

Quality Measurement



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National Adult and Influenza Immunization Summit
May 9, 2023



Agenda

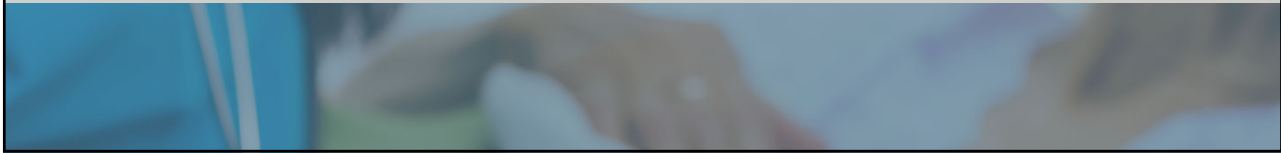
Let's take questions along the way...please ask and engage with us

Context and Background

Measures Development and Use

Case Study: *The Story of the Summit and the Adult & Prenatal Immunization Status Measures: How it started, why, and what you need to know?*

Context *and* Background



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National Committee for Quality Assurance

OUR MISSION

To improve the quality of health care

OUR METHOD



Measurement

We can't improve what
we don't measure



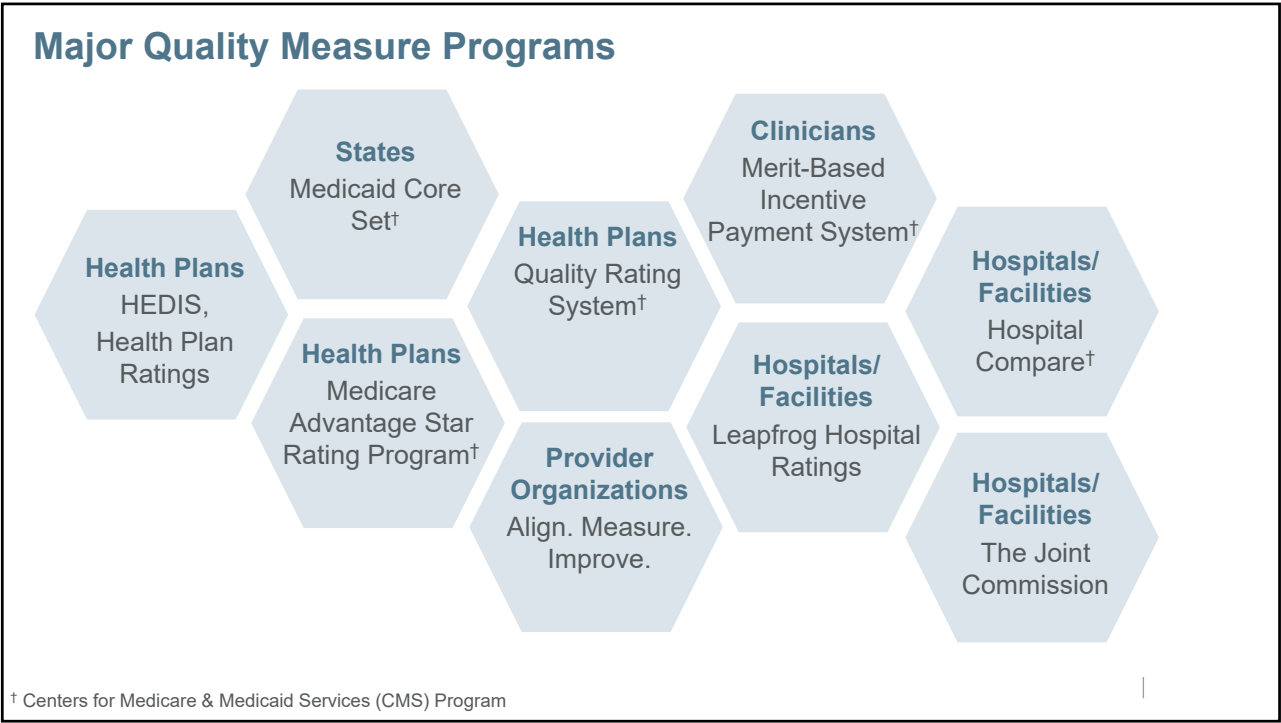
Transparency

We use and publicly
report measure results

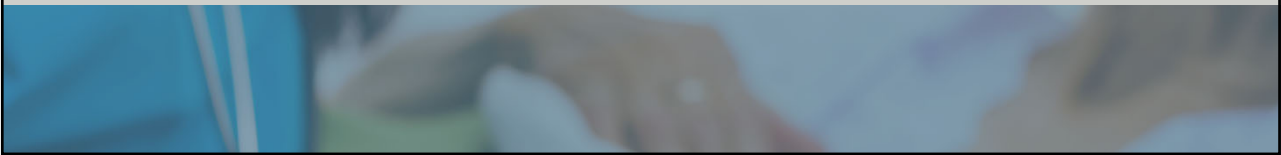


Accountability

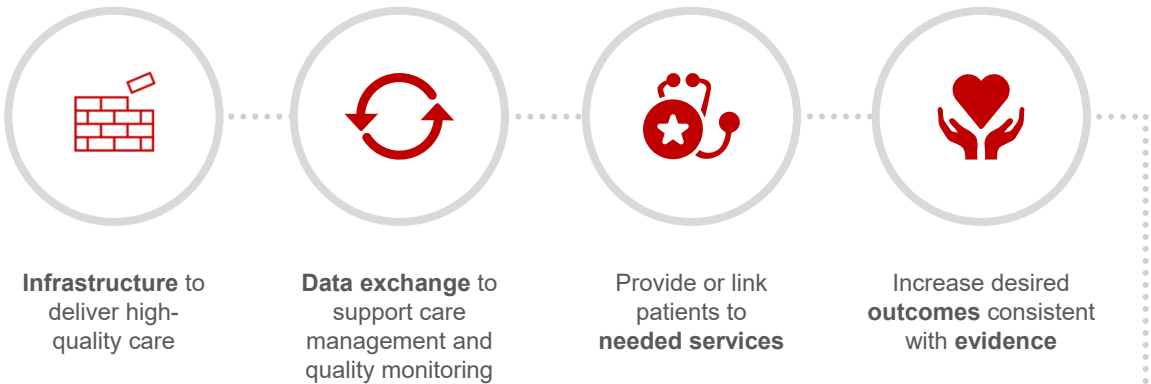
Once we measure, we
can expect and track
progress



Measures Development *and* Use



Expectations for Accountable Entities



High Quality, High Value Care ♦

Standards and quality measures are urgently needed to guide value-based payment models to support high quality care that is equitable and coordinated

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Desirable Attributes for Measures

Measures must balance several criteria



Relevance

- Meaningful to stakeholders
- Important to enhanced health
- Financial importance
- Potential for improvement
- Substantial variation



Scientific Soundness

- Evidence-based
- Valid
- Reliable



Feasibility

- Precisely specified
- Data available
- Reasonable collection effort
- Can be audited

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Prenatal Immunization Status

Example

Advisory Committee on Immunization Practices

Routine Vaccinations for Pregnant Individuals



Vaccine	Recommendation
Influenza (inactivated)	Recommended
Influenza (LAIV)	Contraindicated
Tetanus, Diphtheria, and Pertussis	Recommended
Tetanus and Diphtheria	Use if otherwise indicated (Tdap preferred)

Currently available data suggest that vaccinating earlier in the 27- through 36-week period will maximize passive antibody transfer to the infant

Prenatal Immunization Status

Example

What is the “thing”
to be measured?

Numerator

=

Rate

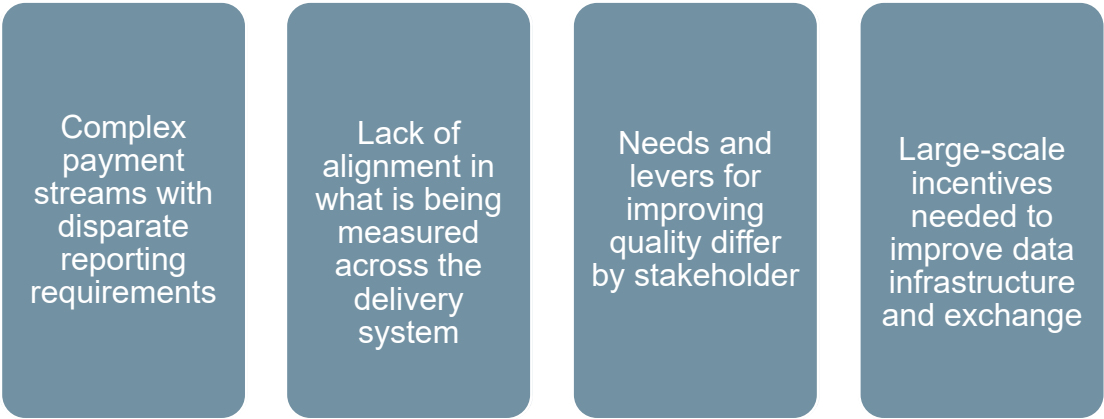
Denominator

Who are the people
to be measured?

Questions & Considerations

- When should vaccination occur?
- What about prior vaccination history?
- Will the health plan have access to vaccination information?

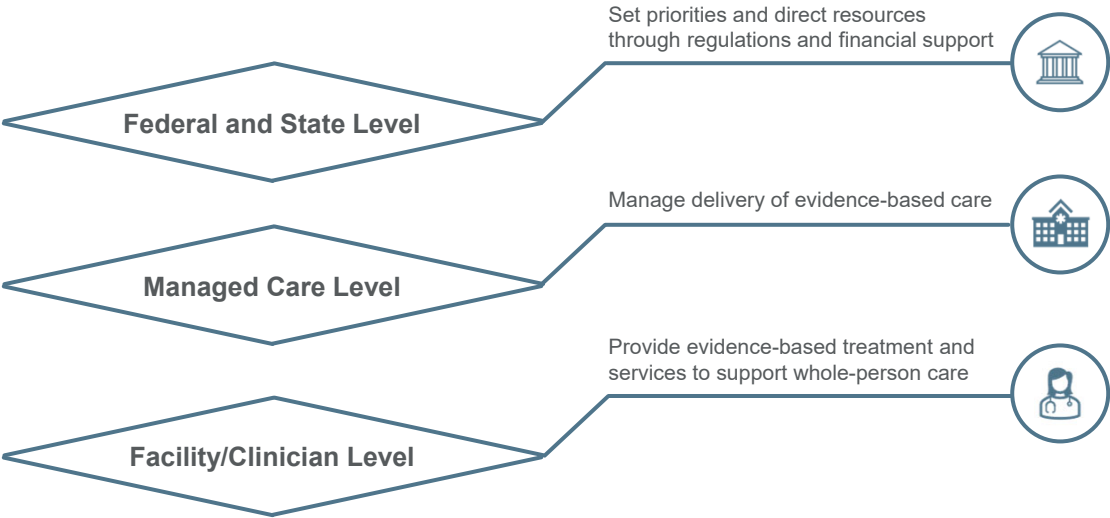
Challenges to Measuring What Matters



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Measurement Framework* to Promote Alignment

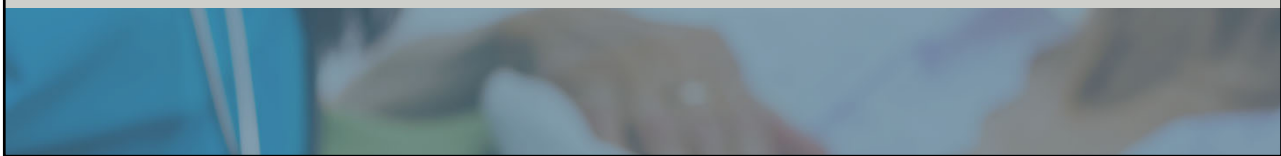
Connecting the dots across the delivery system



*Adapted from Olin SS, Freed GL, Scholle SH, Applegate MS. 2021. Aligning to improve pediatric healthcare quality. Acad Ped, S1876-2859(21) 00441-1.

The Summit & Quality Performance Measure Development

Case Study: Adult & Prenatal
Immunization Status



Prioritizing Measure Gaps for Adults

HHS – commissioned study from the National Quality Forum

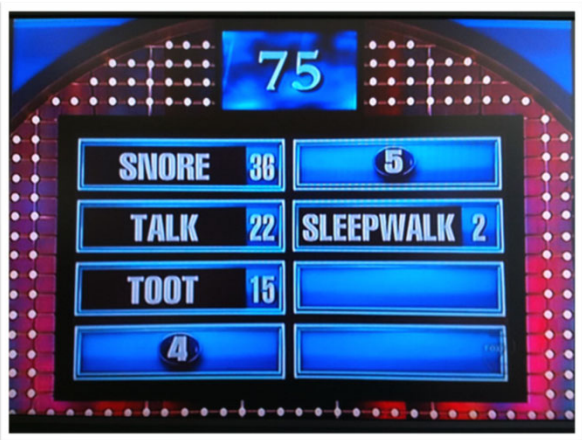
Project sought to identify critical areas for performance measurement to optimize vaccination rates and outcomes across adult populations...

in specific age groups and subpopulations including young adults, pregnant women, adults, the elderly, people with chronic disease, and healthcare workers.

...ten measure gap priorities

...short-term and long-term priorities

...recommendations for measurement (accuracy and efficiency, and measuring that which is most meaningful)

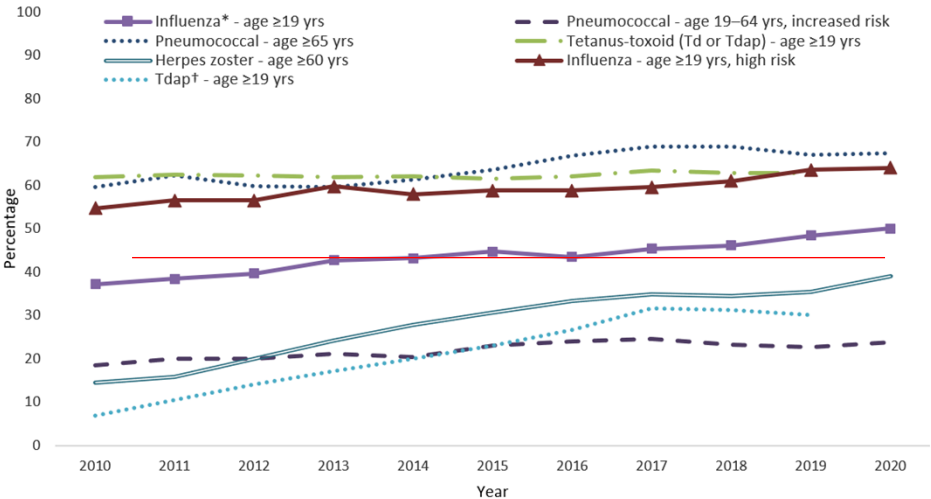


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<https://www.qualityforum.org/ProjectDescription.aspx?projectID=73277>

Vaccination Coverage of Adults

Routinely recommended adult vaccinations are well below 70%



NAIIS: Quality Performance Measure Working Group

A timeline of partnership-driven activities

[PILOT TESTED] Weiser T, Bacon A, Corum B, Van Lew H, Groom A. Evaluation of an adult immunization composite measure in the Indian Health Services. *Vaccines*. 2018;36:32 Part B. <https://doi.org/10.1016/j.vaccine.2018.04.006>

[PARTNERSHIP DRIVEN] Shen AK, Groom AV, Leach DL, Bridges CB, Tsai AY, Tan L. Promoting Adult Vaccination through the Development and Use of Composite Measurement: A Partnership-Driven Roadmap to Strengthen the Vaccine Delivery System. *Vaccine*. 2019;37:1277-1283. <https://doi.org/10.1016/j.vaccine.2019.01.044>

[MORE EVIDENCE] Shen AK, Williams WW, O'Halloran AC, Groom AV, Lu P, Tsai AY, Lindley MC. Promoting Adult Immunization Using Population-Based Data for a Composite Measure. *Am J Prev Med*. 2018;55(4):517-523. <https://doi.org/10.1016/j.amepre.2018.04.050>

[DOCUMENTING DEVELOPMENT] Byron SC, Roth L, Acton RM, Shen AK. Harnessing electronic clinical data to report adult and prenatal immunization quality measures. *J Am Med Inform Assoc*. 2021;28(10):2226-2232. <https://doi.org/10.1093/jamia/ocab125>

Adult Immunization Status

Measure description

Members 18 years of age and older who are up-to-date on recommended routine vaccines:

- Influenza
- Td or Tdap
- Herpes zoster
- Pneumococcal

Plan Types

Commercial
Medicaid
Medicare

Reporting Method

Electronic Clinical
Data Systems

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Adult Immunization Status

Percentage of adults who are up-to-date on routine vaccines

Indicator	Description
Influenza	Influenza vaccine received between July 1 of year prior to June 30 of measurement period.
Td/Tdap	Td or Tdap vaccine within the past 10 years.
Zoster	1 dose of live herpes zoster vaccine or 2 doses of recombinant herpes zoster vaccine on or after 50th birthday.
Pneumococcal	Polysaccharide AND conjugate vaccine ≥ 12 months apart on or after age 60

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Prenatal Immunization Status

Measure description

Percentage of deliveries during the measurement period in which the birthing individual received the following vaccinations:

- Influenza vaccine
- Tdap vaccine

Plan Types

Commercial
Medicaid

Reporting Method

Electronic Clinical
Data Systems

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In short: measure, monitor, manage, improve

Focus on **systems** through the composite

Why? quality measures (evidence-based strategy to improve coverage) used for monitoring for performance in key activities, allows for comparison across health plans, with aim towards better patient care and lower cost

Where? HEDIS® measures used for private, Medicare and Medicaid plans
Previously, only influenza and pneumococcal measures for adults

New adult vaccine HEDIS quality measures in 2019 (provisional) 2020 (required)

- Adult measure
- Prenatal measure



Take Away

Triple Aim: Affordable Care, Better Care, Healthy People & Communities (4th – Clinical Experience)

What is the Medicaid Core Set?

- The **Core Sets** help CMS and states assess the access to and quality of health care being provided to **Medicaid** and CHIP beneficiaries and identify and improve understanding of the health disparities experienced by Medicaid and CHIP beneficiaries.

There are two sets: Adult and Child Core Sets

- *technical feasibility, measure desirability, financial and operational viability*
- Adult Core Set
 - Working Group (WG) recommended AIS to replace Flu Vaccinations for Adults Ages 18-64 (FVA-AD)
 - WG also recommended PRS measure in 2021

<file:///C:/Users/13014/Downloads/2023CoreSetReview-FinalReport.pdf> (AIS recommendation August 2022)

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Light Reading and Thank You

Quick Reads – think cliff notes version

[**First Blog**] Moving More Electrons To Optimize New Adult Composite Immunization Measures | Health Affairs
<https://www.healthaffairs.org/doi/10.1377/forefront.20190919.68890>

[**Follow-On Blog**] Unraveling A Composite Measure To Drive Immunization Uptake In Adults: A Critical Compromise | Health Affairs
<https://www.healthaffairs.org/doi/10.1377/forefront.20200817.901186/>

Highlights electronic reporting of data and provides a snapshot of the NAIS and measurement story for AIS & PRS

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**SAVE
THE DATE**

SAVE THE DATE • SPRING 2024

Immunization Coalitions & Partnerships Meeting

Hosted by the
Pennsylvania Immunization Coalition (PAIC)

**Meet New Partners &
Explore New Possibilities**

Spring 2024
Come explore Philadelphia with us!

Stay Tuned - More to Come. Questions shenak@chop.edu



Thank you

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