The Medicare Data Portal and Accountable Care Organization (ACO) Explorer

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Jennifer Rankin
Michael Topmiller
Agenda

- Who is HealthLandscape?
- HealthLandscape: The History
- Open Data Initiative
- The Medicare Data Portal
- The Accountable Care Organization Explorer
Meet the Team

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Advisory Committee Chair.
HealthLandscape: The History

• Need for better decisions in healthcare
  – Data-Driven Decision Making
• Developed by the Health Foundation of Greater Cincinnati and the Robert Graham Center
• Public Launch: December, 2008
HealthLandscape: The History

“If a picture is worth a thousand words… a map is worth a thousand pictures.”
HealthLandscape: The History
HealthLandscape: The History

- HealthLandscape V3 launch: June, 2010
- AAFP purchased HealthLandscape: January, 2014
- HealthLandscape V5 development: in progress
HealthLandscape: The History
Open Data Initiative

- Todd Park and Data Evangelism
- Water, water everywhere, but not a drop to drink
- Hundreds of datasets.
Medicare Data Challenges

• How to Make Sense of all these Data?
  – Millions of Medicare Beneficiaries
  – Hundreds of indicators
  – Multiple years of data
  – Multiple geographic boundaries (& by hospital, physician)

• Deciding what is important?
  – Medicare Spending
  – Chronic Conditions
  – Variations in Costs
  – Utilization Patterns
The Medicare Data Portal

- Centers for Medicare & Medicaid (CMS) Geographic Variation database
- Chronic Conditions Warehouse
- Dartmouth Atlas of HealthCare
- County and HRR
The Medicare Data Portal

What does it tell us?
(~100 indicators - State, County, & HRR levels)

- Medicare Population Chronic Conditions
- Utilization
- Costs
- Multiple Chronic Conditions (Utilization, Costs, Prevalence)
- Dartmouth Atlas

How does it help?

- Visualize Medicare data through maps, graphs, trend charts
- Compare indicators
- Allows everyone to interact with data
  - Researchers, policy-makers, public
Welcome to the Medicare Data Portal

Recently, the Institute of Medicine (IOM) contacted the Centers for Medicare and Medicaid Services (CMS), requesting new datasets and analyses that would benefit the evaluation of geographic variation and growth in health care spending and the volume and intensity of health care services utilization. In response to the IOM request, CMS created four datasets using the new Geographic Variation in Medicare Spending and Utilization (GV) database, which uses Medicare claims data to calculate utilization measures and total standardized, and non-adjusted spending. The portal also incorporates Chronic Condition indicators, including Diabetes, Heart Failure, and Chronic Obstructive Pulmonary Disease.

The IOM encourages members of the public to incorporate the datasets, in addition to other sources of health data, into related research activities.
The Medicare Data Portal
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The Medicare Data Portal
The ACO Explorer

• Affordable Care Act
  – New models of health care delivery
  – Improve QUALITY while reducing COSTS
• What is an ACO?
  – Care coordination
  – Medicare Shared Savings Program (MSSP)
The ACO Explorer

• Geographic variation: ACO Quality
  – http://www.healthlandscape.org/ACOExplorer/map.cfm
  – 211 ACOs in MSSP
  – 33 Quality Measures in 5 domains
    • Patient/caregiver experience
    • Care coordination/patient safety
    • Preventive health
    • At-risk population diabetes
    • At-risk population heart-related measures
The ACO Explorer: Site Scoring
The ACO Explorer: Detailed Data
The ACO Explorer: Data Filters
The ACO Explorer: Data Filters
The ACO Explorer: Data Filters
The ACO Explorer: Customization
The ACO Explorer: Data Table

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<th>HbA1c Control (Less than 9%)</th>
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28 AMERICAN ACADEMY OF FAMILY PHYSICIANS
The ACO Explorer: Stats

Quick Start: Select an outcome and predictor.

A few definitions before you start . . .

Your Outcome is your Dependent variable. Your Predictor is your Independent variable, the thing you are using to predict your Outcome or Dependent variable.

Continuous measures are usually numbers or percentages, like Percent Obese, or Dollars Spent. Discrete or Ordered Discrete Variables or typically categories like yes/no, north/south/east/west, low/medium/high.

These general analysis rules apply: A Continuous Predictor and a Continuous Outcome will be displayed as a Correlation, or r-square test. A Discrete Predictor and a Continuous Outcome will be displayed as an Analysis of Variance, or F-test. A Discrete Predictor and a Discrete Outcome will be displayed as a crosstabulation or contingency table, with related chi-square test.
The ACO Explorer: Stats (ACO Predictor)
The ACO Explorer: Stats (Community Predictor)
Conclusion

www.healthlandscape.org/acoexplorer/map.cfm

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