

Quick Turnaround with Administrative Health Data

















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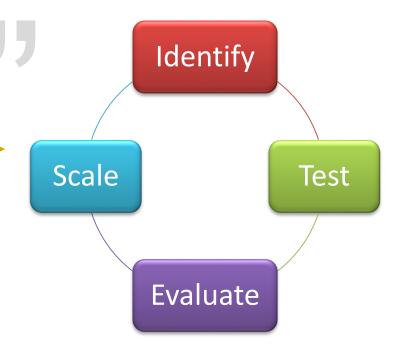
Overview

- Center for Medicare and Medicaid Innovation (CMMI)
- Administrative Health Data at CMS
- Rapid Cycle Evaluation at CMMI
- Depicting results in new ways
- New methods

The CMS Innovation Center

The purpose of the [Center] is to test innovative payment and service delivery models to reduce program expenditures...while preserving or enhancing the quality of care furnished to individuals under such titles.

- The Affordable Care Act



The Innovation Center portfolio aligns with delivery system reform focus areas

Focus Areas	CMS Innovation Cer	nter Portfolio*
I UCUS AICUS	CIVIS IIIIIOVALIOII CCI	

Pay
Providers

Test and expand alternative payment models

- Accountable Care
 Initiatives Focused on the Medicaid
- Primary Care Transformation
 Dual Eligible (Medicare-Medicaid Enrollees)
- Episode based payments

Deliver Care

Support providers and states to improve the delivery of care

- Learning and Diffusion
- Health Care Innovation Awards
- State Innovation Models Initiative
- •Million Hearts Initiative

Distribute Information

<u>Increase information available for effective informed</u> decision-making by <u>consumers and providers</u>

- ■Information to providers in CMMI models
- Shared decision-making required by many models

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Claims Based Priority Measures

Structure

Process

Outcome

Care Cost and

Resource Use

HIT Utilization

Measures related to use of HIT

Preventive Care

Measures examining provision of preventive care

Clinical Care

Measures assessing adherence to processes of care

Care Coordination

Measures assessing relationship and communication between providers and patients, including plan of care development and follow-up; follow-up to tests, referrals, etc.; availability of patient information to necessary caregivers/patient/family members; and care transition issues

Mortality

Mortality measures including diseasespecific or all-cause, reported for a specific time period

Morbidity

Intermediate outcome measures that describe level of health or disease

Functional and Health Status Change

Assessment tools that examine changes in patient outcomes related to functional and other health status changes

Safety Outcomes

Measures assessing outcomes of poor safety practices

Patient, Care Giver

<u>Experience</u>

Experience

Measures or surveys that use feedback from patients and their families about their experience with care

Cost of Care

Measures and recommendations for calculating cost of care

Readmissions

Measures related to nday readmissions

Ambulatory Care Sensitive Condition (ACSC) Admissions

Measures tied to hospitalizations for which quality outpatient care can potentially prevent, or for which early intervention can prevent complications or more severe disease

ER/ED Visits:

Measures tied to utilization of the ED/ER

http://innovation.cms.gov/Files/x/PriorityMsrMontEval.pdf

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Priority Measures Example

Hospital ED Visit Rate that did not Result in Hospital Admission, by Condition

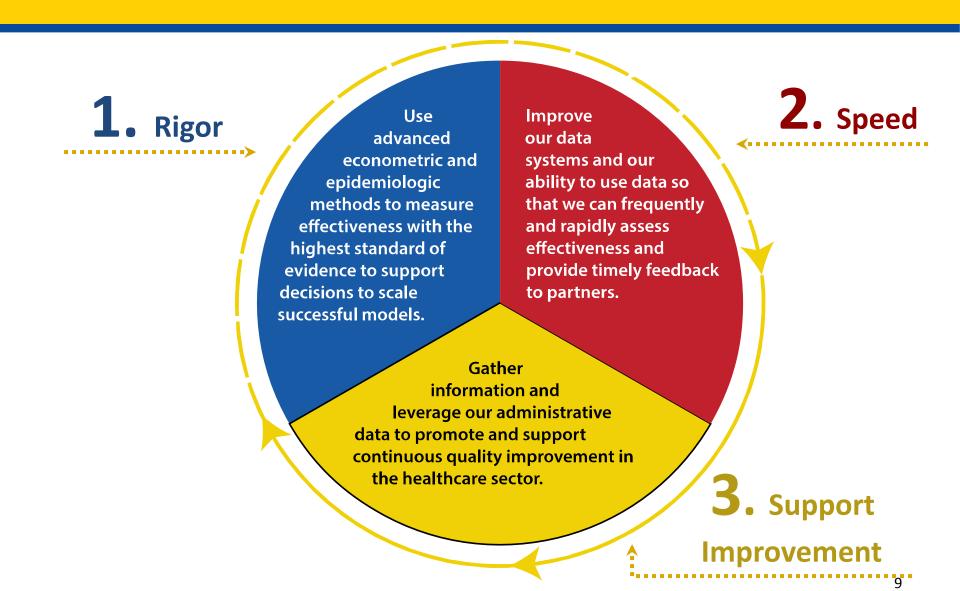
 Numerator: All ED visits attributed to beneficiaries with a given condition. Sum the number of ED visits identified in the Outpatient SAF.

• *Denominator:* Count number of beneficiaries with a given condition.

Administrative Health Data Available for Research

- Beneficiary level
 - Enrollment and Demographics
 - Surveys
- Physician and Professional Services
- Facility Services
- Prescription Drugs
- Quality of Care
 - Resident Assessments
- More information and categorization available through Research Data Assistance Center (ResDAC)
 - http://www.resdac.org/cms-data

Rapid-Cycle Evaluation



Examples of Rapid-Cycle Reporting

External Reporting

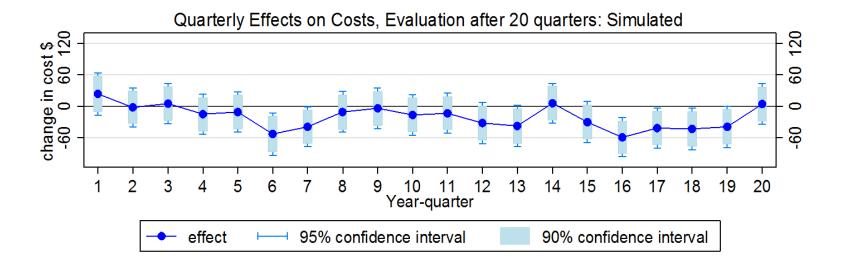
- To practices or States
- Providers

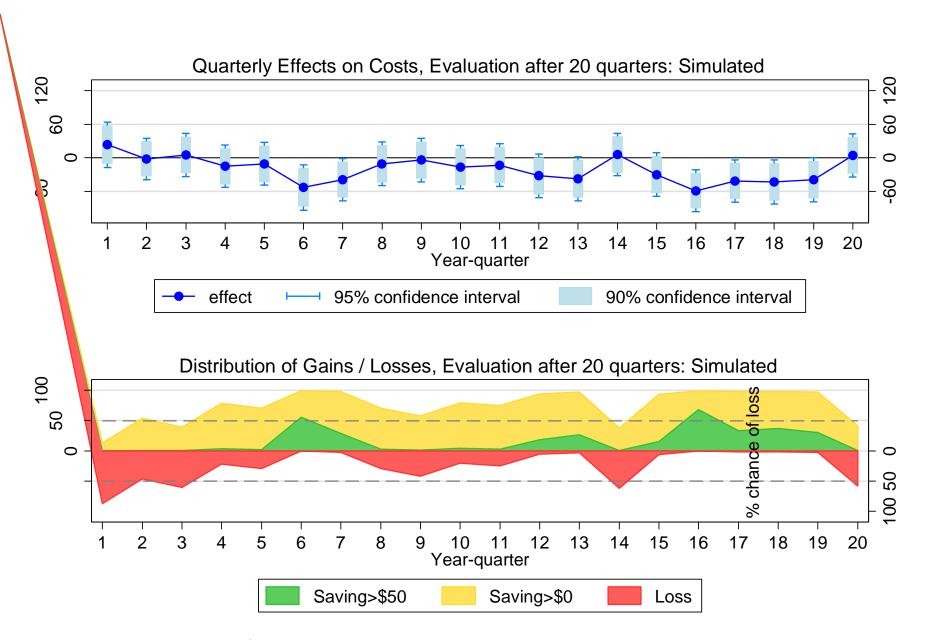
Internal Reporting

- To program team
- To CMMI leadership

Depicting Evaluation Results: New Challenges

- Need to integrate the estimated effect sizes and precision estimates
- Display estimates to better convey the anticipated gains/losses of a particular model
- Explore ways to present data for different audiences





True savings ramps up to \$20 by 6th quarter Average standard error of coefficients is 20

New Methods

- CMMI seeks to update approaches to utilize best methods
 - Health services research field is constantly evolving
- Example
 - Bayesian
 - Varies from frequentist approach in:
 - Structure (confidence vs. probability)
 - Display
 - Assumptions

Summary

Administrative data can be leveraged for evaluation and research

Advantages include:

- Comprehensive resource
- Ability to identify policy relevant impacts

Challenges include:

- obtaining timely and complete data
- presenting data for different audiences in a way that is clear and understandable

Thank You!

Questions?

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