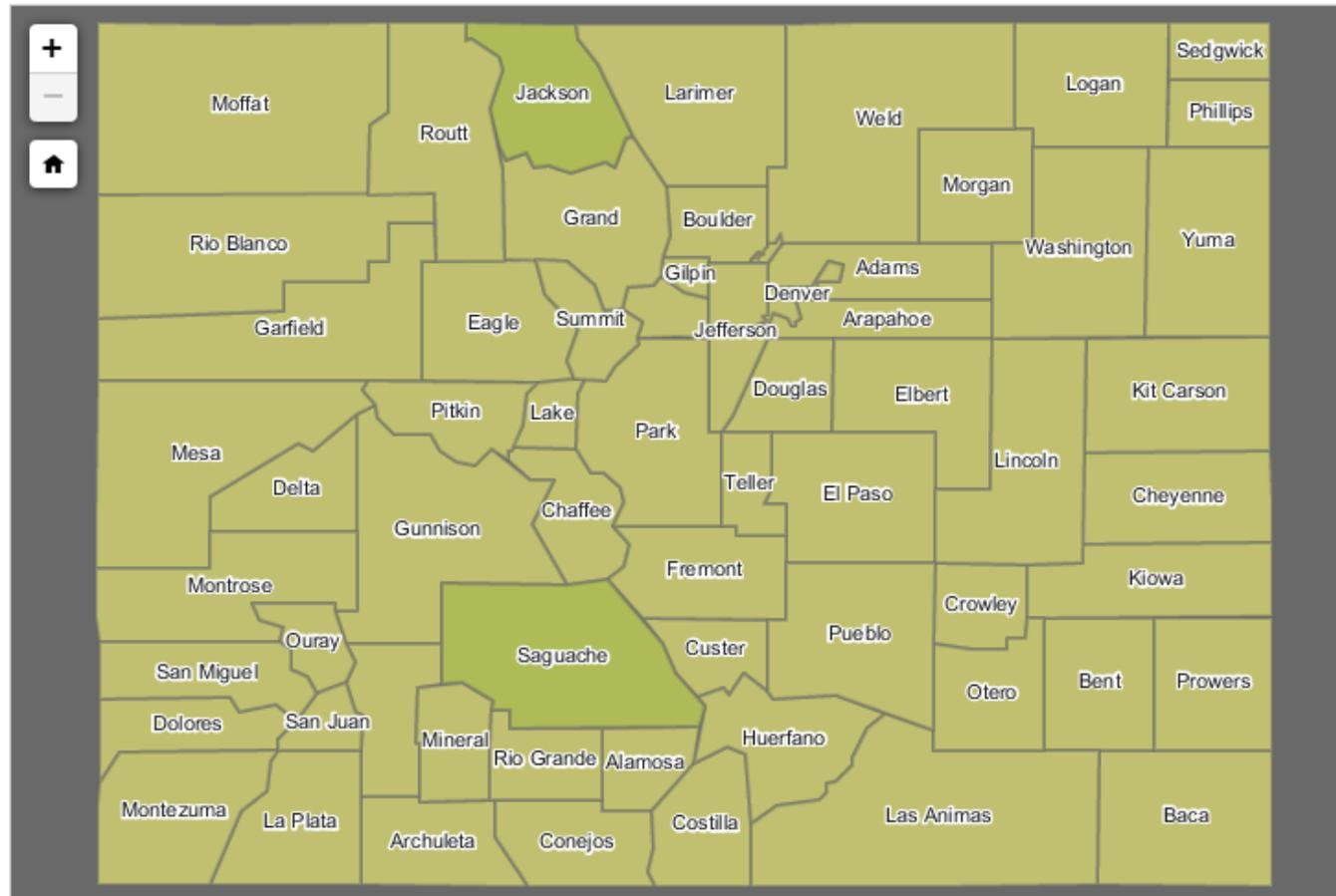
Help

- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County](#)
- [Illness Burden Score](#)
- [Index](#)
- [Private Insurer](#)

Legend

Illness Burden Score

- Less than .5
- .5 to 1.0
- 1.0 to 1.5
- 1.5 to 2.0
- 2.0 to 2.5
- 2.5 to 3.0
- 3.0 to 3.5
- Greater than 3.5
- No Data



TCC Compared to Expected – Medicare 2011

Type of healthcare metric:

TCC Compared to Expected (C2E) ▾

[What's this?](#)

Type of payer data:

Medicare Only ▾

[What's this?](#)

Show data for:



2009 2010 2011 2012 2013

View by:

County ▾

[What's this?](#)

Show metric as:

Actual value

% change from previous year

Map | Data Sheet

Click on up to three areas on the Map below, for detailed reporting.

 Export

Counties selected for reports:

No areas selected.

Create Report

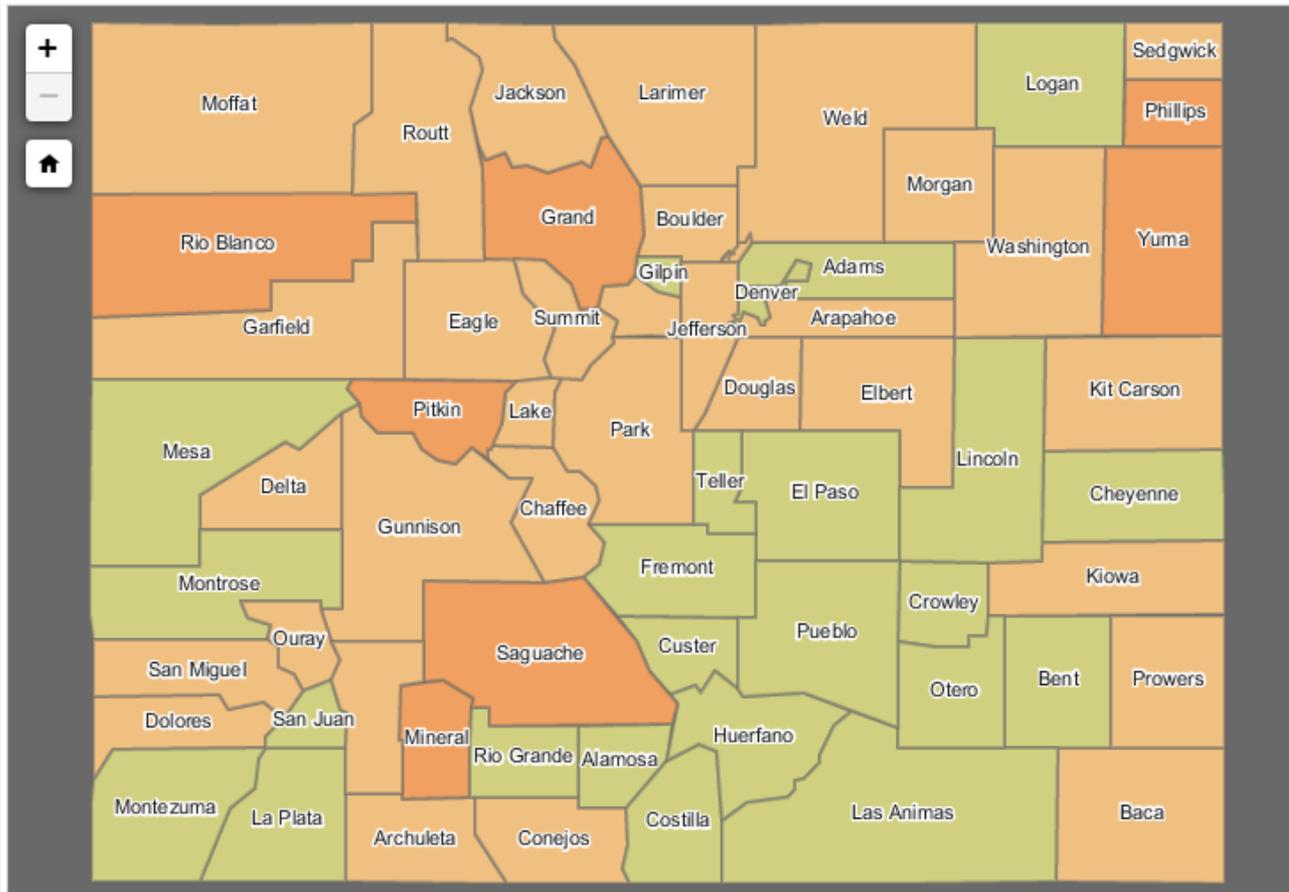
Help

- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County](#)
- [Index](#)
- [Medicare](#)
- [TCC Compared to Expected \(C2E\)](#)

Legend

Total Cost of Care C2E
Dollars Per Member Per Year

-  Less than -50%
-  -50% to -25%
-  -25% to 0%
-  0% to 25%
-  25% to 50%
-  Greater than 50%
-  No Data



TCC Compared to Expected - Medicaid 2013

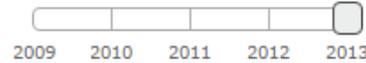
Type of healthcare metric:

TCC Compared to Expected (C2E)

Type of payer data:

Medicaid Only

Show data for:



View by:

County

Show metric as:

- Actual value
- % change from previous year

Map | Data Sheet

Click on up to three areas on the Map below, for detailed reporting.

Counties selected for reports:

No areas selected.

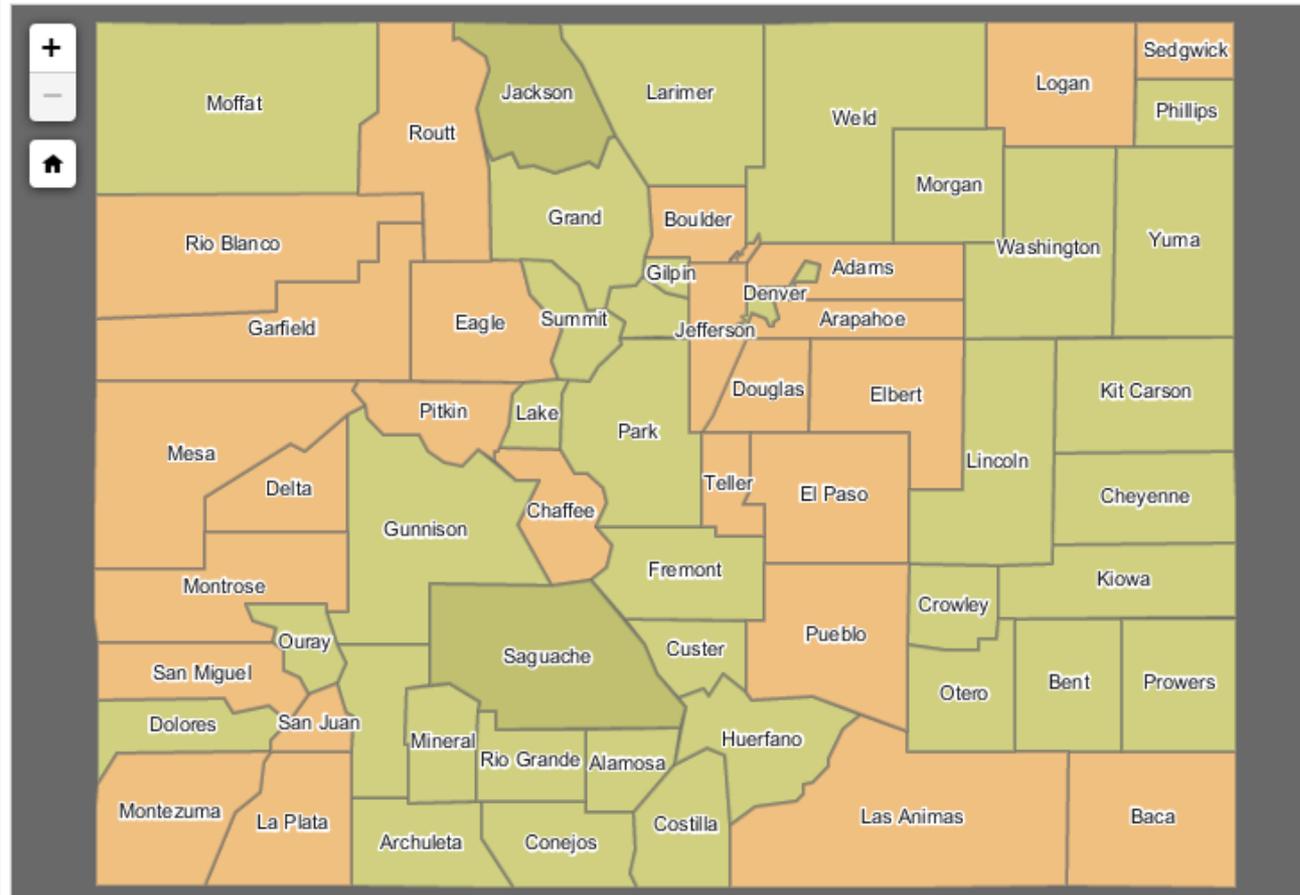
Help

- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County Index](#)
- [Medicaid](#)
- [TCC Compared to Expected \(C2E\)](#)

Legend

Total Cost of Care C2E
Dollars Per Member Per Year

- Less than -50%
- 50% to -25%
- 25% to 0%
- 0% to 25%
- 25% to 50%
- Greater than 50%
- No Data



TCC Compared to Expected – Commercial 2013



Type of healthcare metric: TCC Compared to Expected (C2E) ▾
What's this?

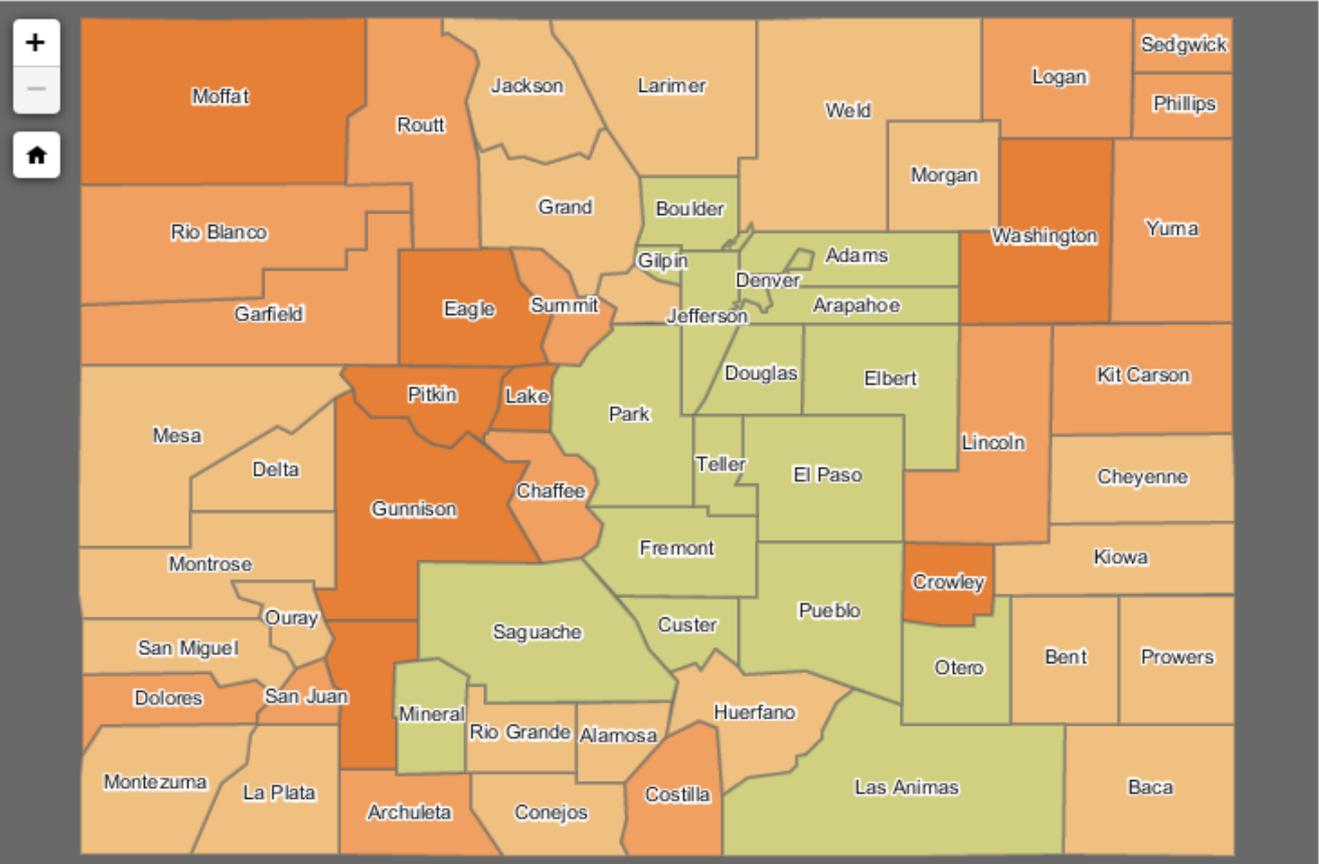
Type of payer data: Private Insurer Only ▾
What's this?

Show data for: 2009 2010 2011 2012 2013

View by: County ▾
What's this?

Show metric as:
 Actual value
 % change from previous year

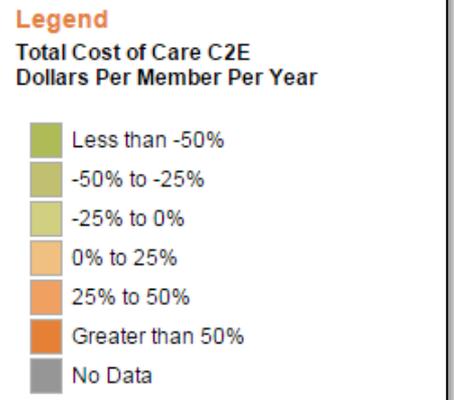
Map | Data Sheet Click on up to three areas on the Map below, for detailed reporting. Export **Countries selected for reports:**



No areas selected.

[Create Report](#)

- Help**
- [Compared to Expected \(C2E\)](#)
 - [Completeness Score \(C-score\)](#)
 - [County Index](#)
 - [Private Insurer](#)
 - [TCC Compared to Expected \(C2E\)](#)



TCC Compared to Expected Detail



Type of payer data:

Show data for:

View by:

Selected Areas :

Private Insurer Only ▾



County ▾

Denver
Pitkin
Pueblo

Modify

What's this?

2009 2010 2011 2012 2013

What's this?

Report Filters

Comparative

Compared to Expected (C2E) ▾

Total Cost of Care

PDF Export

	Denver		Pitkin		Pueblo		State
Completeness Score	C3		C2		C3		C3
Illness Burden Score	0.68		0.63		0.85		0.70
	Actual	C2E Dollars	Actual	C2E Dollars	Actual	C2E Dollars	Actual
▼ Dollars Paid Per Person Per Year							
Total Cost of Care	\$2,899	-7%	\$4,880	77%	\$3,703	-9%	\$3,176
Inpatient Facility Cost	\$481	-11%	\$922	102%	\$761	-11%	\$560
Outpatient Facility Cost	\$724	-15%	\$1,822	127%	\$979	-10%	\$887
ER Facility Cost (subset of Outpatient Cost)	\$174	-5%	\$189	13%	\$272	25%	\$180
Professional Cost	\$901	-6%	\$1,558	71%	\$1,105	-5%	\$984
Ancillary Cost	\$75	-2%	\$84	0%	\$81	-17%	\$78
Rx Cost	\$718	5%	\$495	0%	\$778	-10%	\$667
% Generic	31%	-1%	41%	15%	31%	4%	32%
▼ Dollars Paid Per Person Per Year by Gender/Age							
Female	\$3,328	-5%	\$5,054	64%	\$4,047	-10%	\$3,572
1 - Child (0-17)	\$1,647	2%	\$2,844	45%	\$2,016	12%	\$1,567
2 - Young adult (18 - 34)	\$2,510	-8%	\$3,561	67%	\$2,977	-6%	\$2,875
3 - Mature adult (35 - 64)	\$4,519	-5%	\$6,491	72%	\$5,074	-14%	\$4,674
4 - Senior adult (65 +)	\$4,898	-7%	\$4,606	-26%	\$5,389	4%	\$5,560

All Cause Readmissions, 30 Days – Medicaid 2013



Type of healthcare metric:

Readmissions, All Cause 30 Day (per population)

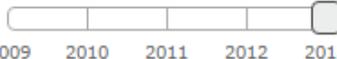
[What's this?](#)

Type of payer data:

Medicaid Only

[What's this?](#)

Show data for:



View by:

County

[What's this?](#)

Show metric as:

Actual value

% change from previous year

Map | [Data Sheet](#)

Click on up to three areas on the Map below, for detailed reporting.

[Export](#)

Counties selected for reports:

No areas selected.

[Create Report](#)

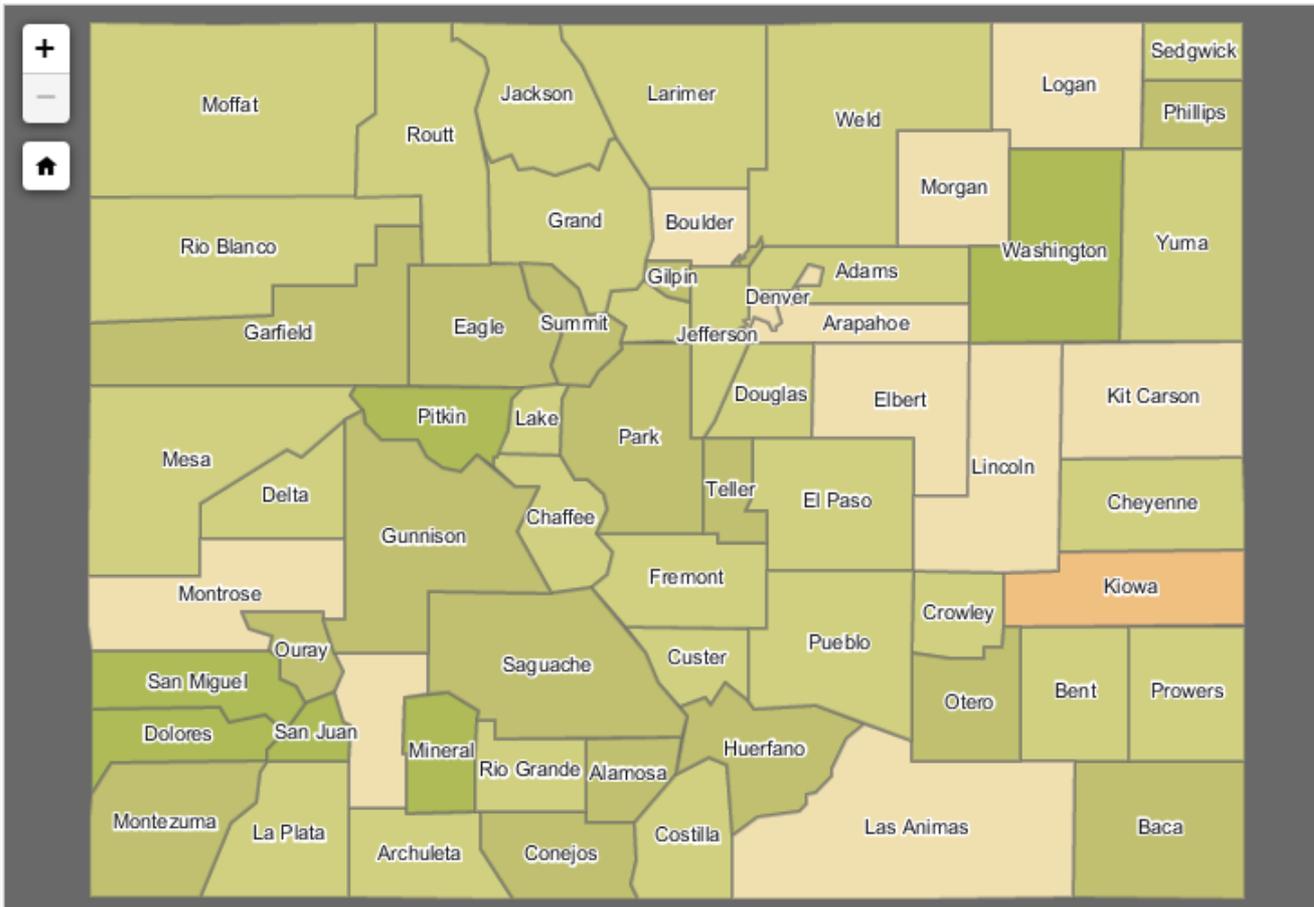
Help

- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County Index](#)
- [Medicaid Readmissions, All Cause 30 Day \(per population\)](#)

Legend

Readmissions, All Cause 30 Day (per population)
Per Thousand Members Per Year

- Less than 2.0
- 2.0 to 5.0
- 5.0 to 10.0
- 10.0 to 20.0
- 20.0 to 30.0
- 30.0 to 40.0
- No Data



Readmissions, 30 Day All Cause Detail – Medicaid 2013

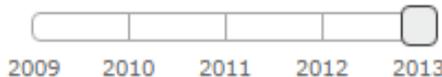


Type of payer data:

Medicaid Only ▼

[What's this?](#)

Show data for:



View by:

County ▼

[What's this?](#)

Selected Areas :

Denver
Pitkin
Pueblo

Modify

Readmissions, All Cause 30 Day (per population)

Export

	Denver		Pitkin		Pueblo		State
Completeness Score	C3		C2		C3		C3
Illness Burden Score	1.35		1.31		1.62		1.41
	Value	Index	Value	Index	Value	Index	Value
▼ All Cause 30 Day Readmissions Per Thousand Per Year							
All Cause 30 Day Readmissions	16.7	1.76	0.0	0.00	7.2	0.76	9.5
▼ Percent of All Cause 30 Day Readmissions by Service Line							
Behavioral Health	0.46%	1.48	0.00%	0.00	0.00%	0.00	0.31%
Cardiology	4.45%	0.85	0.00%	0.00	3.96%	0.76	5.21%
Gastroenterology	4.33%	0.57	0.00%	0.00	9.25%	1.22	7.56%
General Surgery	2.91%	0.58	0.00%	0.00	5.29%	1.06	4.97%
Neonatology	1.71%	0.38	0.00%	0.00	3.96%	0.88	4.52%
Neurology	2.45%	0.56	0.00%	0.00	6.61%	1.50	4.40%
Obstetrics/Delivery	5.42%	0.48	0.00%	0.00	12.33%	1.08	11.38%
Orthopedic Surgery	1.03%	0.48	0.00%	0.00	3.96%	1.87	2.12%
Other	0.40%	1.05	0.00%	0.00	0.00%	0.00	0.38%
Other Medical	16.02%	0.72	0.00%	0.00	36.56%	1.63	22.39%
Other Surgical	0.68%	0.47	0.00%	0.00	1.32%	0.91	1.45%
Pulmonary	3.71%	0.49	0.00%	0.00	11.01%	1.45	7.58%



Inpatient Utilization Trend Graphs



Type of payer data:

Private Insurer Only ▾

[What's this?](#)

Show data for:



2009 2010 2011 2012 2013

View by:

County ▾

[What's this?](#)

Selected Areas :

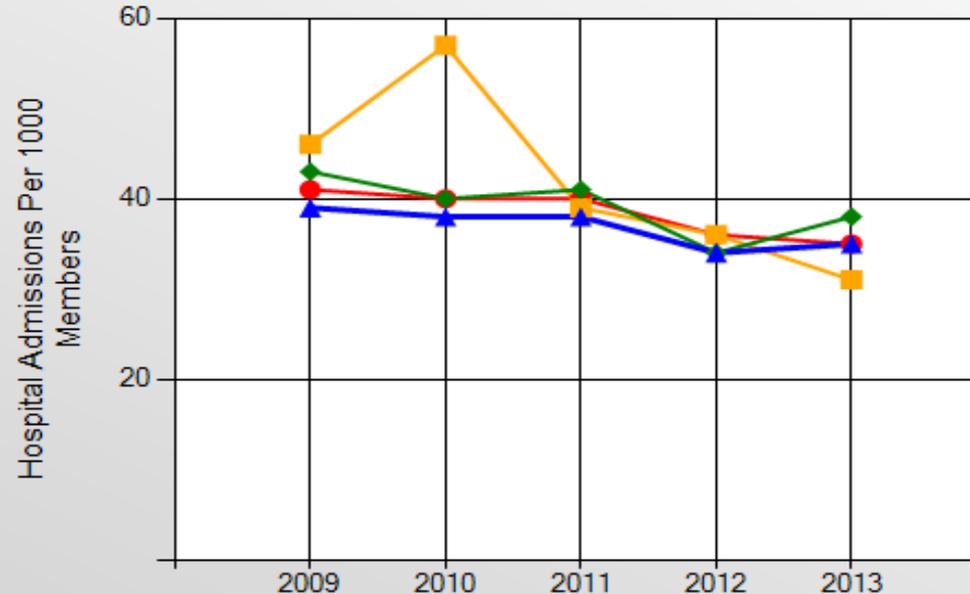
Denver
Pitkin
Pueblo

Modify

Utilization Trend Graphs

Export

Inpatient Utilization



The 'Completeness Score' (C-score) is an indicator of claims submission comprehensiveness.

Percent of expected claim counts:

- C1 – Less than 25%
- C2 – Between 25% and 50%
- C3 – Between 50% and 75%
- C4 – Greater than 75%

Inpatient Utilization

Outpatient Utilization

ER Utilization

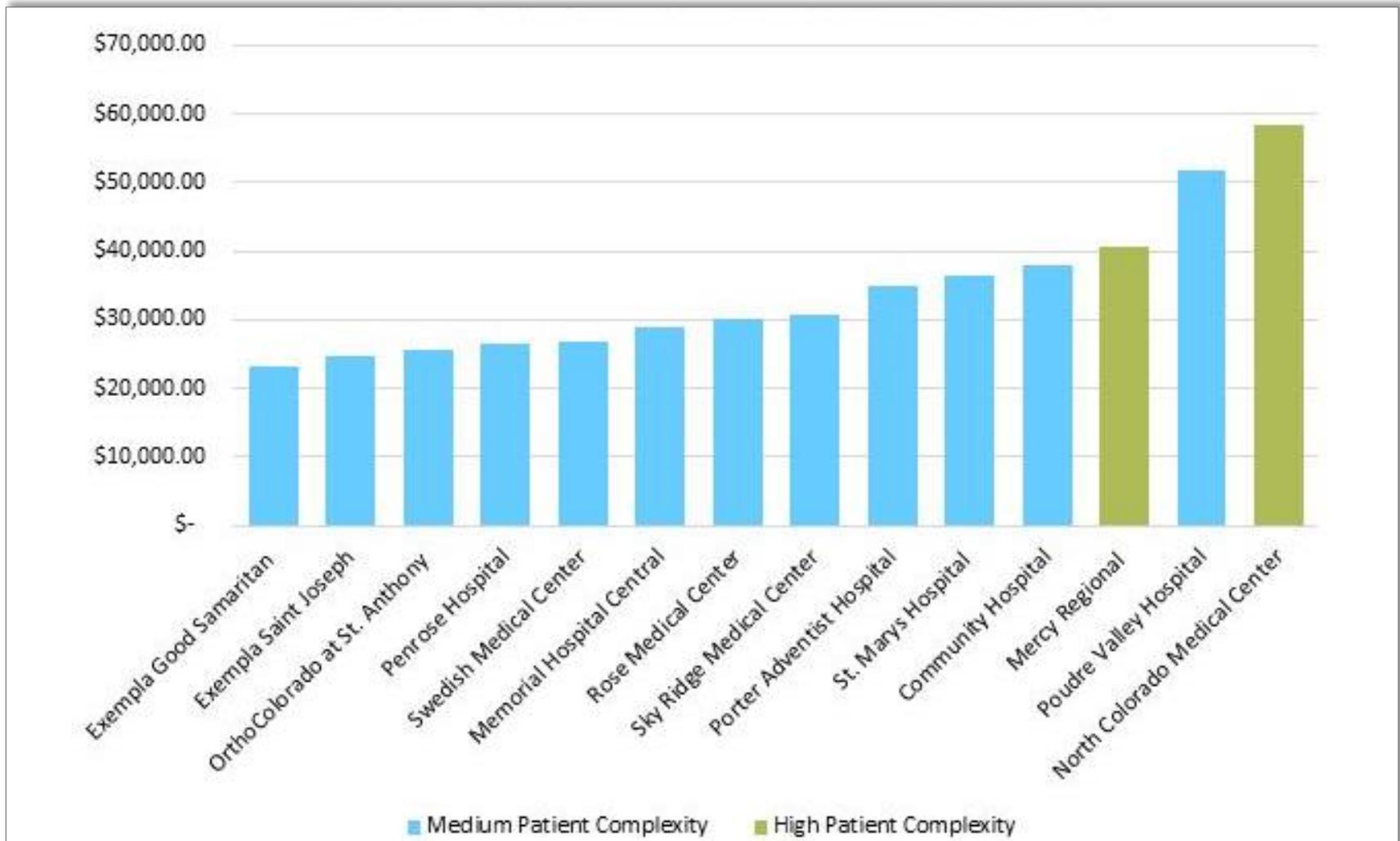
Professional Utilization

Ancillary Utilization

Rx Utilization



Knee Replacement Median Price & Patient Complexity (Commercially insured, < 65 years of age, comedprice.org)



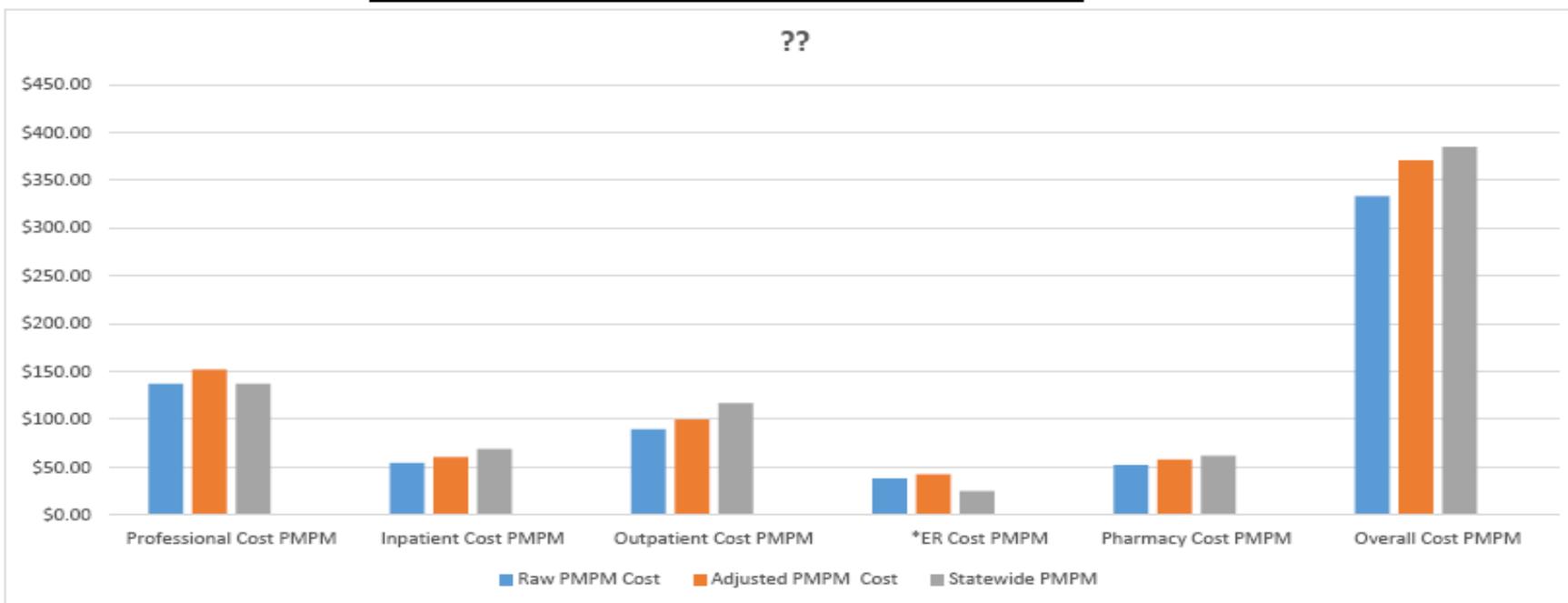
For all facilities displayed, including Good Samaritan and St. Joseph Hospital, prices reflect median payments made by health plans and patients. These payments include facility, physician and ancillary payments. Prices reflect 2012 data available on www.comedprice.org.

Total Cost of Care By PCP

Physician Group Name:

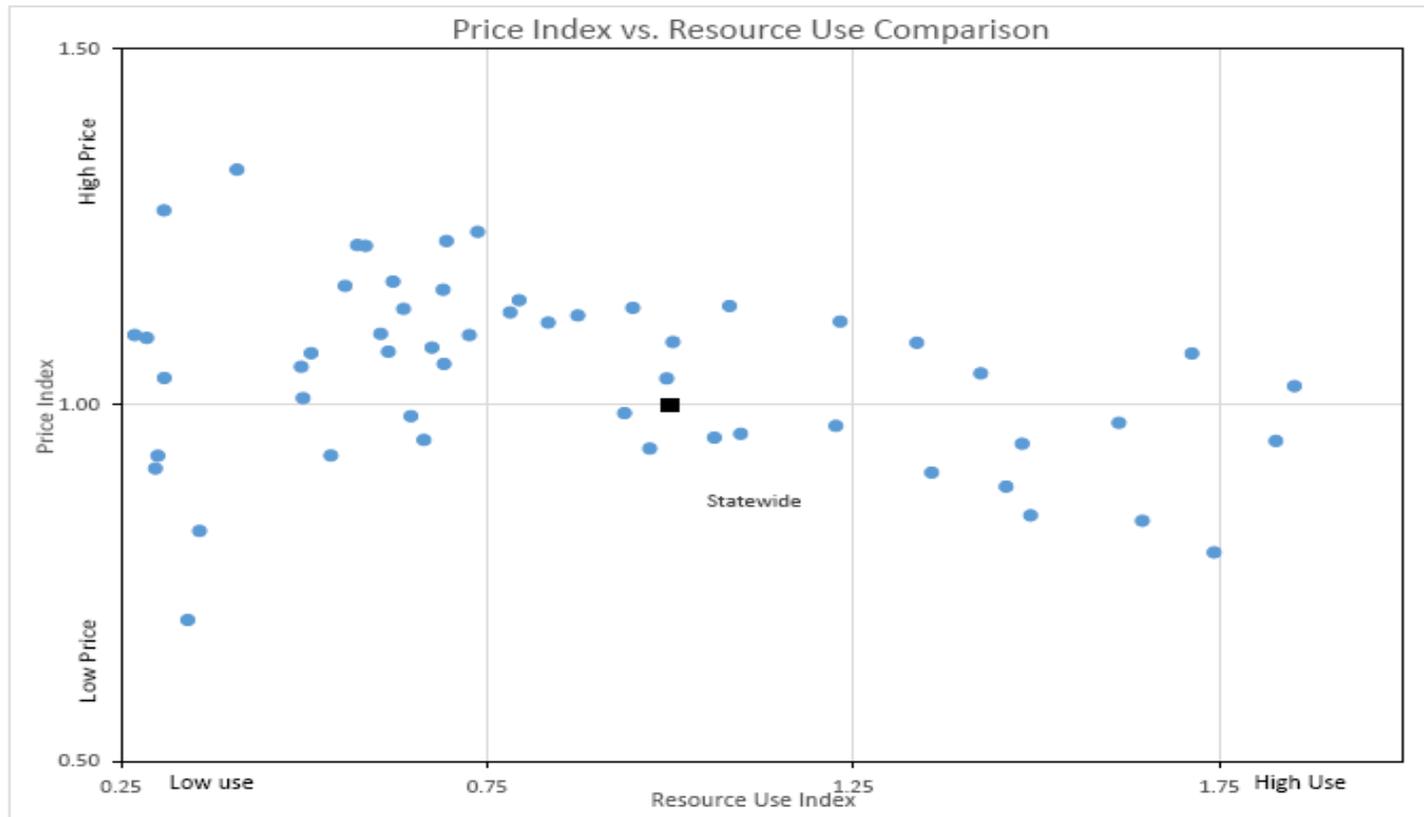
Summary by Service Category

Summary by Service Category	PCP Group		Colorado	PCP Group			Physician		
	Raw PMPM Cost	Adjusted PMPM Cost	Statewide PMPM Cost	TCI =	Price Index	x RUI	Group	Statewide	
Professional Cost PMPM	\$137.19	\$152.43	\$137.19	1.11	1.11	1.00	% Female	53	57
Inpatient Cost PMPM	\$54.65	\$60.72	\$68.99	0.88	0.73	1.20	% Under 18	18	25
Outpatient Cost PMPM	\$89.56	\$99.51	\$116.95	0.85	1.04	0.82	Attributed Members	1754	100,164
*ER Cost PMPM	\$38.25	\$42.50	\$24.96	1.70	2.00	0.85	Risk Score	0.90	1.00
Pharmacy Cost PMPM	\$52.11	\$57.90	\$61.85	0.94	0.80	1.17			
Overall Cost PMPM	\$333.51	\$370.57	\$384.98	0.96	0.93	1.04			



*ER is a subset of Outpatient.

Total Cost of Care Comparison



Definitions

Average Risk Score:	a weighted average of all enrollees' individual risk scores which is based on the demographics and disease burden of the population.
TCI (Total Cost Index):	a risk-adjusted measure of the cost effectiveness of managing patient health care relative to the Colorado average and reflects both the volume and price of services provided.
Price Index:	a risk-adjusted measure of the price component of managing patient health care and is affected by fee schedules, referral patterns and site of service.
RUI (Resource Use Index):	a risk-adjusted measure of the volume of health care services used to manage patient health care relative to the Colorado average.
Raw Per Member Per Month (PMPM):	the total amount paid, by both the health plan and the patient (for all attributed patients) divided by the total number of member months.
Adjusted PMPM:	the Raw PMPM amount risk adjusted based on the Johns Hopkins ACG System. This facilitates comparisons to other PCP groups by taking into account differences in disease patterns, age and gender.



Contact Information

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