Healthier Washington: Analytics, Interoperability and Measurement (AIM)

Cascade Pacific Action Alliance (CPAA) Council Meeting
Presented by Adam Aaseby, CIO and Interim AIM Director, Health Care Authority
February 11, 2016
Analytics, Interoperability and Measurement

- Largest investment area of Healthier Washington
- $25 million from the SIM grant
- AIM stands for:
  - Analytic tools
  - Interoperable systems, and
  - standardized Measurement strategies
- AIM works across state agencies – breaking down silos
- AIM is a key lever to implementing population health improvement strategies
AIM: Key objectives

How are we going to do it?
• Make smart investments
• Analytical tools
  – Economics
  – Epidemiology
• “Hot spotting” tools to help us target community interventions
  – Institute for Health Metrics and Evaluation
  – Providence CORE
• Leverage existing tools – like the state health information exchange
  – OneHealthPort
Tools bring value-added dimensions

- Data Governance and Security
- Visual Dashboards
- Hot Spotting
- Common Measure Reporting
- Social Determinants of Health Overlay
- Clinical Decision Making
Procurement Conceptual Architecture

AIM Tiered Architecture for Decision Support

Source Data
- Provider Network and Claims data
- Enrollee reports (e.g., claims, utilization)
- HEDIS metrics
- Evaluation information
- Hospital program requirements (e.g., readmissions, hospital acquired diseases)
- Value-based reimbursement data
- Health, Wellness, and Prevention provider and participation data
- At-Risk enrollee data and At-Risk enrollee support data
- At-Risk enrollee data and At-Risk enrollee support data
- Patient-centered care and shared decision making
- Participation in quality initiatives, and potentially resulting in improvement of data
- Reward-based consumer incentive data

State Data Resources:
- Department Systems
- All-Payer Claims Database (APCD)

External Data Resources:
- Open
- Commercial & Academic
- Social
- Unstructured e.g., text

Data Architecture
- Logical Data Warehouse
- Metadatas Management
- Reporthy
- Virtualization
- UNIFIED Process
- "Local" and "adhoc" data

Data Staging
- Informal Acquisition
- Formal Acquisition

Data Lake

Decision Support
- Information Portal
- Reports
- Dashboards
- Analytics Workbench
- Data Discovery
- Data Mining
- Data Science Laboratory

Platform

Visualization

(BI/Analytics) Tools

Data Management (applications)
Putting it all together
AIM Strategy: Interconnections

Healthier Washington Stakeholders
- ACHs
- HW Research Teams
- HW Evaluation Team

WA State Agency Stakeholders
- HCA
- DSHS
- DOH

WA Healthcare Organizations
- WA Payers
- WA Providers

Healthier Washington Dashboard Reporting Tool

Analytics, Interoperability and Measurement (AIM)
- Analytics
- Visualization
- BI/Reporting

Logical Data Warehouse

Medicaid and PEB Claims and Encounter data

Public Health, Survey and Environmental data

Medicaid Client Services data

All Payer Claims Database (APCD)

Clinical Data Repository (CDR)
# Healthier Washington: Concurrent State AIM-Related Work

<table>
<thead>
<tr>
<th>Work stream</th>
<th>How it fits in</th>
<th>Who uses it</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Statewide Common Measure Set</strong></td>
<td>Official reporting tool is the Community Checkup for the Washington State common measure set</td>
<td>Washington State payers, ACHs</td>
</tr>
<tr>
<td><strong>Dashboard reporting tool (CORE)</strong></td>
<td>Visualization tool for specific key measures critical to ACH organizations</td>
<td>ACHs</td>
</tr>
<tr>
<td><strong>Clinical Data Repository (CDR)</strong></td>
<td>Store claims, encounter and summary care documents of the longitudinal record</td>
<td>Providers, other clinicians, MCOs, state agencies</td>
</tr>
<tr>
<td><strong>All Payer Claims Database (APCD)</strong></td>
<td>Collect and store claims and encounter data from all WA State payers &gt; Transparency</td>
<td>Public / WA State Agencies / Other payers</td>
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# Healthier Washington: Concurrent State AIM-Related Work

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<td>Payment Model 4 / Multi-Payer Solution</td>
<td>Multi-payer clinical data aggregation platform to enable cost reduction (still in design phase)</td>
<td>Washington state providers</td>
</tr>
<tr>
<td>Washington Tracking Network (WTN) and CHAT / DOH</td>
<td>Community health assessment tool(s)</td>
<td>State agencies, ACHs, local health jurisdictions</td>
</tr>
<tr>
<td>University of Washington / Evaluation Team</td>
<td>Academic / formal evaluation of Healthier Washington strategies</td>
<td>State agencies, CMMI</td>
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<tr>
<td>DSHS/RDA</td>
<td>Centralized analytics group within DSHS. Provides support for AIM primarily behavioral and physical health integration and evaluation</td>
<td>Medicaid health plans, home health providers, RSNs, state agencies</td>
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The Health Care Authority partners with the Washington Health Alliance to:

- Co-convene the Performance Measures Coordinating Committee (PMCC)
- Convene the technical and evaluation work groups annually to review the common measure set and, as necessary, recommend appropriate changes to the PMCC
- Collect data for, and publicly report on, the measures in the common measure set
- Develop materials to promote the use of the common measures to purchasers, payers, and consumers
The Health Care Authority partners with Providence CORE to:

- Act as an interim AIM solution to provide the state and ACHs with dynamic, actionable data and analytics for community needs assessments
- Provide analytics derived from Medicaid, Public Employee Benefits (PEB) and DOH survey data (PRAMS, BRFSS and IIS)
- Support ACH needs for population health and social determinants of health data
- Provide ACHs with data in an aggregated, de-identified format, visualized via Tableau software, in interactive dashboards
The Healthier Washington team is planning to launch an Advisory Group of key stakeholders – They will provide feedback on AIM strategy and execution – The first Advisory Group meeting will be held in spring 2016

- A monthly newsletter with AIM news is coming
- Communication strategies are being targeted for the public, our partners in the Accountable Communities of Health, and other key stakeholder groups
What do YOU need from the state?

• We welcome feedback from CPAA and other ACHs on how the state can better serve the data needs of ACHs?
  – Bi-weekly discussions with ACH liaisons, as selected by all ACHs, to stay connected to AIM (King, North Sound, Benton-Franklin)
Contact us:

Email:
healthierwa@hca.wa.gov
(Send us a message to join our feedback network)

Website:
www.hca.wa.gov/hw

The project described was supported by Funding Opportunity Number CMS-1G1-14-001 from the U.S Department of Health and Human Services, Centers for Medicare & Medicaid Services. The contents provided are solely the responsibility of the authors and do not necessarily represent the official views of HHS or any of its agencies.