
Local Lessons from National APCD Efforts

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September 4, 2014**

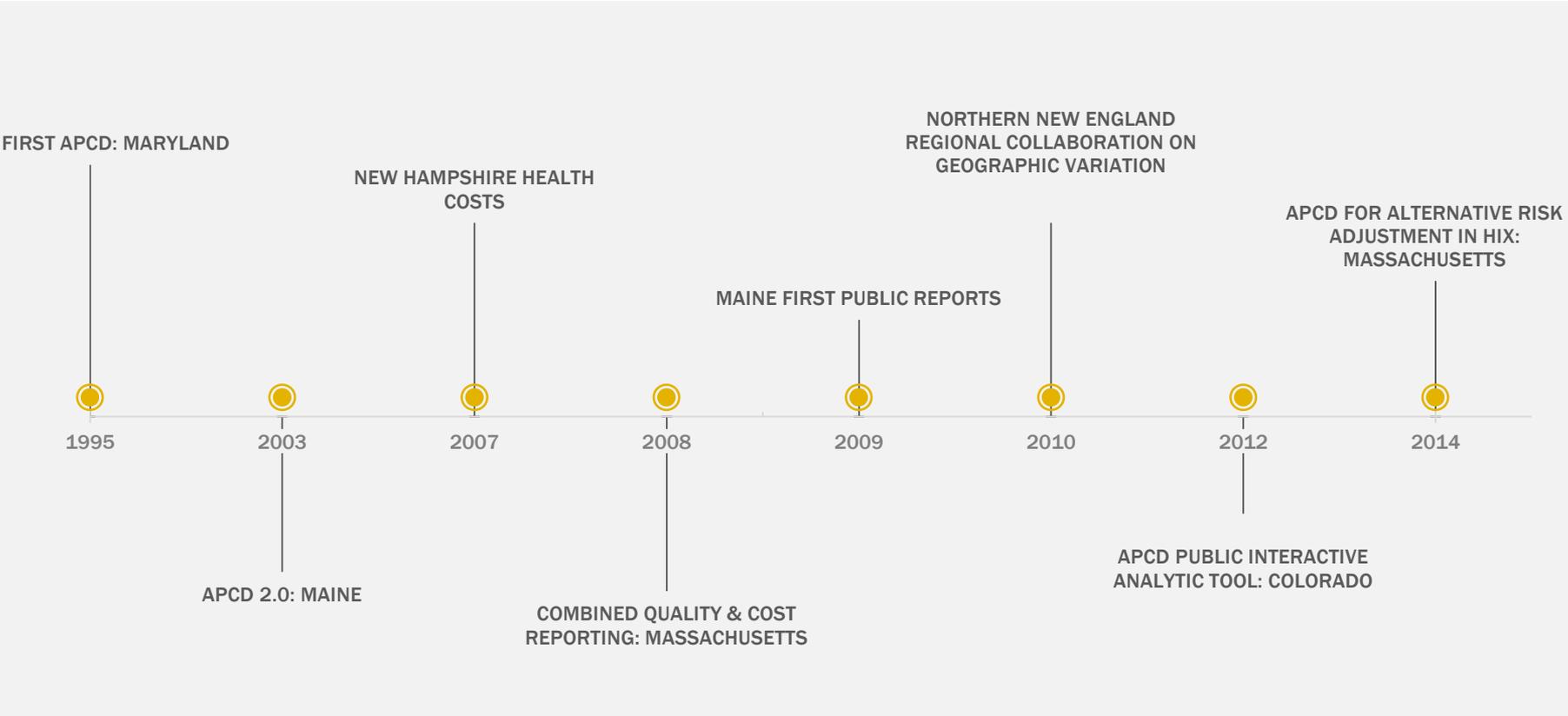
What's in an APCD?

- **Medical insurance claims**
 - Office visits, treatments and tests
 - Hospital, home care and nursing home care
 - Diagnoses, procedures, charges and payments
- **Pharmacy claims**
- **Patient information**
 - Age, gender, location
 - Insurance coverage
- **Provider information**
- **Dental insurance claims**

What's not?

- **The uninsured and private pay services**
- **Patients' progress and most outcomes of care**
- **Claims that may be limited depending upon local restrictions or practices**
 - Behavioral health
 - HIV
 - Small health plans
 - Staff model HMOs
 - ERISA plans
- **Other health information**
 - EHR (HIE) data
 - HIX information
 - Public health data

Some APCD Milestones



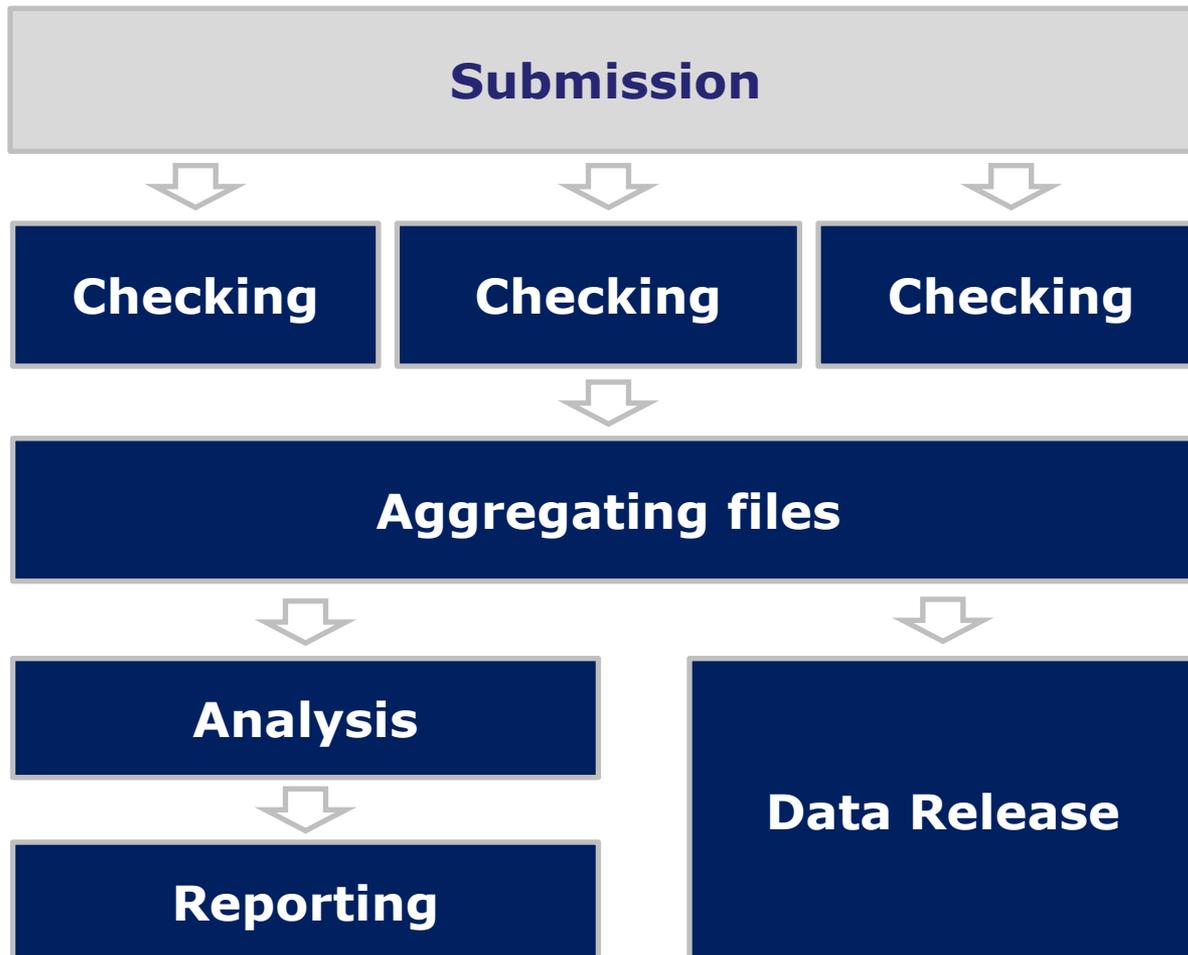
APCD Implementation

- **Design Backwards**
 - **Vision for use: stakeholders**
 - **Reporting plan**
 - **Analytic plan**
 - **Data collection**
 - **Data governance**
 - **Submission guide**
 - **Security and privacy**

APCD Implementation

- **Operations**
 - **Maintaining consensus**
 - **Procurements: aggregator, analyst**
 - **Data collection process**
 - **Quality process**
 - **Data release process**
 - **Sustainability**

APCD Data Flow

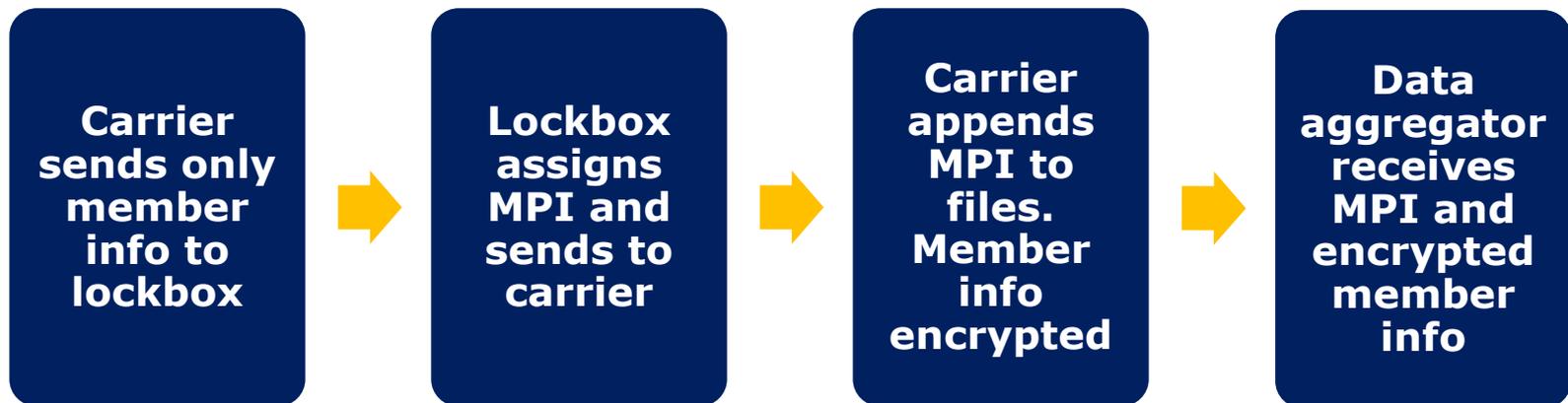


Security and Privacy

- **HIPAA is the floor**
- **State rules may exceed HIPAA**

Examples of Privacy Practices

- **Opt out**
- **Lockbox member ID assignment**



Examples of Current Uses

Find Prices for Medical Services

Search for comprehensive prices for select hospital-based services.

Step 1
Service

Step 2
Location

Step 3
Insurance

Service: Knee Joint Replacement

Select a Medical Service

What type of service are you searching for?

Surgical and Other Services

Knee Joint Replacement

[What's this?](#)

Next

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](#)

Find Prices for Medical Services

Search for comprehensive prices for select hospital-based services.

Step 1
Service

Step 2
Location

Step 3
Insurance

Service: Knee Joint Replacement

Select a Location

Would you like to find this by location or by facility?

Location (ZIP Code or City)

Denver

Denver (80201)

Denver (80202)

Denver (80203)

Denver (80204)

Denver (80205)

Denver (80206)

Denver (80207)

Denver (80208)

Denver (80209)

Denver (80210)

Next

Where Does this Data

The information on this web page is submitted to the Colorado All-Payers Cost Data (APCD) by health insurance

Source: CIVHC www.comedprice.org

Find Prices for Medical Services

Search for comprehensive prices for select hospital-based services.

Step 1
Service

Step 2
Location

Step 3
Insurance

Service: Knee Joint Replacement

Location: Denver (80201)

Select Your Insurance

What type of insurance do you have?

- Private Insurance (Employer or individually purchased such as a Wellpoint PPO plan)
- Medicaid
- No Insurance (Click [here](#) to find insurance)
- Other

Go

[Start](#) > Search Results

Search Criteria

Knee Joint Replacement; Denver (80201); Private Insurance

[Search Again](#)

Knee Joint Replacement

Note that Saint Joseph Hospital and Good Samaritan prices for private insurance are lower in part due to a high percentage of Kaiser patients which only reflect hospital payments. Additional bills for the provider and other services are not included. To view non-Kaiser prices at these hospitals, sel... [Show More](#)

Search Results

 Display within
[Hospital Quality](#)
[Patient Perspective](#)

 Display as: [Table](#) | [Map](#)

Show entries Search by Name:

Type	Provider	Distance	Estimated Price	Patient Complexity
Facility	Exempla Saint Joseph Hospital	1 mi.	\$21,203	Medium
Facility	Presbyterian/St. Luke's Medical Center	1 mi.	**	**
Facility	Rose Medical Center	3 mi.	\$30,097	Medium
Facility	Porter Adventist Hospital	5 mi.	\$34,793	Medium
Facility	Exempla Lutheran Medical Center	6 mi.	**	**
Facility	Swedish Medical Center	6 mi.	***	***
Facility	St. Anthony Hospital	8 mi.	**	**
Facility	St. Anthony North Hospital	8 mi.	**	**
Facility	OrthoColorado Hospital at St. Anthony Medical Campus	8 mi.	\$25,705	Medium
Facility	Kindred Hospital Aurora	8 mi.	**	**

Showing 1 to 10 of 12 entries

 Source: CIVHC www.comedprice.org

** Data not available *** Under Review

Maps Reports Resources

Filter the Claims Data:

Select criteria below to filter the data from the APCD.

Type of healthcare metric:

Total Cost of Care (TCC) [v]

What's this?

Type of payer data:

Medicaid Only [v]

What's this?

Show data for:

2009 2010 2011 2012

View by:

County [v]

What's this?

Show metric as:

Actual value
 % change from previous year

Display Results:

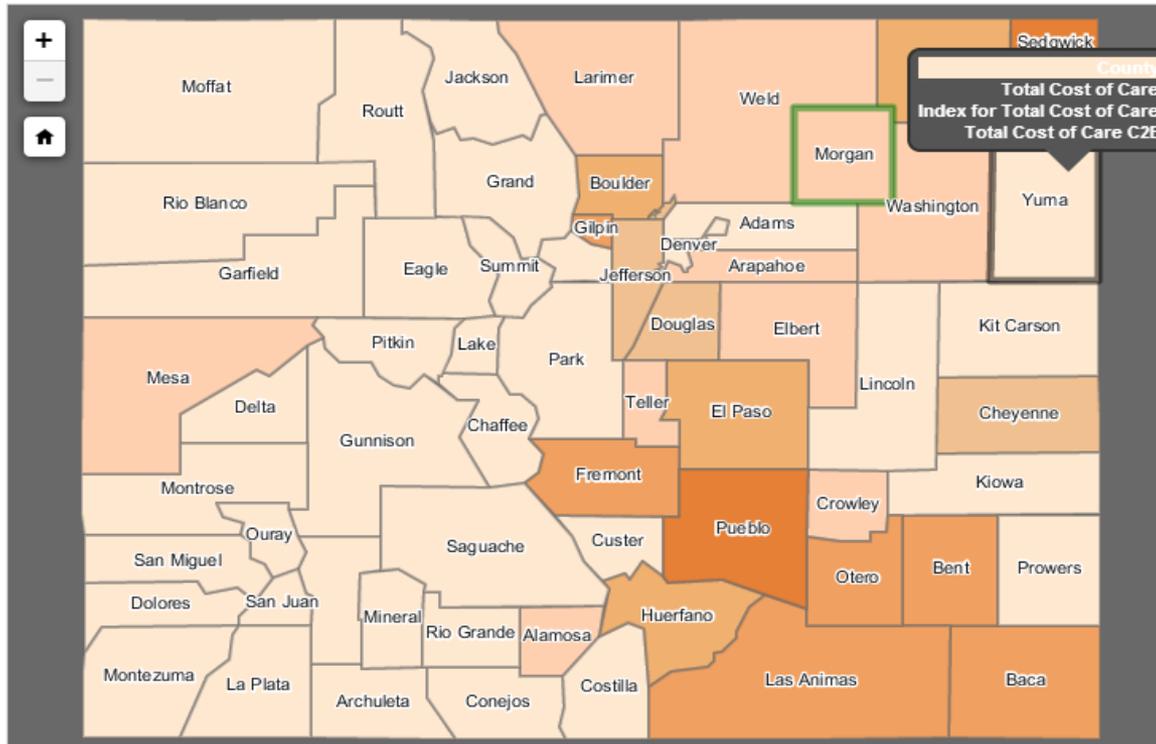
Select how you would like the results displayed.

Map | Data Sheet

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

Export

Counties selected for reports:

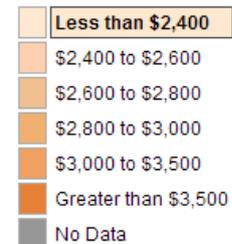


Help

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

Legend

Total Cost of Care
Dollars Per Person Per Year





Home

Health Costs for Consumers

Health Costs for Employers

FAQs and Methodology

About

Health Costs for Consumers

Health Costs for Insured Patients

Health Costs for Uninsured Patients

Health Cost for Consumers - Insured Patients

I am seeking pricing on: *

Enter your zip code: *

Select the Radius from which you want to view selected hospitals and other medical facilities: *

- Entire State
- 10 Miles
- 20 Miles
- 50 Miles
- 100 Miles
- 250 Miles

Select your insurance carrier: *

- Anthem - NH
- CIGNA
- Harvard Pilgrim HC
- Other Insurance

Select your insurance plan type: *

- Health Maintenance Organization (HMO)
- Other Insurance Plans



- Home
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Detailed estimates for MRI - Knee (outpatient)

Procedure: MRI - Knee (outpatient)

Procedure Description: Magnetic resonance imaging of the knee, or any joint on the lower extremity, without contrast material.

Procedure Code: 73721

Insurance Plan: Other Insurance - Other Insurance Plans

Within: 50 Miles of Portsmouth, New Hampshire (03803)

Lead Provider	Estimate of What you Will Pay	Estimate of What Insurance Will Pay	Estimate of Combined Payments	Precision of the Cost Estimate	Typical Patient Complexity
ACCESS SPORTS MEDICINE & ORTHOPAEDICS	\$0	\$729	\$729	MEDIUM	MEDIUM
CONCORD ORTHOPAEDIC SURGERY CENTER	\$0	\$864	\$864	HIGH	MEDIUM
FOUR SEASONS ORTHOPAEDIC CENTER, PA	\$0	\$921	\$921	MEDIUM	MEDIUM
DERRY IMAGING CENTER	\$0	\$969	\$969	LOW	MEDIUM
DARTMOUTH-HITCKOCK CLINIC	\$0	\$1,598	\$1,598	LOW	MEDIUM
<u>SOUTHERN NH MEDICAL CENTER</u> 📍 603.577.2000	\$0	\$1,633	\$1,633	VERY LOW	MEDIUM
<u>EXETER HOSPITAL</u> 📍 📍 603.778.7311	\$0	\$1,635	\$1,635	HIGH	MEDIUM
<u>HUGGINS HOSPITAL</u> 📍 📍 603.569.7500	\$0	\$1,858	\$1,858	HIGH	MEDIUM

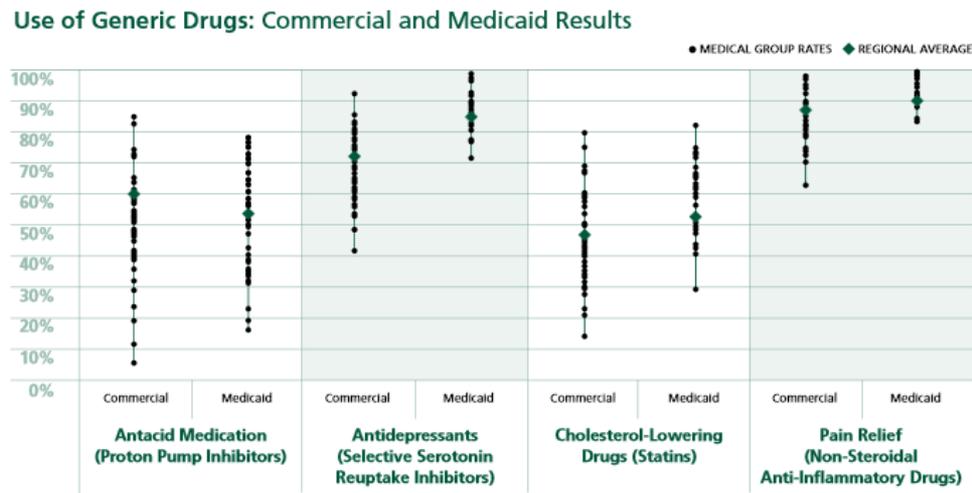
Impact of Other APCDs

- **Maine: Maine Health Cost**
- **Massachusetts: pricing and quality for hospital procedures and outpatient care**
- **Minnesota: physician profiles**
- **Utah: geographical variation in depression treatment**

Voluntary APCD efforts

Washington Health Alliance

- Since 2008, WHA has published Community Checkup results for medical groups, clinics and hospitals
 - Highlights quality, efficiency and community variation
- Experience with local, voluntary data collection efforts



Wisconsin

- **Wisconsin Health Information Organization (non-profit)**
 - distribute data to frontline people who can use it to initiate change. Supports philosophy that the providers are “the ones that need to ask the questions of the data, find opportunities for improvement, make changes.”
- **Allows providers, health plans to determine performance relative to benchmarks on measures regarding quality and resource use**
- **Limitations**
 - No access to Medicare fee-for service claims
 - Person-level data not a priority

Louisiana

- **Louisiana Health Care Quality Forum**
- **Challenges:**
 - Differing formats and layouts necessitated third party converter
 - Annual changes in Payers' customer IDs
 - Local procedure codes
- **Effort became defunct around 2012**

Virginia

- **Virginia Health Information (non-profit)**
 - **Voluntary commitment from state's major commercial payers**
 - **Medicaid, Medicare and other government program participating**
 - **Voluntary model with mandatory requirements if voluntary threshold is not met**
 - **Successful in gaining major participation**
 - **Initial funding among health plans, hospital association and VHI**
 - **Data collection ongoing—first reports due this fall**

Evolving Reporting

- **Data “matures” over time**
- **Reporting plan should mature with it**
- **Adapt reporting to take advantage of the degree of data accuracy and completeness—and go no further than that**
- **While this 2-3 year period requires patience, it also permits deeper and more thoughtful relationships among stakeholders**
- **WHA has deep understanding of this thanks to years of local experience**

Integration with Clinical Data

- **2014: EHR data and claims data do not easily mix**
 - **Limitations**
 - EHR penetration (~65% use “basic” EHR in WA)
 - EHR data lack standardization
 - Patient identifiers
 - **Prospects**
 - EHR data complement claims data well
 - Meaningful Use standards and time are expected to address major limitations
 - **In other words: this will be a major future use case**
-

Sustainability Plan

Revenues

- Appropriations
- Grants
- Assessments
- Third party user fees

Expenses

- Operations
- Aggregation
- Warehousing
- Analytics
- Reporting
- Custom data and analyses

Your sustainability plan will reflect your values and priorities

Data sets for release

- **Scope of release determined by local law and regulation**
- **Range from nothing to everything (with privacy protections)**
- **Typical data release regime**
 1. **Public use data – no restrictions on use**
 2. **Limited data set – restricted to certain purposes after agreement on protections**
 3. **Full data set – highly restricted, often only to hosting organization or state agencies with both authority and need for use**

Lessons Learned

- **Strengthen stakeholder engagement**
- **Articulate reporting goals**
- **Legislative constraints can stifle progress and consensus**
- **Take advantage of administrative simplification**
- **Be transparent about data collection and analysis at all levels**
- **Consider data quality as an ongoing process**
- **Communicate early and often**

References

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- **Realizing the Potential of All-Payer Claims Databases, Creating the Reporting Plan Prepared by Freedman HealthCare, LLC—Linda Green, Amy Lischko, and Tanya Bernstein. Robert Wood Johnson Foundation, January 2014**
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- **Tri-State Variation in Health Services Utilization & Expenditures in Northern New England Prepared by Onpoint Health Data, June 2010**
- **Quality Matters Q&A: Building an All-Payer Claims Database – The Wisconsin Model**
<http://www.commonwealthfund.org/publications/newsletters/quality-matters/2013/april-may/qa>
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http://www.vhi.org/flyers/APCD_Flyer_Winter_2014.pdf
- <http://www.nhhealthcost.org/>
- <https://www.comedprice.org/#/home>