All Payer Claims Databases
Overview and Example from the State of Colorado

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A Resource For All Coloradans
Agenda

- Overview of APCD/Transparency Goals
- Review of APCD / Transparency Status in US
- CO APCD Overview
- Challenges/Lessons Learned
- Demo of Colorado’s APCD
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.
Catalyst For Payment Reform Report, March, 2013
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
APCD Oversight and Governance

**Colorado Governor/Legislature**
- HB 1330 Statute
- Receives Annual Report from Administrator with input from APCD Advisory Committee

**Colorado Department of Health Care Policy and Financing**
- Appoints APCD Administrator/Delegates Administrator’s responsibilities
- Provides ongoing oversight of Administrator’s compliance with statutory purpose
- Receives annual report from Administrator on policies, data requests & releases, breaches
- Promulgates Rules on Data Intake and Data Release
- Appoints members of APCD Advisory Committee

**Appointed APCD Advisory Committee (SB 149)**
- Annual Report & recommendations to Governor/Legislature
- Provides input & recommendations on: Carrying out APCD mandate & statute
- HIPAA & Security
- Data requirements
- Data Review & Release
- Expanding data beyond claims to meet APCD mandate
- Guidelines for charging for the data

**CIVHC Board of Directors**
- Fiduciary responsibility for CIVHC performing all requirements of Administrator per legislation & rules

**APCD Administrator** (Operations and Funding)
- Privacy/security
- Data collections
- Reporting functions
- Data release
- Policy guidance from APCD Advisory Committee
- Report to Governor/Legislature

**Data Release Review Committee**
- Review/recommend data release policies & guidelines
- Review/recommend on applications regarding:
  - Alignment with statute
  - Contribution to improve Colorado health care
  - HIPAA
- Act as Privacy Board for specific research purposes

**Data and Transparency Committee**
- Provide CIVHC & Committees recommendations on data needs to support Triple Aim
The CO APCD Journey…

**2008**
- Blue Ribbon Commission Report recommends APCD

**2010/2011**
- APCD bill, CIVHC named administrator by HCPF
- Developed initial data submission rules with payers, advisory committee and policy makers

**Mid-2010**
- APCD receives claims from 8 payers; database build begins; website development begins

**2010**
- APCD receives claims from 8 payers; database build begins; website development begins

**4/2012**
- APCD receives claims from 8 payers; database build begins; website development begins

**11/2012**
- Launch of public APCD website; highly aggregated cost, utilization, interactive maps and reports

**Today**
- 5 years historical data in APCD representing 3 million covered lives; consumer site launch 7/31; Consumer-based site on price & quality procedures & non-public release of custom reports/analytics to stakeholders

**Future**
- Robust data available for detailed analysis, APCD utilized to drive actionable change in reaching Triple Aim: better health, better quality, lower cost
Claims for over 3.5 million unique individuals representing over 40% of insured Coloradans
Accessing APCD Data

- **Public Website** ([comedprice.org & cohealthdata.org](http://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
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
Demonstration
Support Slides
Demonstration comedprice.org

Resource Sites:

- [www.civhc.org](http://www.civhc.org) – The 501c3 that runs the COAPCD
- [www.cohealthdata.org](http://www.cohealthdata.org) – The COAPCD
- [www.comedprice.org](http://www.comedprice.org) – The CO Consumer Site for the APCD.
- [www.apcdcouncil.org](http://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.
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](http://www.cohealthdata.org))
- Build steadily towards greater data transparency
- No general state funds, currently grant funded with goal towards full sustainability by 2016
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:**
Timeline for Adding Payer Claims to Colorado’s APCD

- **Self-Funded Plans**: 1,156,000 (2014 - 2015)
- **Medicare**: 667,000 (2014)
- **Small Group Plans**: 268,000 (Currently collected, in website reports early 2014)
- **Medicaid**: 650,000
- **Commercial Carriers**: 1,000,000

Total: 3,741,000 Coloradans

By 2015, the APCD will contain claims data for the vast majority of Colorado’s 4.2 million insured.

- **Currently collected and included in public website reports**

**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](http://www.cohealthdata.org), is approximately six months.
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?
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
Example of COAPCD Public Portal
Consumer Engagement
Snapshot Reports Highlighting Variation

Knee Replacement
Average Facility Payments 2011

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Top 20 Colorado Facilities by Volume

Data retrieved 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.
Questions?