



CENTER FOR IMPROVING
VALUE IN HEALTH CARE

CO APCD: Identifying ways to improve health in Colorado

Culture of Data Conference, 6.23.17

Cari Frank, MBA, Dir. of Communication &
Marketing

Higher Quality. Lower Cost. A Healthier Colorado.

Who We Are

- Non-profit, objective organization

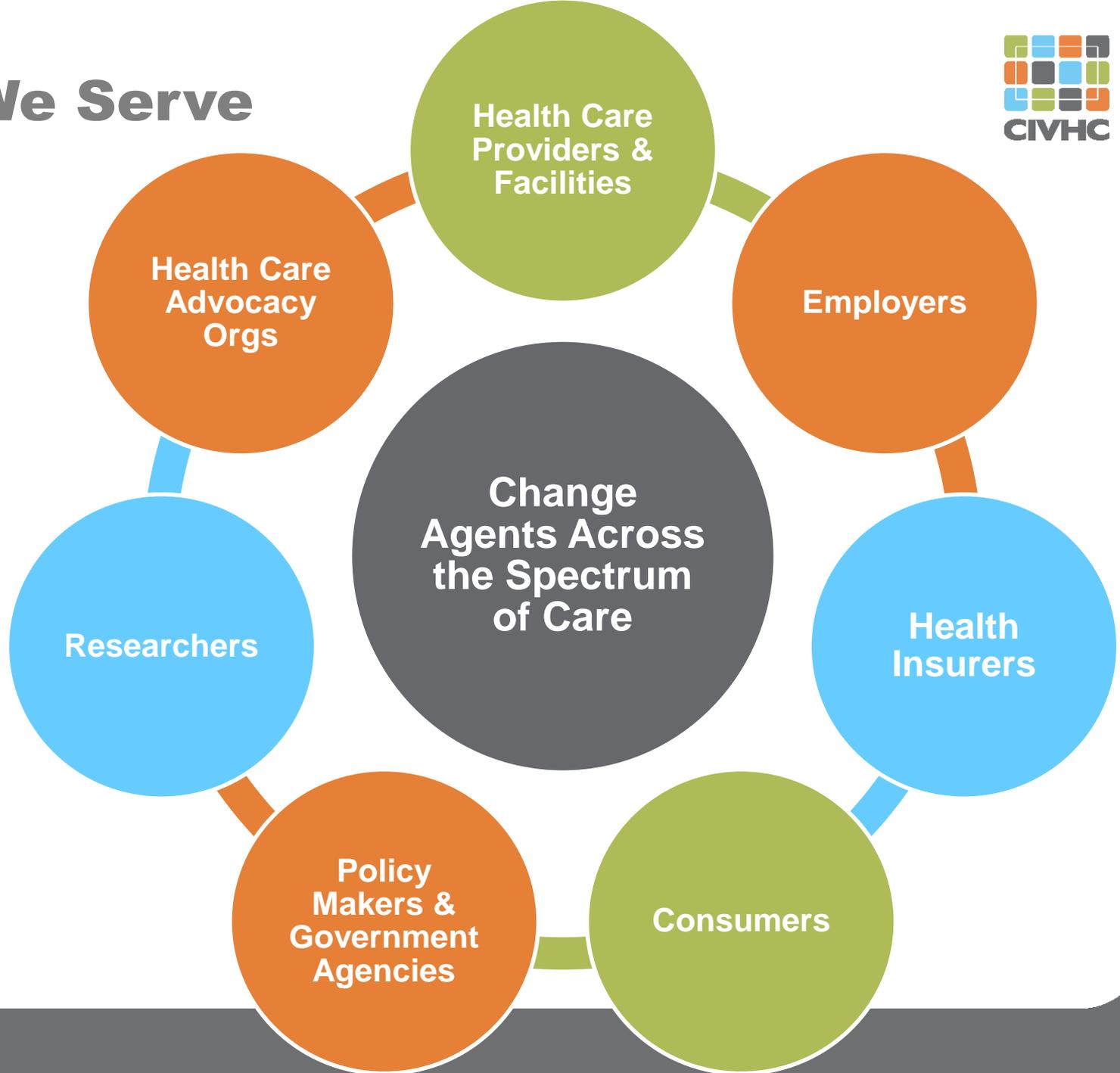
**Better
Care**

**Better
Health**

**Lower
Costs**

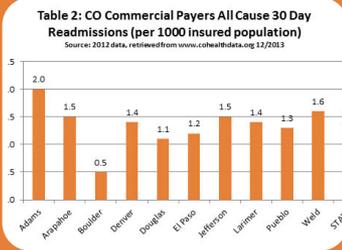
We strive to empower individuals, communities and organizations through collaborative support services and health care information to advance the Triple Aim.

Who We Serve



Focus Areas

Data Transparency



- We administer the Colorado All Payer Claims Database, the state’s most comprehensive claims dataset.
- We provide public and custom data access to advance the Triple Aim.



Improving How Care is Paid For

- We support new ways to pay for care that lower costs and improve outcomes for patients.



Improving Care Delivery

- We manage Healthy Transitions Colorado, a collaborative aimed at improving transitions of care for patients
- We work with organizations to expand Palliative Care services

CO APCD Represents Majority of CO



Colorado APCD Data & Covered Lives

Health
First
Colorado*

Medicare &
Medicare
Advantage

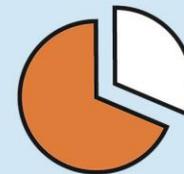
21 Largest
Commercial
Payers**



510+ Million
Medical & Pharmacy
Claims



4.3 Million
Unique Lives



Majority of
Insured Coloradans

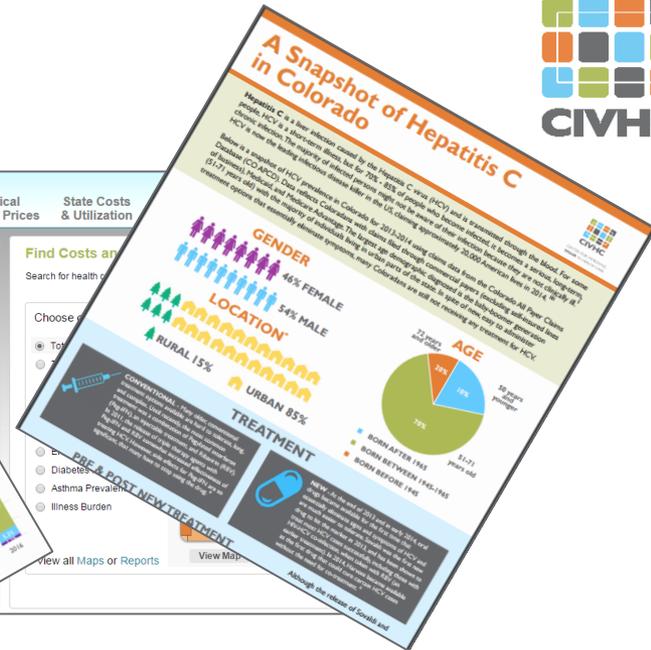
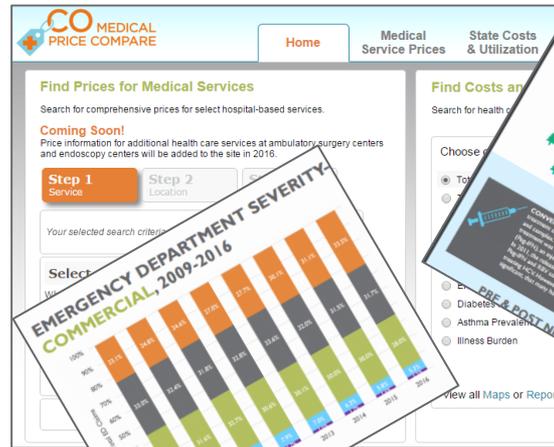


CO APCD Data Availability



Public Data

- Interactive Website (comedprice.org)
- Spot Analysis/Data Bytes



Outmigration Analysis by Provider and Service Category

Filters: Line of Business (All), Service Year (All), County Name (Clear Creek), 5-digit Zip Code (All), Service Category (All), Sort By? (Claim Count)

List of Providers - Click on a provider to show Service Category detail

Provider	Claim Count	% of Total Claims	Total Amount Paid	Total Plan Paid	Total Member Liability	Avg Travel Distance (miles)
Hospital 1379	2,848		\$1,232,215	\$1,122,081	\$110,134	25
Hospital 2582	1,886		\$497,532	\$443,341	\$54,192	29
Outpatient 5322	1,479		\$144,148	\$144,148	\$0	88
Hospital 1463	974		\$299,271	\$292,262	\$7,009	43
Hospital 2585	971		\$484,285	\$441,785	\$42,501	35
Hospital 2147	828		\$242,822	\$55,000	\$4,177	22
Hospital 8816	818		\$27,882	\$27,081	\$2,111	44
6141	656		\$3,453	\$3,453	\$0	0
Hospital 7769	608		\$207,310	\$175,544	\$31,766	26
Hospital 2577	483		\$199,542	\$181,923	\$17,620	40
Outpatient 8887	349		\$67,584	\$67,584	\$0	33
Hospital 5424	342		\$68,609	\$59,388	\$9,221	37
Hospital 6394	267		\$85,939	\$79,985	\$5,954	36
Hospital 8222	230		\$83,803	\$76,862	\$6,941	35
1244	224		\$73,232	\$57,123	\$16,109	28
Hospital 1492	187		\$67,856	\$56,194	\$11,662	60

Non-Public Data

- Standard Reports
- Custom Reports
- Data Sets

Public Website: Helping Consumers Shop for Care



Search Criteria

Knee Joint Replacement; Denver (80246)

Search Again

Little to No Variation in Quality

Knee Joint Replacement

Note that Saint Joseph Hospital and Good Samaritan prices include Kaiser insurance. Prices for other providers include insurance. Prices for Kaiser insurance are lower in part due to a high percentage of Kaiser payments. Additional bills for the provider and other services are included. To view non-Kaiser prices...

\$12k Difference in Price

Search Results

Display Facilities within 10 miles

Hospital Quality

Patient Perspective

Show 10 entries

Type	Provider	Distance	Estimated Price
Facility	Rose Medical Center	2 mi.	\$30,097
Facility	Porter Adventist Hospital	3 mi.	\$34,793
Facility	Exempla Saint Joseph Hospital	3 mi.	\$21,203
Facility	Presbyterian/St. Luke's Medical Center	3 mi.	**
Facility	Swedish Medical Center	4 mi.	\$26,713

\$12k Difference in Price



Next Website Update – Patient Cost, Quality



My Selections

Change

- Service: **Knee Arthroscopy**
- Location: **Within 10 miles of 80129**
- Health Insurance: **Aetna**
- Copay: **\$50** Coinsurance: **20%** Deductible: **\$500**



CENTER FOR IMPROVING
VALUE IN HEALTH CARE

Facility Name	Distance	Price		Quality	
		Total Price (median plan/ patient paid <u>amt</u>)	My Price (after copay/ deductible)	Patient Experience	Potentially Avoidable Complications
Littleton Adventist	1.5 m	\$15,000	\$500	Better ▲	Average ●
<u>SkyRidge</u> Medical Center	2.5 m	\$17,000	\$600	Average ●	Below Average ▲
SCL South Campus	2.8 m	\$22,000	\$1500	Worse ▼	Above Average ▼
Aberdeen Ambulatory Surgery Center	10 m	\$11,000	\$500	Average ●	Average ●

DEMO DATA ONLY



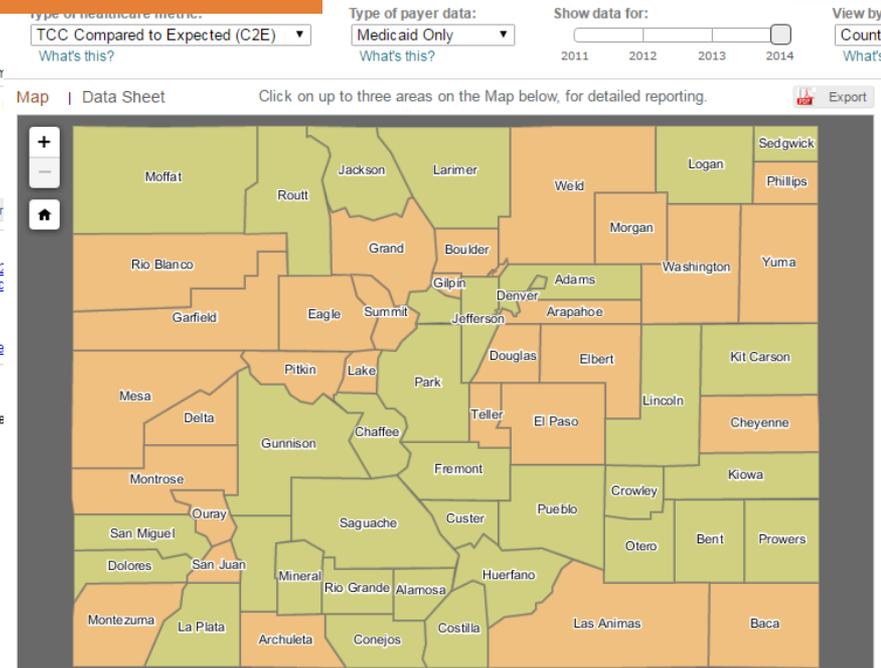
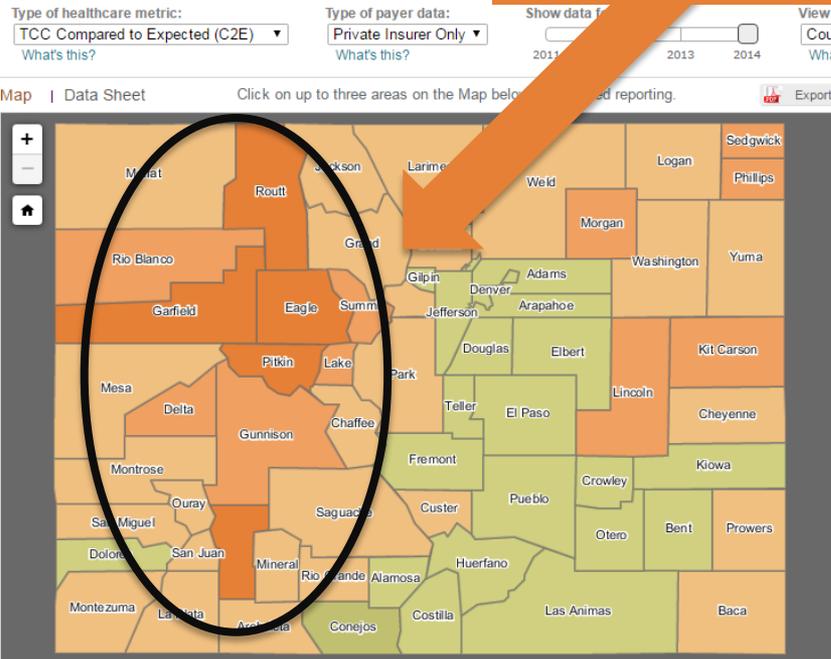
Public Website: Identifying Variation in Total Cost of Care



Costs for people to receive care on the Western Slope are 50+% higher than expected for commercially insured

Commercial

Medicaid



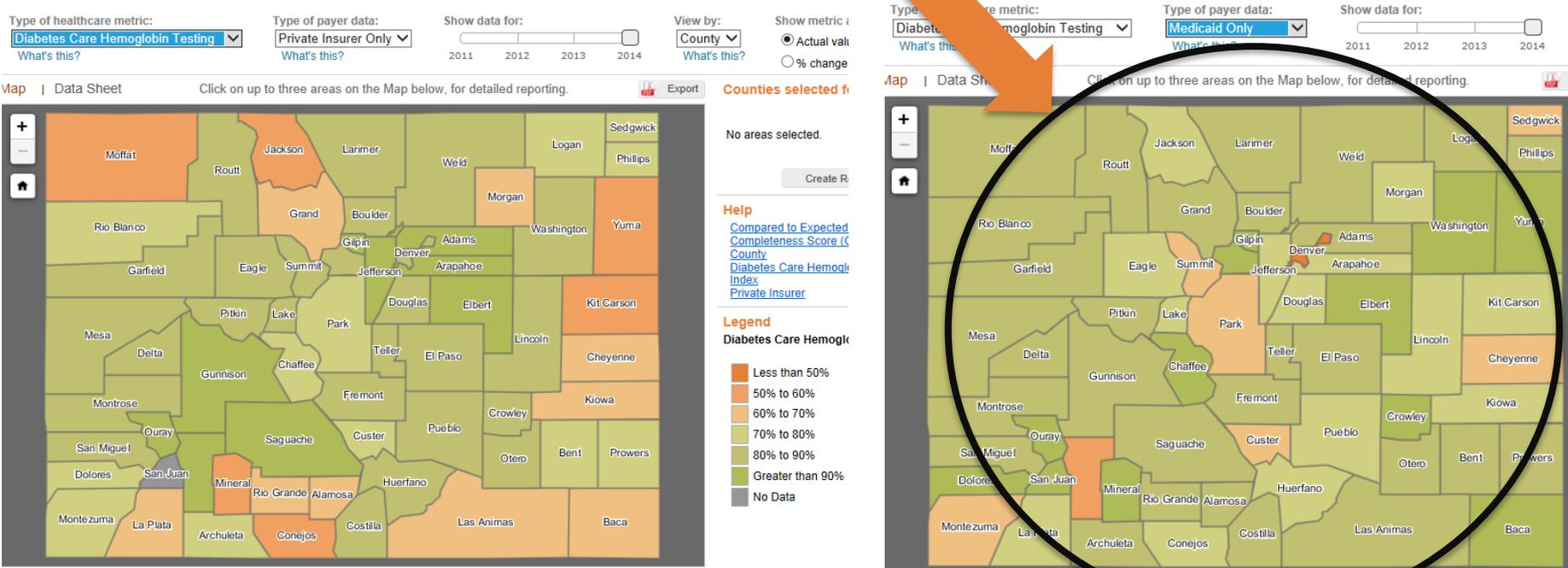
Public Website: Variation in Treatment for Diabetes



In most counties, a higher % of Medicaid members receive appropriate Hemoglobin testing for Diabetes than commercially insured

Commercial

Medicaid



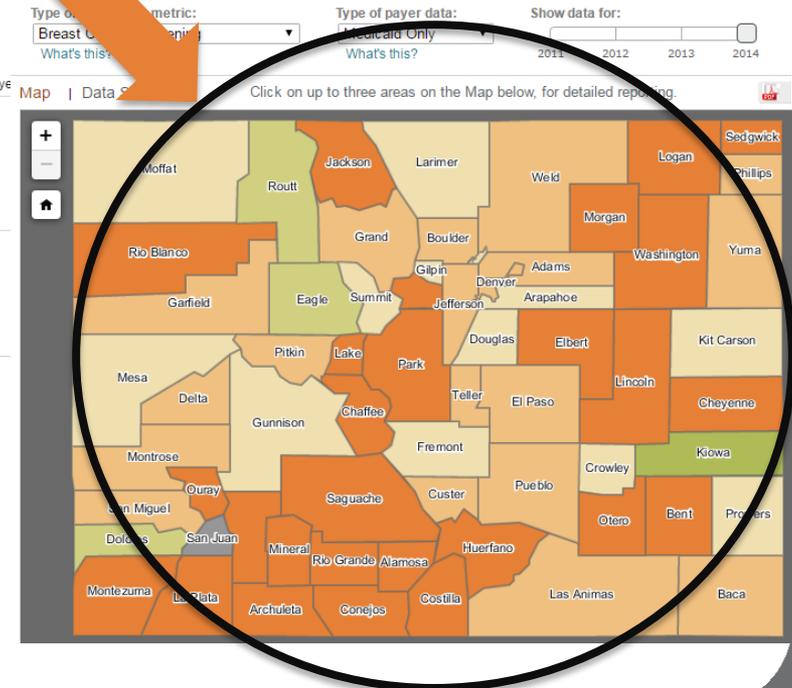
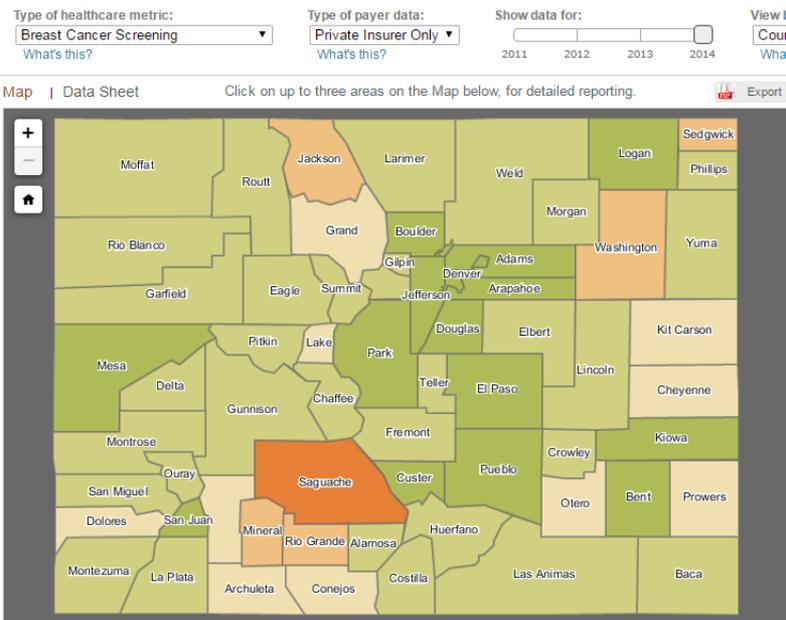
Public Website: Variation in Breast Cancer Screening Rates



In many rural counties, less than 40% of women with Medicaid receive appropriate breast cancer screenings

Commercial

Medicaid



Next Website Updates: Planned Public Health Data



Topic	Timing	Phase I Fall 2017	Phase II - Winter 2017/Spring 2018
	Payers/ Years/ Demographics	2012-2015 trend data for Medicare FFS, Medicaid, Commercial payers; county level, HSR; urban vs. rural breakouts; demographic breakouts (M/F, age)	TBD
Chronic Conditions	Measures	Breast Cancer	Generalized Anxiety Disorder
		Colorectal Cancer	Teen Pregnancy Rates
		Cervical Cancer	Asthma hospitalizations
		Lung Cancer	
		Asthma	
		COPD	
		Diabetes Type 2 (with/without complications)	
		Hypertension (with/without complications)	
Quality/Prevention	Preventive Measures	Breast Cancer Screening	Children Developmental Screening
		Cervical Cancer Screening	Depression screening
		Colorectal Cancer Screening	Maternal depression screening
	Appropriate-treatment measures	Asthma Appropriate Treatment	Diabetes Care Eye Exam
		Diabetes Care Hemoglobin Testing	Ischemic Vascular Disease Lipid Panel
		Hospital 30-Day Readmissions	
	Patient safety Measures		C-section rates
			Imaging for low back pain
	Access Measures		Child and Adolescent access to primary care
			Adult access to preventive/ambulatory care

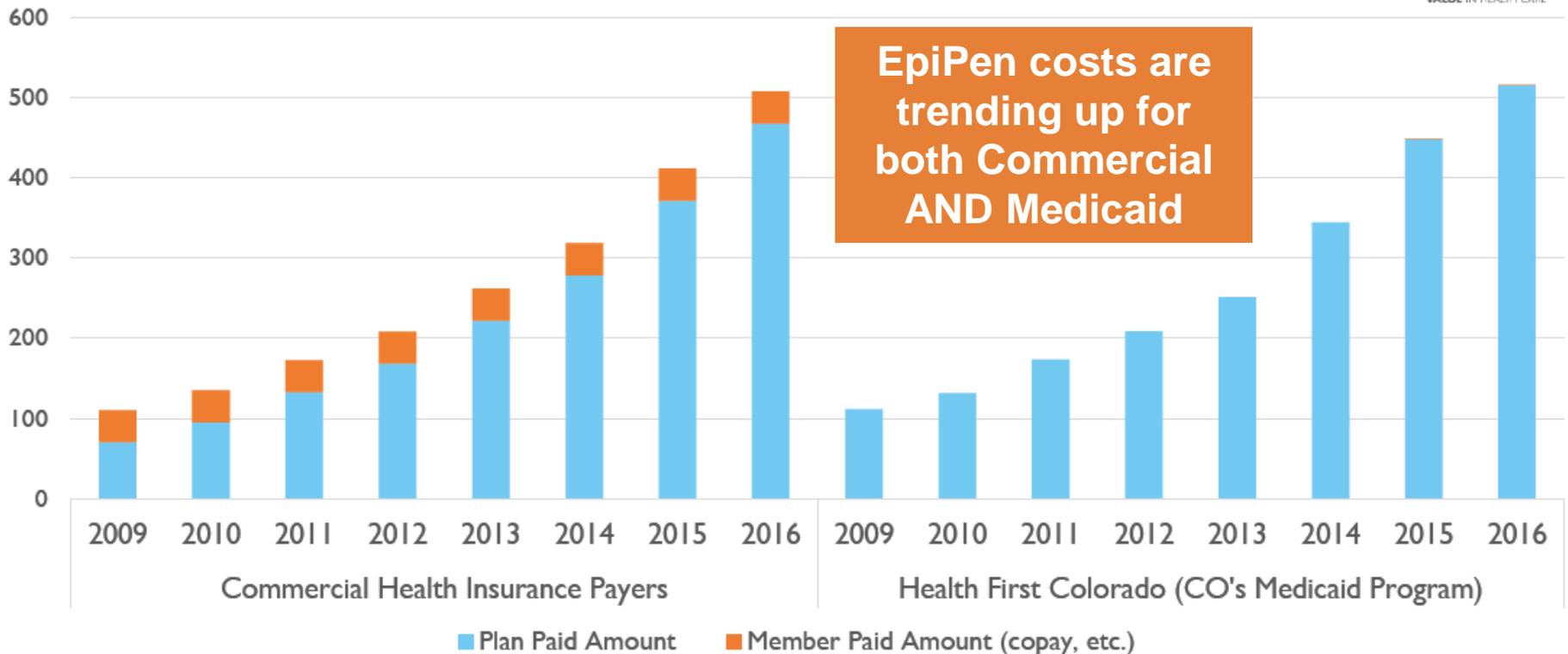


Data Bytes: EpiPen Drug Cost Trends



EpiPen Prescription Cost Trends

(Median Paid Amounts, Colorado All Payer Claims Database)



Median paid amounts based on CIVHC analysis of claims data in the Colorado All Payer Claims Database using EpiPen NDC 49502-500-02 (2-pack).



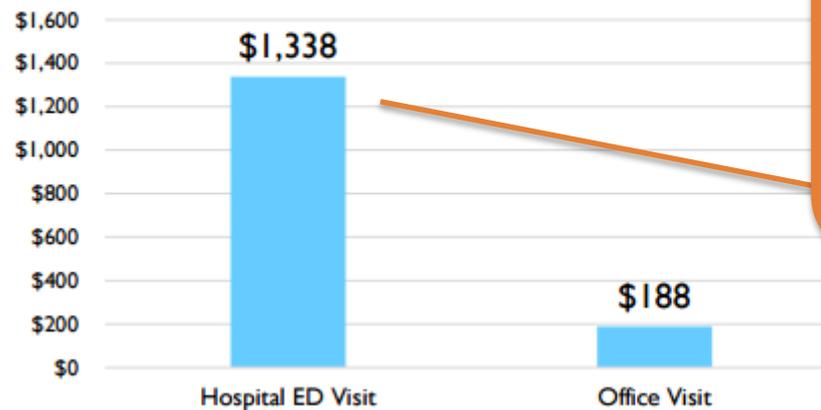
Spot Analysis: Non-Emergent ED Usage

Top 10 Reasons (not ordered by frequency) Colorado Patients Seek Immediate Care Across Settings (2014, Commercial Payers, CO APCD)

Setting	1	2	3	4	5	6	7	8	9	10
URGENT CARE	COMMON COLD	URINARY TRACT INFECTION	OPEN WOUND ON FINGER(S)	SORE THROAT	BRONCHITIS	EAR INFECTION, OTHER	COUGH	STREP THROAT	SINUS INFECTION	PAIN IN LIMB
FREE STANDING ED	COMMON COLD	URINARY TRACT INFECTION	OPEN WOUND ON FINGER(S)	SORE THROAT	BRONCHITIS	EAR INFECTION	SPRAIN/ STRAIN OF ANKLE	FEVER	UNSPECIFIED VIRAL INFECTION	ABDOMINAL PAIN
HOSPITAL-BASED ED	COMMON COLD	URINARY TRACT INFECTION	OPEN WOUND ON FINGER(S)	SUDDEN LOSS OF CONSCIOUSNESS	HEAD INJURY	HEADACHE	CHEST PAIN, OTHER	CHEST PAIN	ABDOMINAL PAIN, OTHER	ABDOMINAL PAIN

\$800 Million in annual potential savings if people more appropriately used EDs

Figure I. Average Cost for Hospital vs. Outpatient Visit for Similar Conditions



7/10 Free-Standing ED & 3/10 ED visits aren't emergencies, and they cost \$1000+ extra

Supporting the CO State Innovation Model: Physician Group Quality Measures



Hypertension

Percentage of Adults with High Blood Pressure Who Filled a 90-day Medication Prescription in 2015

SIM Practices	46.8%
Statewide	37.4%

Diabetes

Adults with Diabetes, Aged 18-75, Who Received Glycohemoglobin Testing in 2015

SIM Practices	72.3%
Statewide	67.8%

Breast Cancer

Percentage of Women Aged 50 to 75 Years Receiving Screening Mammogram During the Period, 2014-2015

SIM Practices	59.0%
Statewide	59.4%

Asthma

Use of Appropriate Asthma Medications (One or More Prescription Medications Filled)

	All Ages	5-11 years	12-18 years	19-50 years	51-64 years
SIM Practices	44.2%	49.6%	41.6%	41.5%	43.1%
Statewide	44.8%	48.3%	42.6%	42.4%	45.6%

Ways Communities are Using Custom CO APCD

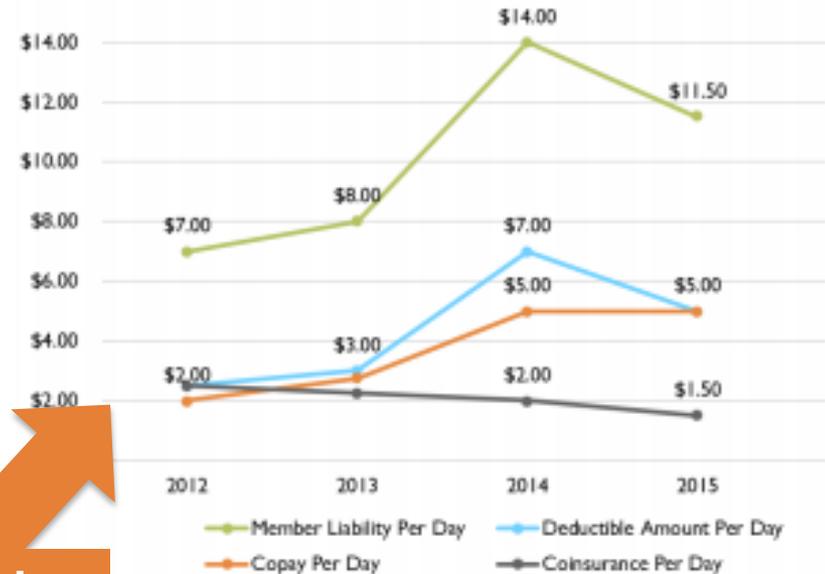


Non-Profit Change Agent CHRONIC CARE COLLABORATIVE COLORADO

Member Liability Total Spend



Member Liability Trends



Patient portion for this chronic condition medication has increased significantly over time which could negatively impact access and usage and outcomes



Public Health Agencies Using Custom Data

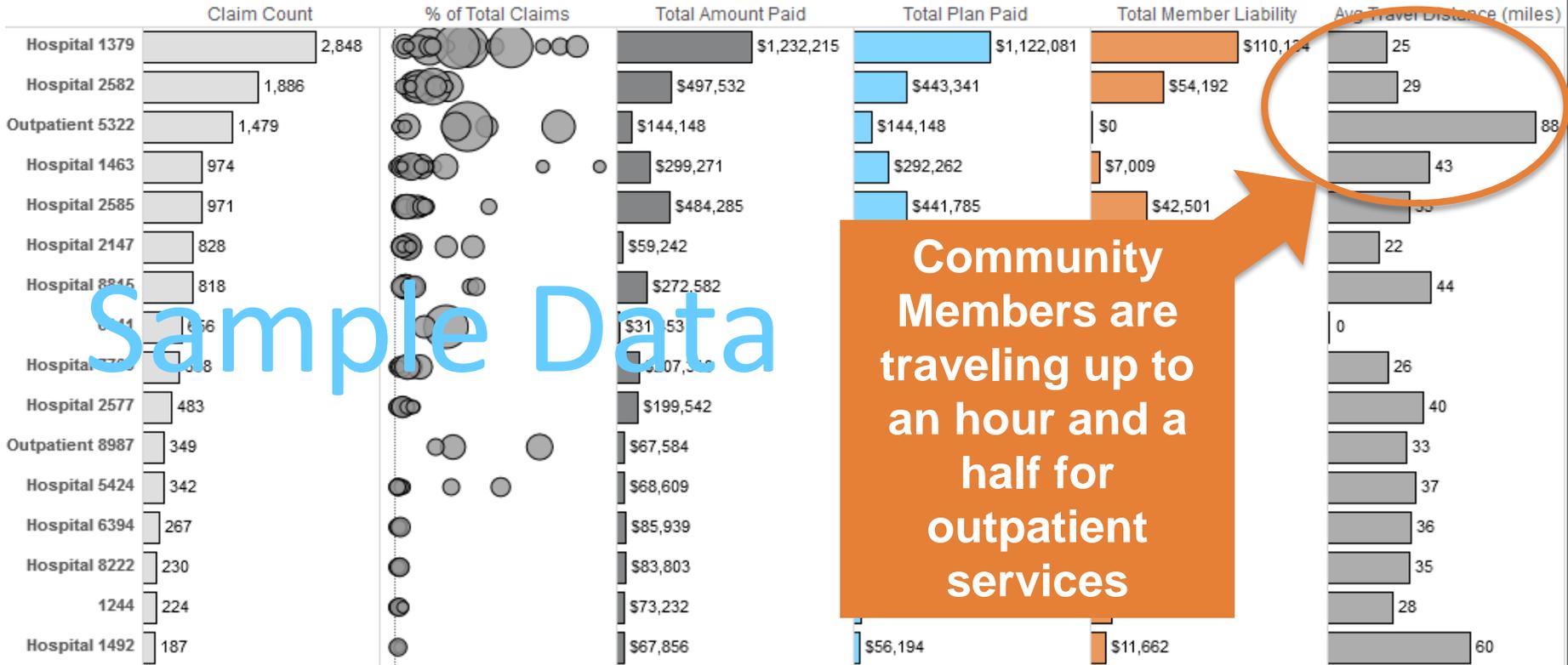


Outmigration Analysis by Provider and Service Category

Filters

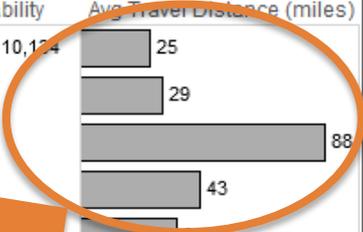
Line of Business: (All) Service Year: (All) County Name: Clear Creek 5-digit Zip Code: (All) Service Category: (All) Sort By?: Claim Count

List of Providers - *Click on a provider to show Service Category detail*



Sample Data

Community Members are traveling up to an hour and a half for outpatient services



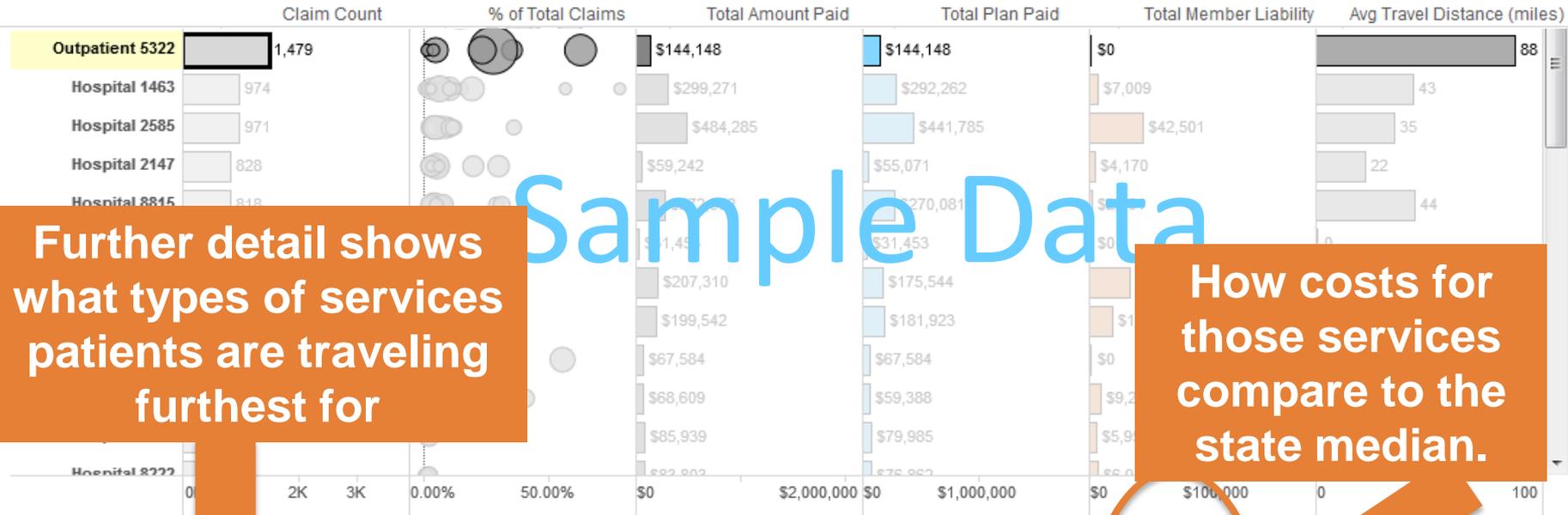
Outmigration Analysis by Provider and Service Category

Filters

Line of Business: (All) | Service Year: (All) | County Name: Clear Creek | 5-digit Zip Code: (All) | Service Category: (All)

Sort By? Claim Count

List of Providers - *Click on a provider to show Service Category detail*

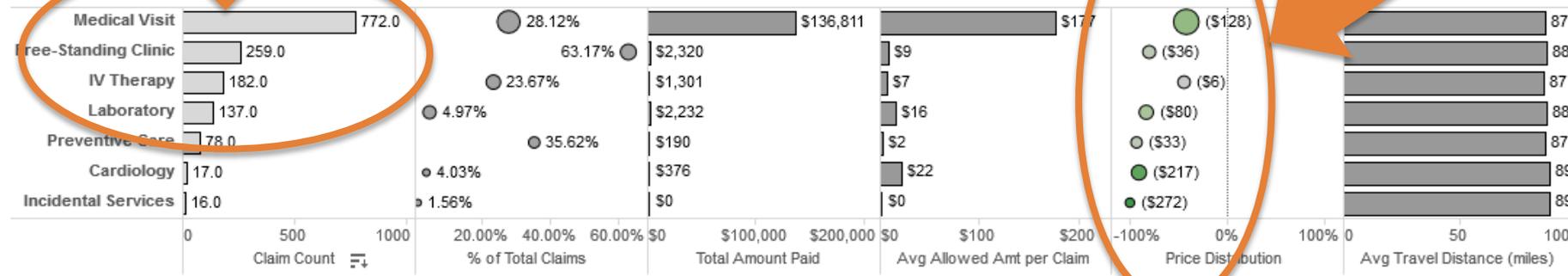


Further detail shows what types of services patients are traveling furthest for

How costs for those services compare to the state median.

Sample Data

Service Category Details for Outpatient 5322



Scholarship Funding

- \$500,000 in total funds available annually
- Non-profits/Researchers w less than \$5M in annual revenue, and state agencies

Scholarship Recipients for 2016*

University of Colorado
Department of Health Care Policy and Financing
Colorado Department of Public Health and the Environment
Colorado Commission for Affordable Health Care
Children's Hospital
Northwest Colorado Community Health Partnership
Colorado Office of Behavioral Health

Pueblo Triple Aim
Aurora Research Institute
Coalition for Sepsis Survival
Project Angel Heart
Senator Kefalas
Liver Health Connection
Mesa County

*22 total data requestors received scholarship funding in 2016. Some entities received multiple awards.



Contact Information

- Cari Frank, MBA, Director of Communications & Marketing
cfrank@civhc.org

Stay Connected!

- Join our email list (from the www.comedprice.org or www.civhc.org home page)
- Follow CIVHC on social media:
 -  @CIVHC_News
 -  Facebook.com/CIVHC
 -  LinkedIn ([linkedin.com/company/2096991](https://www.linkedin.com/company/2096991))