

The Road to Transparency.

Creating comprehensive, public-facing reports on cost, utilization, condition prevalence and quality of care from the Colorado APCD.



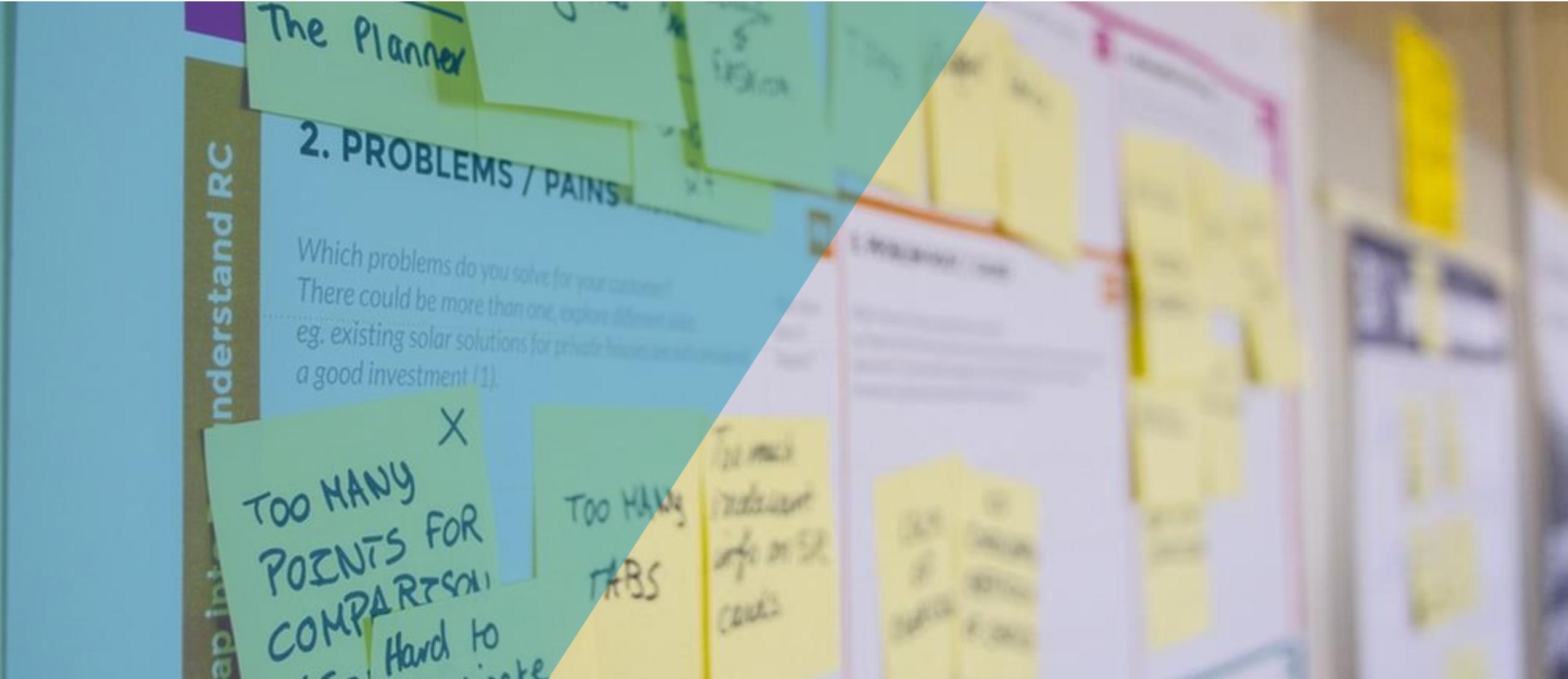
BACKGROUND



Background

- CIVHC partnered with HSRI and NORC to develop a set of interactive dashboards of statewide measures
- The goal was to promote the use of the APCD to improve healthcare transparency around:
 - Cost of care
 - Utilization of services
 - Condition prevalence
 - Quality measures
- Identify stakeholders:
 - General Public
 - Policy Makers
 - Community Health Organizations
 - Hospitals
 - Payers

DESIGN



Data Visualization Design

1

Increasing level of complexity in data visualizations.

Reduces cognitive burden and allows for differing levels of health care literacy.

2

Standardized design across all four data visualizations.

Creates cohesive user experience.

3

Chose a data visualization tool that allows for ease of use.

4

Leveraged industry standard metrics from tools such as the John Hopkins Adjusted Clinical Groups (ACG) System as well as developed metrics specifically for Colorado's APCD

Website Design

1

Combine three different sites, civhc.org, comedprice.org, and comedshowcase.org, into one user-friendly experience

2

Ensure users are able to find the data they are looking for with easy to navigate tabs

3

Simplify content on pages for data with links to more detailed info on methodology

4

Include Considerations and Insights document to help users easily identify key findings

Results



Walk Through of Visualizations

Cost Overview | Cost Trends | Cost Maps & Geographic Profiles

Select WHO'S PAYING: Health Plan and Patient Cost | Select YEAR: 2015 | Select AGE GROUP: All | Select GENDER: All

Select RURAL vs. URBAN: Statewide

Health Plan and Patient Cost per Person per Year (PPPY), by Geography, Payer Type and Service Type

Payer Type	Pharmacy	Professional	Outpatient	Inpatient
All Payers	\$910	\$1,401	\$879	\$840
Commercial	\$801	\$1,364	\$891	\$759
Medicaid	\$758	\$1,174	\$895	\$640
Medicare Advantage	\$1,894	\$2,494	\$764	\$1,988

Health Plan and Patient Cost per Person per Year (PPPY), by Payer Type, Service Type and Geography

	All Payers	Commercial	Medicaid	Medicare Advantage
STATEWIDE				
Total	\$3,925	\$3,674	\$3,406	\$7,065
Inpatient	\$840	\$759	\$640	\$1,988
Outpatient	\$879	\$891	\$895	\$764
Professional	\$1,401	\$1,364	\$1,174	\$2,494
Pharmacy	\$910	\$801	\$758	\$1,894
URBAN				
Total	\$3,930	\$3,644	\$3,398	\$7,016
Inpatient	\$856	\$760	\$649	\$2,002
Outpatient	\$851	\$847	\$885	\$740
Professional	\$1,413	\$1,372	\$1,177	\$2,464
Pharmacy	\$916	\$802	\$754	\$1,879
RURAL				
Total	\$3,888	\$3,985	\$3,454	\$7,996
Inpatient	\$702	\$748	\$583	\$1,719
Outpatient	\$1,116	\$1,351	\$964	\$1,217
Professional	\$1,300	\$1,282	\$1,153	\$3,072
Pharmacy	\$861	\$787	\$782	\$2,181

Notes: Overall PPPY values do not equal the sum of the PPPY values for individual service categories because not all members are eligible for both medical and pharmacy services. For more information, please refer to the report methodology. Blank cells indicate that the value was suppressed due to low volume.

Cost Overview | Cost Trends | Cost Maps & Geographic Profiles

Select WHO'S PAYING: Health Plan and Patient Cost | Select AGE GROUP: All | Select GENDER: All

Health Plan and Patient Cost per Person per Year (PPPY), Trends by Payer Type

	2012	2013	2014	2015	Avg. % Change*
All Payers	\$3,334	\$3,809	\$3,820	\$3,925	5.7%
Commercial	\$3,031	\$3,767	\$3,833	\$3,674	7.3%
Medicaid	\$3,072	\$3,207	\$3,159	\$3,406	3.7%
Medicare Advantage	\$5,462	\$5,628	\$6,107	\$7,065	9.3%

* Average of annual percent change values from 2012 to 2013, 2013 to 2014, and 2014 to 2015

Health Plan and Patient Cost per Person per Year (PPPY), Trends by Geography and Payer Type

Select RURAL vs. URBAN: Statewide

Health Plan and Patient Cost per Person per Year (PPPY), Trends by Payer Type and Service Type

Select PAYER TYPE: All Payers

Blank cells indicate that the value was suppressed due to low volume.

Cost Overview | Cost Trends | Cost Maps & Geographic Profiles

Select WHO'S PAYING: Health Plan and Patient Cost | Select YEAR: 2015 | Select AGE GROUP: All | Select GENDER: All

Select to view by COUNTY or HEALTH STATISTICS REGION: Adams

Health Plan and Patient Cost per Person per Year (PPPY), by County

Select a specific COUNTY or a HEALTH STATISTICS REGION: Adams

	All Payers	Commercial	Medicaid	Medicare Advantage
Adams				
Total	\$3,680	\$3,451	\$3,052	\$7,407
Inpatient	\$852	\$779	\$620	\$2,183
Outpatient	\$827	\$798	\$841	\$871
Professional	\$1,297	\$1,295	\$1,049	\$2,439
Pharmacy	\$786	\$668	\$602	\$1,978
Total PPPY Comparison				
Statewide	\$3,925	\$3,674	\$3,406	\$7,065
Urban	\$3,930	\$3,644	\$3,398	\$7,016
Rural	\$3,888	\$3,985	\$3,454	\$7,996

Health Plan and Patient Cost per Person per Year (PPPY), Map and Statewide Comparison

Select PAYER TYPE: All Payers | Sort Chart By:

Notes: Overall PPPY values do not equal the sum of the PPPY values for individual service categories because not all members are eligible for both medical and pharmacy services. For more information, please refer to the report methodology. Blank cells indicate that the value was suppressed

Service Costs

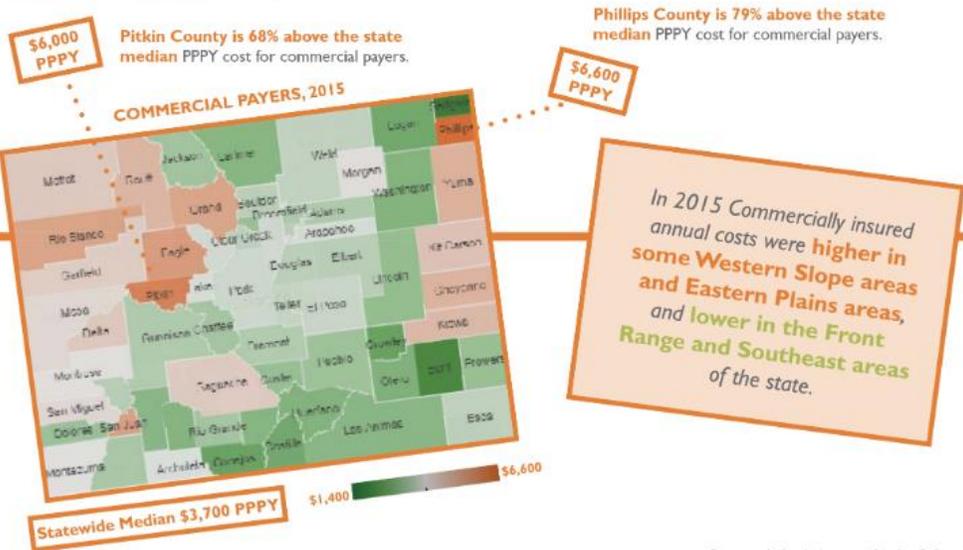
The **biggest increase** in costs across all payers is in the **pharmacy service category**. Medicare Advantage had the highest increase in pharmacy, from **\$440 PPPY to \$1,900 PPPY**.

SERVICE CATEGORY AVERAGE PERCENT CHANGE FROM 2012-2015



*Professional services typically occur in inpatient, outpatient, or clinic settings and are typically billed separately.

County Profiles



To learn more, visit us at:

www.civhc.org/get-data/interactive-data/statewide-metrics/cost-of-care

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“CIVHC's reports on health care utilization and costs helps me identify opportunities and areas for improvement that my nonprofit can work on.”

“We are a small nonprofit and desperately need the information CIVHC produces for the community.”

“CIVHC provides valuable population level insight and data to help guide public health efforts in Colorado.”



Future Improvements

- Extract available for each report
- Calendar Years 2016 and 2017
- Additional quality metrics and prevalence rates for chronic conditions
- Medicare Fee-for-Service

Visit: www.civhc.org

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