Health Information Systems

All Payer Claims Databases

Overview and Example from the State of Colorado

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Scott McCullough, Sr Director 3M
October 14th, 2014

A Resource For All Coloradans

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Agenda

- Overview of APCD/Transparency Goals
- Review of APCD / Transparency Status in US
- CO APCD Overview
- Challenges/Lessons Learned
- Demo of Colorado's APCD

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What is Transparency

- Sharing *appropriate* data with the *appropriate* individuals.
- Transparency must balance sharing with privacy and security
- Intent is to put meaningful actionable data in the hands of stakeholders to achieve program objectives
- Defined Use Case/s Critical to Mission.

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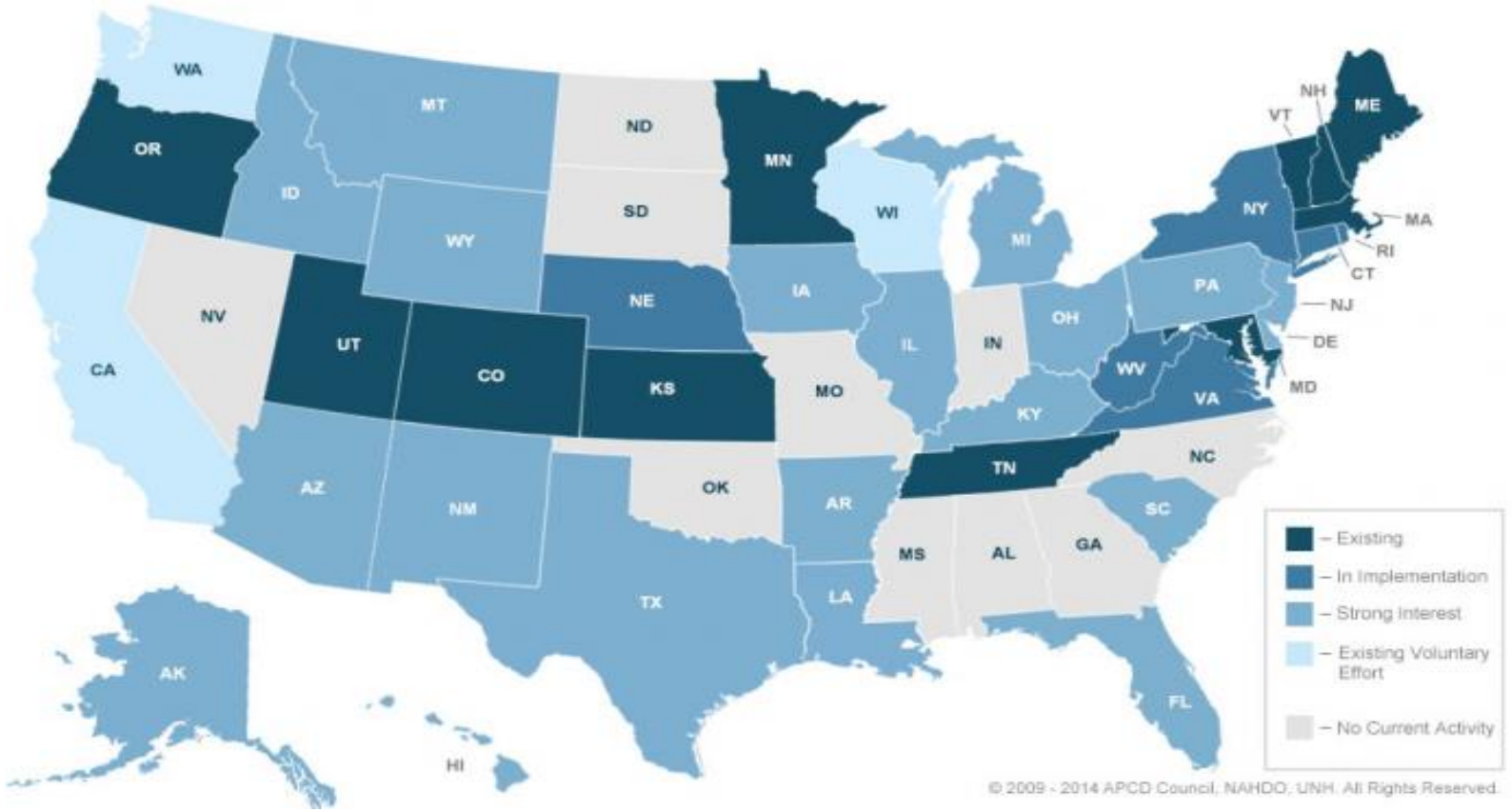
APCD Council – State Overview



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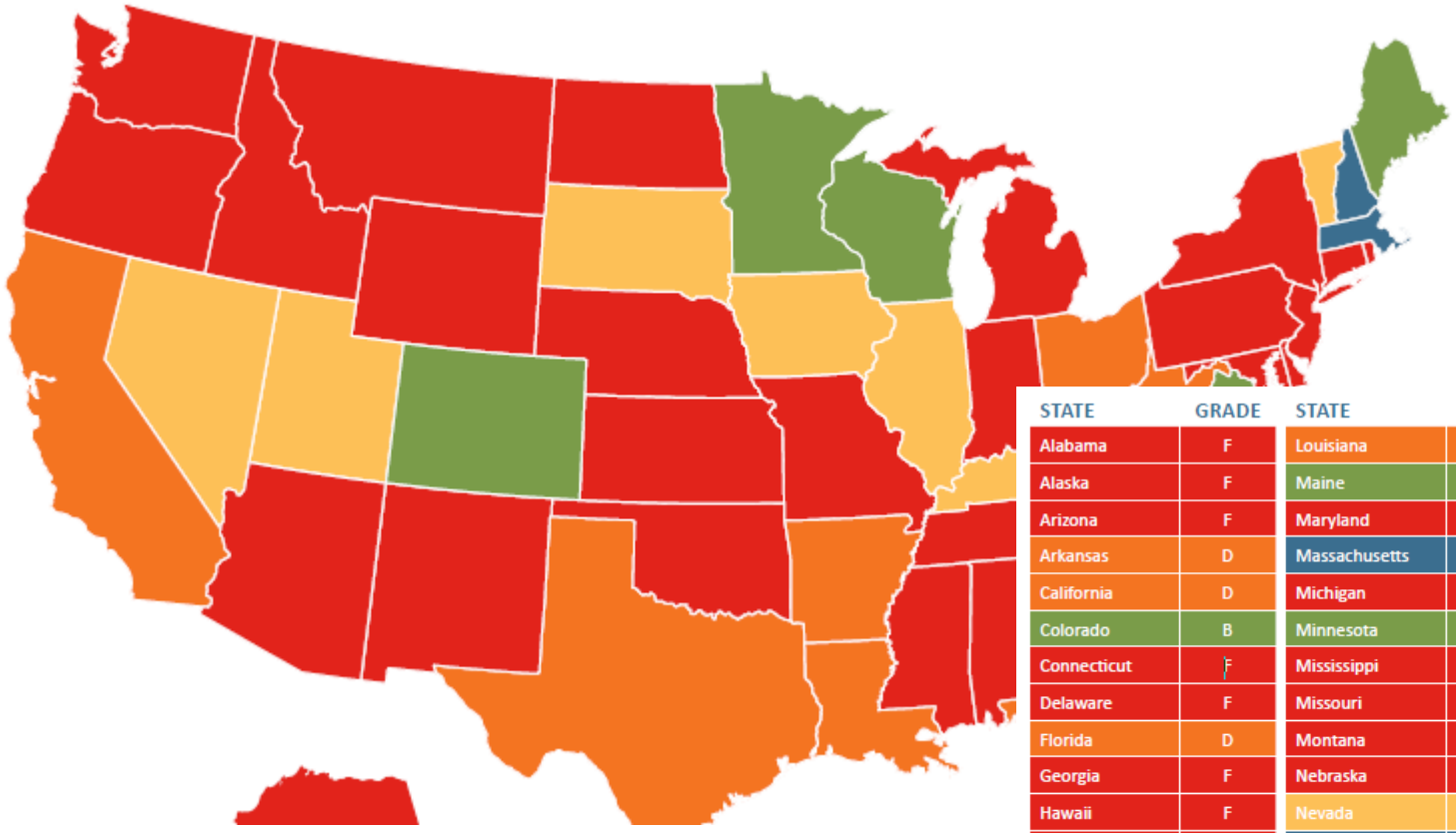
Current View – State Transparency Laws



STATE	GRADE	STATE	GRADE	STATE	GRADE
Alabama	F	Louisiana	D	Ohio	D
Alaska	F	Maine	B	Oklahoma	F
Arizona	F	Maryland	F	Oregon	F
Arkansas	D	Massachusetts	A	Pennsylvania	F
California	D	Michigan	F	Rhode Island	F
Colorado	B	Minnesota	B	South Carolina	F
Connecticut	F	Mississippi	F	South Dakota	C
Delaware	F	Missouri	F	Tennessee	F
Florida	D	Montana	F	Texas	D
Georgia	F	Nebraska	F	Utah	C
Hawaii	F	Nevada	C	Vermont	C
Idaho	F	New Hampshire	A	Virginia	B
Illinois	C	New Jersey	F	Washington	F
Indiana	F	New Mexico	F	West Virginia	D
Iowa	C	New York	F	Wisconsin	B
Kansas	F	North Carolina	F	Wyoming	F
Kentucky	C	North Dakota	F		

Catalyst For Payment Reform Report, March, 2013

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CIVHC: Catalyst for Transformation

- Colorado non-profit corporation and 501c3 organization effective June, 2010
- Backbone Organization for aligning statewide common agenda to drive Triple Aim goals
- Objective, consultative organization that leverages data and metrics to measure progress on agenda
- Non-Partisan connector, convener and communicator
- Help Coloradans drive, deliver, and buy value in health care through actionable change in health care delivery and payment reform

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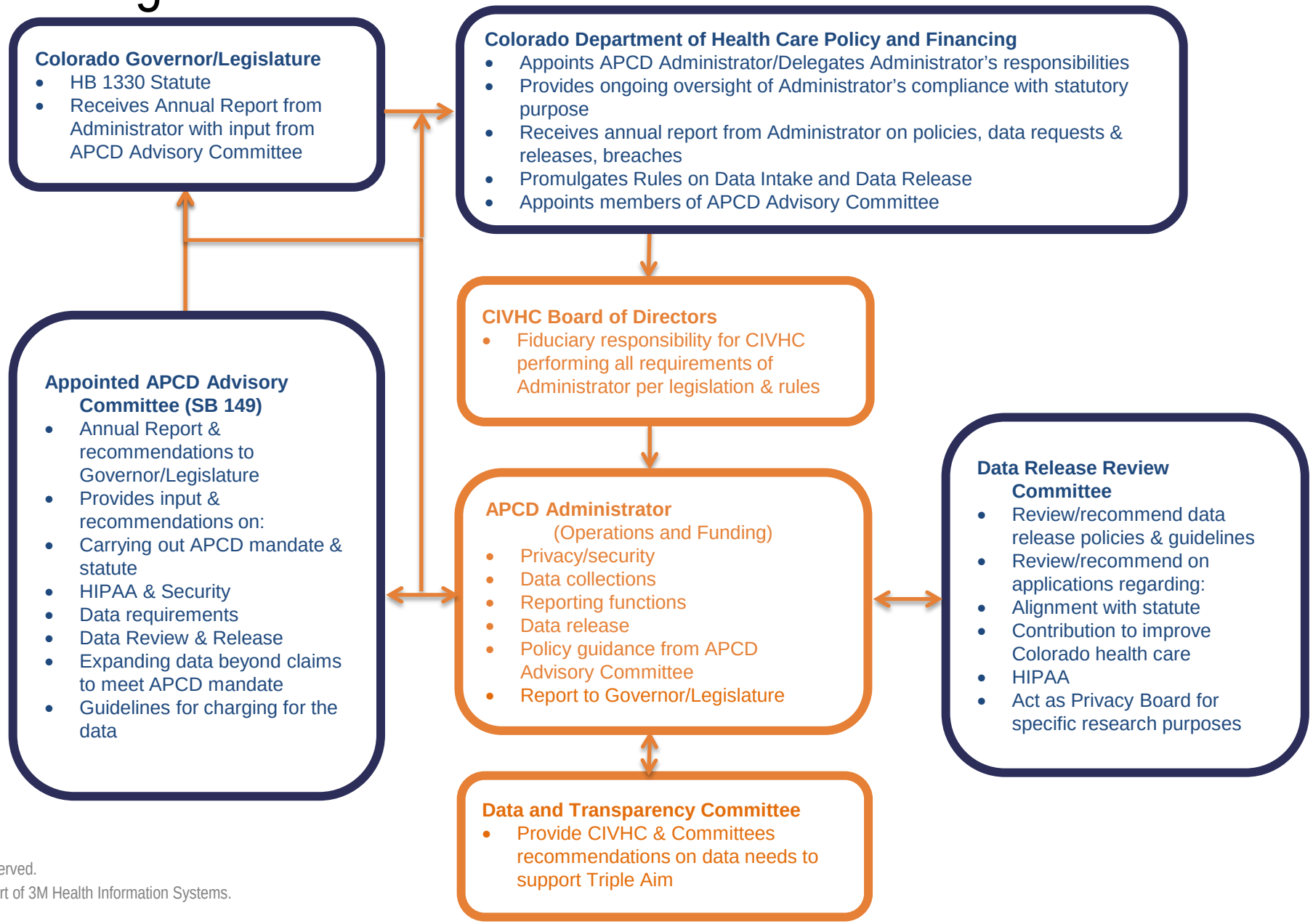
APCD Oversight and Governance



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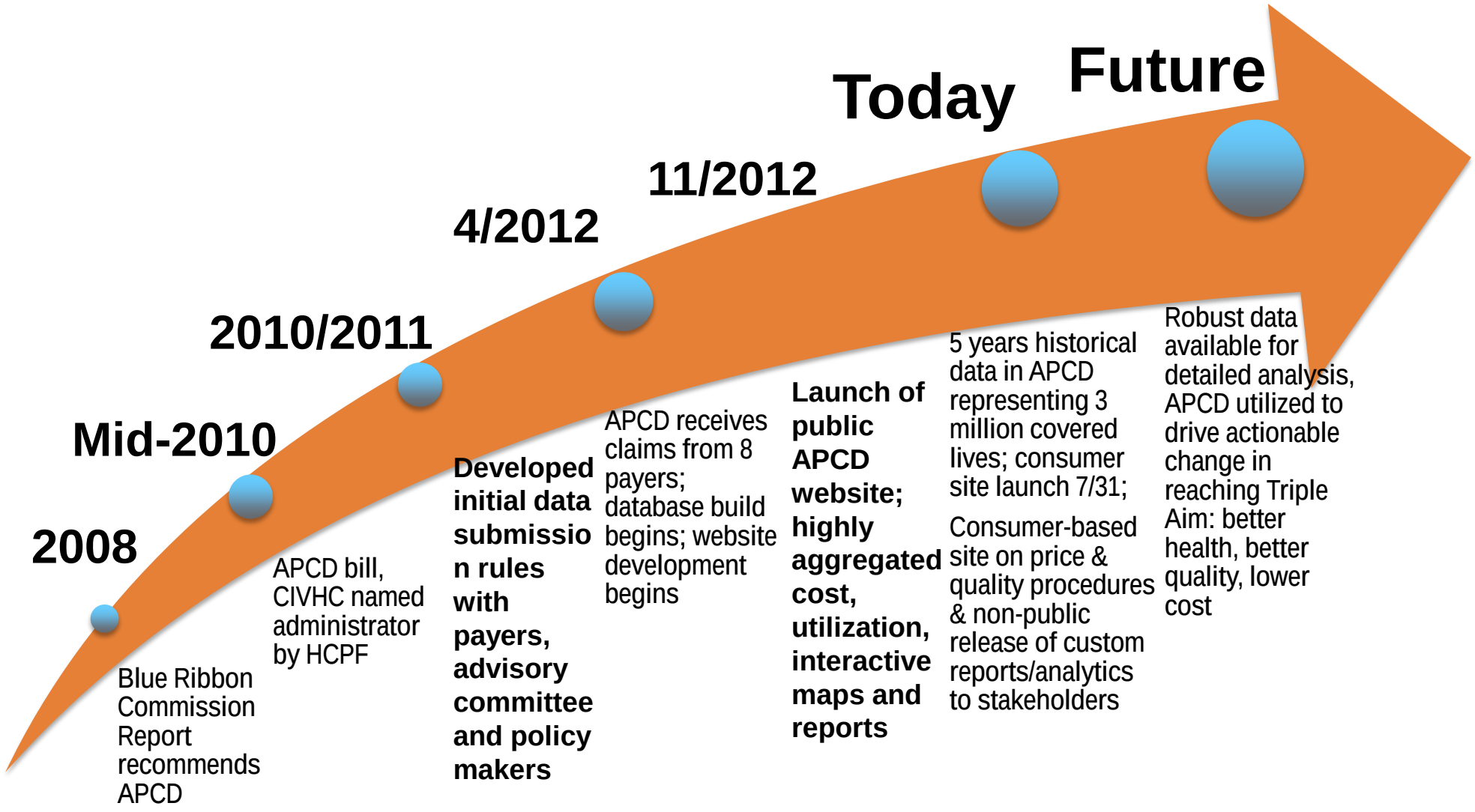
The CO APCD Journey…



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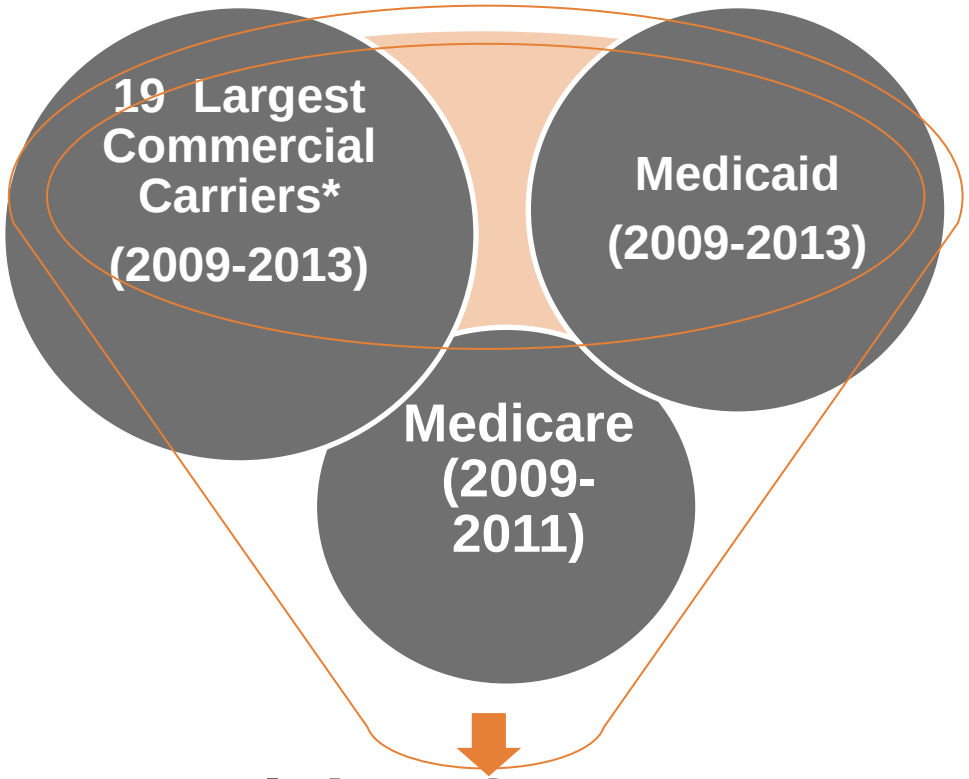
APCD Database as of Today



Claims for over
3.5 million unique individuals representing over 40% of insured Coloradans

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Accessing APCD Data

- Public Website (comedprice.org & cohealthdata.org)
  - High-level views of variation based on aggregated data
  - More detailed subscription-based access coming in 2013
- Specialized Reports and De-Identified Data
  - Focused on specific medical procedures, conditions or sub-populations of particular interest to various stakeholders
- Limited Data Set (e.g., risk adjusted data, claims line or member level detail)
  - May include 5-digit zip code or dates of birth/service detail
  - Facilitate detailed analysis by geography or based on date information (e.g., Length of Stay, Intensity of Resource Use)
- Fully Identifiable Data Set
  - APCD claims information linked at the patient-level with clinical outcomes data from EHR/HIE
  - Facilitate detailed cost, quality, outcomes and value research

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Challenges/Lessons Learned with APCD's

- Data Submission Guide – Changes going forward
- Data Acquisition Restrictions/Limitations
  - Waivers
  - Self Funded, Medicare
- Data Aggregation
  - Master Provider Index
  - Master Patient Index
- Completeness Scores
- Education
  - Public
  - Private
  - Legislative

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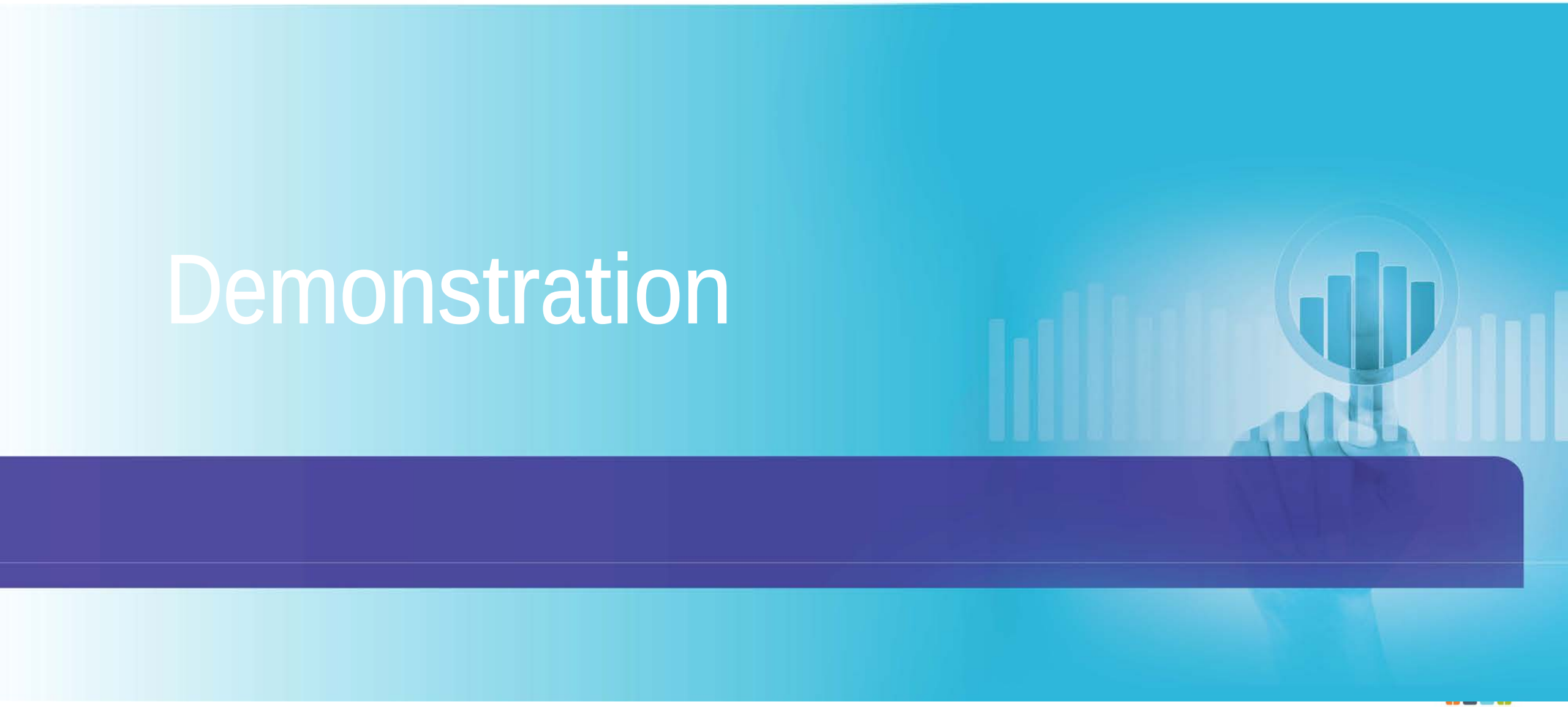
Demonstration



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Support Slides

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Demonstration
comedprice.org

Resource Sites:

- www.civhc.org – The 501c3 that runs the COAPCD
- www.cohealthdata.org – The COAPCD
- www.comedprice.org – The CO Consumer Site for the APCD.
- www.nahdo.org – Annual Conf Oct 8-9 in San Diego. Can get furthe info on their site.
- www.apcdcouncil.org – Council that provides good info such as US map that show APCD progress in each state.
- “Realizing the Potential of All-Payer Claims Databases.” Robert Wood Johnson F.

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Colorado's All Payer Claims Database (APCD)

- Colorado's APCD was established through legislation in 2010
- CIVHC named administrator by State Agency: Health Care Policy & Financing
- Collect claims data from all public/private payers
- First aggregated public reports published in Q4 2012 (www.cohealthdata.org)
- Build steadily towards greater data transparency
- No general state funds, currently grant funded with goal towards full sustainability by 2016

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Files submitted to the APCD

- Medical Claims:
  - Payer info
  - Insurance type
  - Patient info/demographics
  - Admission type
  - Discharge status
  - Service provider info
  - Type of bill and facility
  - Diagnosis codes
  - Payment amounts
- Pharmacy Claims:
  - Payer/Plan info
  - Patient info/demographics
  - Pharmacy info
  - Prescriptions details
  - Payment details
  - Physician info
- Medical Eligibility File:
  - Patient info/demographics
  - Coverage type/category
  - Subscriber info
  - Payer
  - Insurance type
- Provider File:

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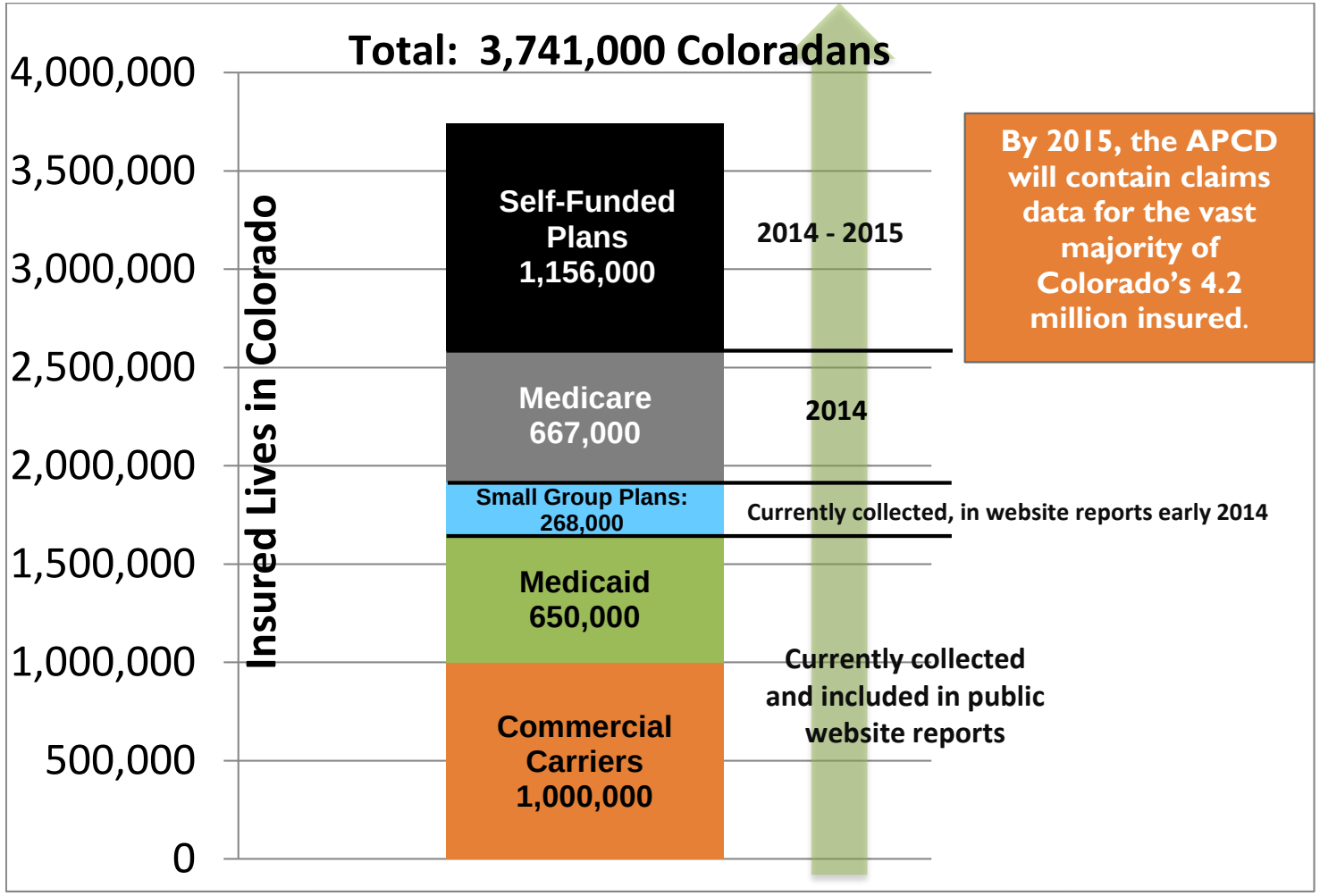
Timeline for Adding Payer Claims to Colorado's APCD



Note: Number of covered lives for each payer is approximate based on publicly available payer data. Timeframe from initial claims data intake to inclusion in data on the CO APCD public website, www.cohealthdata.org, is approximately six months.

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Potential uses for stakeholders participating in the Health Care Delivery System

Consumers – What is best value (quality/price) for knee replacement?

Policy makers - Where are there workforce shortages? How do shortages impact quality and efficiency of care?

Researchers - How does access to care impact population health and overall total cost of care?

Health plans - What is efficiency of my provider network (quality/price) compared to the state overall?

Employers - What is distribution of chronic illnesses in the overall population? In my geography? Is my employee population an outlier?

State Medicaid – How do care patterns for Medicaid population compare to other payers? How does enrollee access to providers compare to other payers?

Hospitals - How does my cost compare to the average? How do rates of readmissions compare to the average? What is the total cost of care for the population in my service area?

Providers - What are the care patterns for my patients? What is total cost and quality of care for my patients? How does that compare to other similar providers?

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Non-Public APCD Data Release

- Custom reports and datasets to stakeholders:
  - Market share benchmarking
  - Price/quality variation
  - Limited datasets
  - Fully Identifiable datasets
- Researchers
- Associations focused on healthcare
- Non-profits
- State agencies
- Providers
- Health Plans

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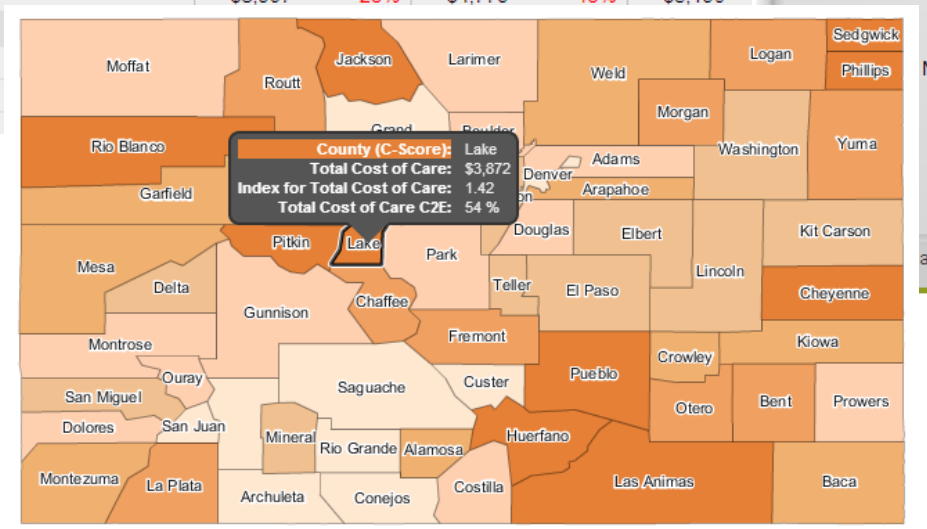
Example of COAPCD Public Portal

Total Cost of Care

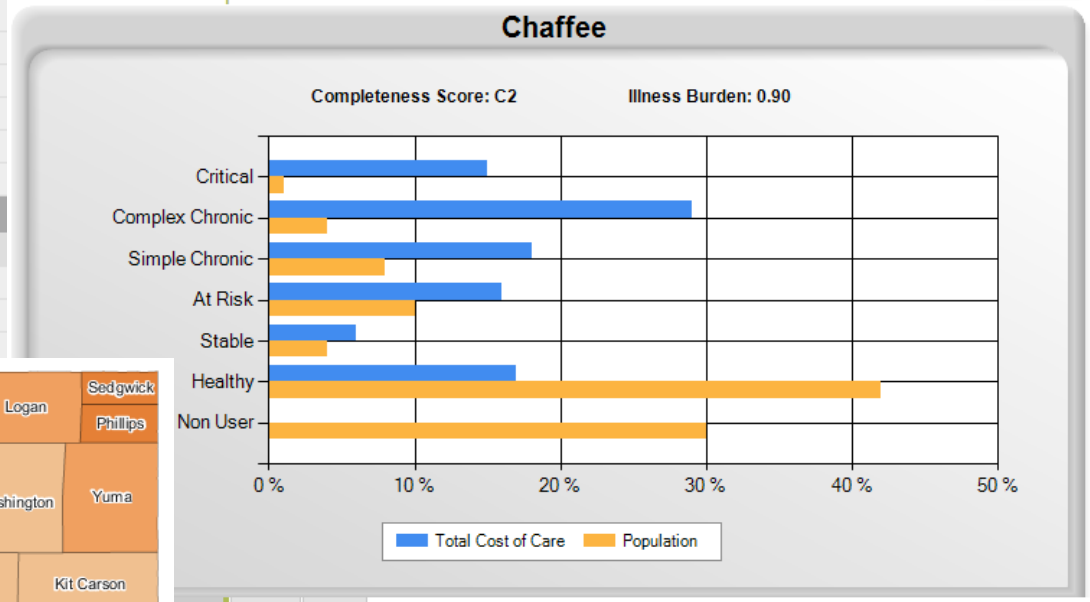
Export

	Archuleta		Chaffee		Eagle		State
Completeness Score	C2		C2		C2		C2
Illness Burden Score	0.85		0.90		0.87		1.00
	Actual	C2E Dollars	Actual	C2E Dollars	Actual	C2E Dollars	Actual
▼Dollars Paid Per Person Per Year							
Total Cost of Care	$2,239	6%	$3,219	35%	$3,036		
Inpatient Facility Cost	$564	74%	$649	53%	$621		
Outpatient Facility Cost	$627	6%	$1,142	90%	$1,036		
ER Facility Cost (subset of Outpatient Cost)	$118	-1%	$98	-18%	$99		
Professional Cost	$660	-12%	$847	9%	$944		
Ancillary Cost	$117	22%	$85	-6%	$125		
Rx Cost	$270	-26%	$496	2%	$311		
▼Dollars Paid Per Person Per Year by Gender/Age							
Female	$2,572	11%	$3,268	24%	$3,132		
1 - Child (0-17)	$1,110	-22%	$1,229	-15%	$1,114		
2 - Young adult (18 - 34)	$2,881	10%	$3,319	0%	$3,560		
3 - Mature adult (35 - 64)	$3,907	28%	$4,779	48%	$5,196		
Male							
1 - Child (0-17)							
2 - Young adult (18 - 34)							
3 - Mature adult (35 - 64)							



Illness Burden Graph

Export



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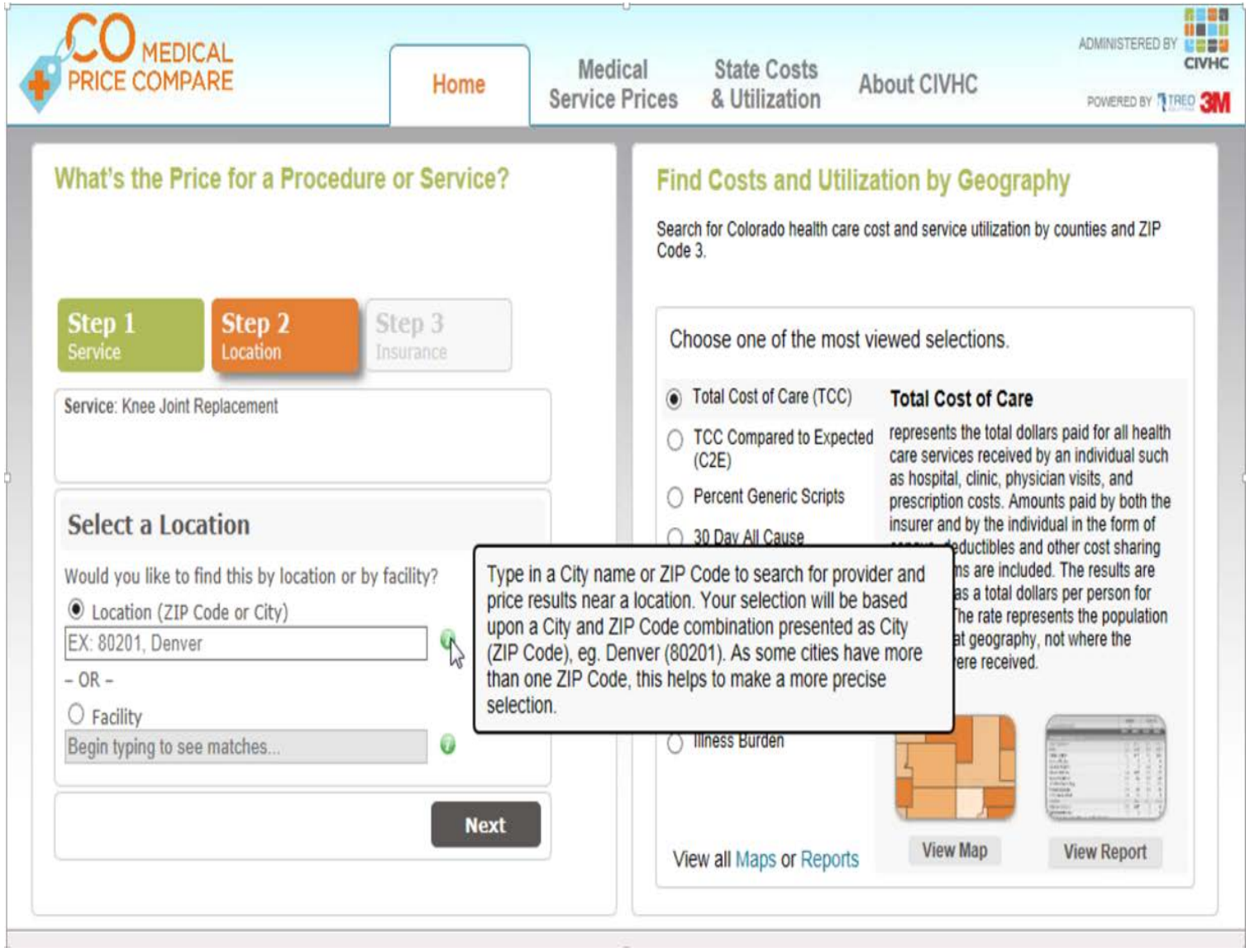
Consumer Engagement



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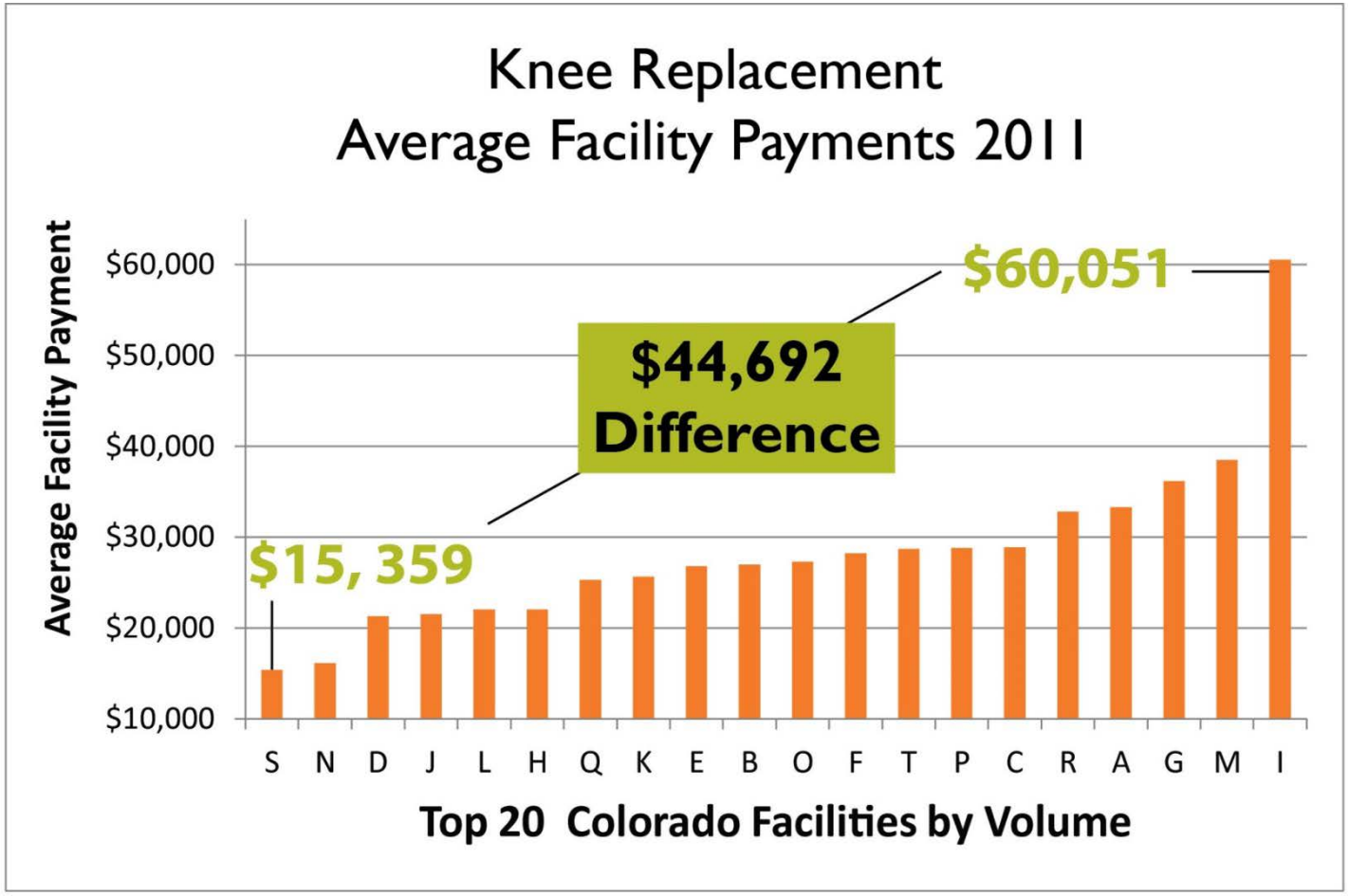
Snapshot Reports Highlighting Variation



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Data retreived from www.cohealthdata.org May 7, 2013, Colorado All Payer Claims Database Knee Replacement static report (http://www.cohealthdata.org/view/reports/StaticReports/APCD_Static_Report_KneeReplacement_MASKED.pdf). Includes claims data from the eight largest commercial payers in Colorado (large-group fully insured and individual lines of business) and Medicaid claims from 2011 and represent the average payments to facilities for knee replacements. Data has not been adjusted for patient severity of illness.

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Questions?

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