Quality Measurement: Closing Gaps in Immunization

National Vaccine Advisory Committee
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SESSION OVERVIEW

I. Introduction (5 min) – Dr. Angela Shen, NVPO

II. NCQA and Immunizations: The Life Cycle of a Measure (25 min) – Dr. Mary Barton, NCQA

III. PQA: Experience in measure development and the PQA Adult Task Force (15 min) – Dr. Hannah Fish, PQA

IV. Q/A (15 min) – Dr. Angela Shen, NVPO
The National Quality Strategy unites efforts to improve health and health care for all Americans. The above graphic provides a high-level view of how the National Quality Strategy works to provide better, more affordable care for the person and the community.

Courtesy: Nancy Wilson, AHRQ
QUALITY CAN BE MEASURED AND IMPROVED AT MULTIPLE LEVELS

Community
- Population-based denominator
- Multiple ways to define denominator (e.g., county, HRR)
- Applicable to all providers

Practice setting
- Denominator based on practice setting (e.g., hospital, group practice)

Individual physician
- Denominator bound by patients cared for
- Applies to all physicians
- Greatest component of a physician’s total performance

Increasing individual accountability

Increasing commonality among providers

Courtesy: Nancy Wilson, AHRQ
OVERVIEW OF
NATIONAL ADULT AND INFLUENZA IMMUNIZATION SUMMIT
(NAIIS)

QUALITY PERFORMANCE MEASURE
WORKING GROUP
### NQF - Prioritizing Measure Gaps: Adult Iz

**NQF Priorities for Measure Development**

| 1. | HPV catch-up for ages 19-26 |
| 2. | TDaP/Pertussis vaccine for ages 19-59 |
| 3. | Zoster vaccine for ages 60-64 |
| 4. | Zoster vaccine for ages 65+ |
| 5. | Composite with other preventative services |
| 6. | **Composite—TDaP and flu for pregnant women** |
| 7. | Composite—Influenza, pneumococcal, Hepatitis B in diabetes |
| 8. | **Composite—Influenza, pneumococcal, Hepatitis B in ESRD** |
| 9. | Composite—Hep A and B in chronic liver disease |
| 10. | Composite of all ACIP vaccines for healthcare workers |

NAIIS QUALITY METRICS WORKGROUP

- Pregnancy Composite Subgroup
  - Measure consists of flu, TDaP

- ESRD Composite Subgroup
  - Measure consists of flu, pneumo, Hep B

- Adult Composite Subgroup
  - Successful adult measure developed by IHS (Tdap, pneumo, herpes zoster) + influenza
The adult immunization schedule has grown more complex with the recent introduction of several new vaccines.

2012 National Adult Influenza and Immunization Summit recommended a study to assess the feasibility of implementing adult immunization composite measures to include all recommended adult vaccines.

The IHS and VA worked together to develop Phase I of the Adult Immunization Composite Measure project; IHS to continue to Phase II to evaluate the measure under real-world conditions.
WHY A COMPOSITE MEASURE?

• Provides a broad perspective on the system of vaccination at a facility
  – Rather than a campaign to increase coverage with one vaccine, encourages a systematic approach for all vaccines

• Multiple measures make it challenging to implement broad-based immunization quality improvement activities

• “Composite measures can enhance measurement to extend beyond tracking performance on separate measures and can provide a potentially deeper view of the reliability of the care system”

Guiding Principals:
1. Focus on routine, age-based vaccine recommendations
2. Keep it simple
MANY THANKS

- Hannah Fish, PQA
- Lauren Lemieux, ACOG
- Sam Stolpe, STC
- Sharon Sprenger, Joint Commission

- National Adult and Influenza Immunization Summit and the Quality and Performance Measures Working Group

- Amy Groom, IHS
- Tom Wisner, IHS
- Ernie Moy, AHRQ
- Nancy Wilson, AHRQ
- Michael Daley, NVPO
- Jeff Kelman, CMS
EXTRA SLIDES
The NQF is a nonprofit organization that operates under a three-part mission to improve the quality of American healthcare by:

- Setting national priorities and goals for quality improvement
- **Endorsing national standards for measuring and reporting**
- Promoting the attainment of national goals through education and outreach
# IZ Metrics in Federal Programs

<table>
<thead>
<tr>
<th>Measure</th>
<th>#</th>
<th>Programs</th>
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</thead>
<tbody>
<tr>
<td>Influenza</td>
<td>10</td>
<td>Hospital Inpatient Quality Reporting; Inpatient Rehabilitation Facility; Nursing Home Compare Measures; LTCH Quality Reporting; Home Health Quality Reporting; Medicare Shared Savings Program; Medicaid Adult Core; Health Insurance Marketplaces; Medicare Part C; ESRD QIP</td>
</tr>
<tr>
<td>Flu—Healthcare Professionals</td>
<td>5</td>
<td>Hospital Inpatient Quality Reporting; Outpatient Quality Reporting; Ambulatory Surgical Center Quality Reporting; Inpatient Rehabilitation Facility; LTCH Quality Reporting</td>
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<tr>
<td>Pneumococcal</td>
<td>5</td>
<td>Hospital Inpatient Quality Reporting; PQRS; Nursing Home Compare Measures; Home Health Quality Reporting; Medicare Shared Savings Program</td>
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<tr>
<td>Adolescent IZ Status</td>
<td>2</td>
<td>PQRS; Medicaid CHIPRA</td>
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<tr>
<td>Childhood IZ Status</td>
<td>2</td>
<td>PQRS; Medicaid CHIPRA</td>
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<tr>
<td>HPV in females</td>
<td>2</td>
<td>Medicaid CHIPRA; Health Insurance Marketplaces</td>
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<tr>
<td>Influenza Screening</td>
<td>2</td>
<td>PQRS; Home Health Quality Reporting</td>
</tr>
<tr>
<td>Hepatitis A</td>
<td>1</td>
<td>PQRS</td>
</tr>
<tr>
<td>Pneumococcal Screening</td>
<td>1</td>
<td>Home Health Quality Reporting</td>
</tr>
<tr>
<td>Registry Submission Capability</td>
<td>1</td>
<td>Medicare and Medicaid EHR Incentive: Meaningful Use Stage 2 Core</td>
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# Comprehensive Overview of CMS Quality Programs

<table>
<thead>
<tr>
<th>Hospital Quality</th>
<th>Physician Quality</th>
<th>PAC Quality</th>
<th>Payment Models</th>
<th>Population Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Meaningful use EHR incentive&lt;br&gt; • Inpatient quality reporting&lt;br&gt; • Outpatient quality reporting&lt;br&gt; • Ambulatory surgical centers&lt;br&gt; • Readmission reduction program&lt;br&gt; • HAC payment reduction program&lt;br&gt; • PPS-exempt cancer hospitals&lt;br&gt; • Inpatient psychiatric facilities</td>
<td>▪ Meaningful use EHR incentive&lt;br&gt; ▪ Physician Quality Reporting System (PQRS)&lt;br&gt; ▪ Value-based Payment Modifier (VM)&lt;br&gt; ▪ Maintenance of certification</td>
<td>▪ Inpatient rehabilitation facility&lt;br&gt; ▪ Nursing Home Compare measures&lt;br&gt; ▪ LTCH quality reporting&lt;br&gt; ▪ Hospice quality reporting&lt;br&gt; ▪ Home health quality reporting</td>
<td>▪ Medicare Shared Savings Program (ACOs)&lt;br&gt; ▪ Hospital value-based purchasing&lt;br&gt; ▪ Physician Feedback&lt;br&gt; ▪ ESRD QIP&lt;br&gt; ▪ Innovations Pilots</td>
<td>▪ Medicare Part C&lt;br&gt; ▪ Medicare Part D&lt;br&gt; ▪ Medicaid Adult Core Measures&lt;br&gt; ▪ Medicaid Child Core Measures&lt;br&gt; ▪ Health Insurance Exchange Quality Reporting System (QRS)</td>
</tr>
</tbody>
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NCQA and Performance Measurement

Sepheen Byron, Assistant Vice President, Performance Measurement
Mary Barton, Vice President, Performance Measurement

National Vaccine Advisory Committee
September 20, 2016
Mission
To improve the quality of health care.

Vision
To transform health care through quality measurement, transparency, and accountability.
Defining Quality

The degree to which health services for individuals and populations increase the likelihood of desired health outcomes and are consistent with current professional knowledge.

Institute of Medicine, 1990
## Major Quality Activities & Organizations

<table>
<thead>
<tr>
<th>EVIDENCE DEVELOPMENT</th>
<th>GUIDELINE DEVELOPMENT</th>
<th>MEASURE DEVELOPMENT</th>
<th>MEASURE ENDORSEMENT</th>
<th>IMPLEMENTERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop the evidence base for what is effective treatment</td>
<td>Develop guidelines for practitioners based on evidence</td>
<td>Develop performance measures of adherence to guidelines</td>
<td>Provide assurance that performance measures are evidence-based, methodologically sound</td>
<td>Use measures to improve quality</td>
</tr>
<tr>
<td>Researchers</td>
<td>U.S. Preventive Services Task Force Advisory Committee on Immunization Practices</td>
<td>Federal Agencies e.g., CMS, Health Resources and Services Administration NCQA</td>
<td>National Quality Forum</td>
<td>CMS, NCQA, The Joint Commission</td>
</tr>
</tbody>
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Quality measurement means

- Use of objective measures based on evidence
- Results that are comparable across organizations
- Impartial evaluation and audit
- Public Reporting

NCQA's measures used in programs

- Accreditation of health plans
- Provider groups, ACOs, Marketplaces
- Physician recognition
- State report cards
NCQA Health Plan Accreditation: BASED ON PERFORMANCE

Clinical Performance HEDIS + Patient Experience CAHPS = 50%

Health Plan Systems
Structures and processes critical to accountable health care delivery:
Quality Improvement, Utilization Management, Credentialing,
Member Rights & Responsibilities = 50%

NCQA Accreditation is the only health plan accreditation that requires reporting on clinical performance and audits results
41 States Require or Use NCQA Health Plan Accreditation (May 2016)

Text Version (slide 2)
Performance Measures & Measure Development at NCQA
Desirable Attributes of Measures

Relevance
• Meaningful to all key stakeholders
• Important to enhanced health
• Financial impact of improvement
• Controllable
• Potential for improvement

Scientific Soundness
• Adherence to the evidence base
• Process or structural measures are linked to outcomes
• Validity, reliability

Feasibility
• Precisely specified
• Needed data available and reasonable cost to collect
• Auditable
Measures Development Process

Environmental Scan Guideline Review, Draft Specifications, Feasibility & Reliability Testing, Public Comment, Final Specifications, Implementation & Use

Stakeholder feedback obtained throughout the process
HEDIS Lifecycle

HEDIS Measures Life Cycle

- Selection
- Development
- Public Comment
- First Year Analysis
- Public Reporting
- Evaluation (ongoing)
- Retirement

HEDIS
HEDIS Immunization Measures

• Childhood Immunization Status (by age 2)
  – DPT, polio, MMR etc.
• Immunizations for Adolescents (by age 13)
  – Meningococcal, Tdap, HPV
• Flu Shots for Adults (age 18+)
  – CAHPS survey
• Pneumococcal Vaccination Status for Older Adults (age 65+)
  – Health Outcomes Survey
MEETING OF THE
NATIONAL VACCINE ADVISORY COMMITTEE
September 20, 2016
Pharmacy Quality Alliance

Experience in measure development and the PQA Adult Immunization Task Force

Hannah Fish, PharmD, CPHQ
Associate Director, Education & Communications
Staff Liaison for PQA Adult Immunization Task Force
hfish@pqaalliance.org
Pharmacy Quality Alliance’s Mission Statement:

Improve the quality of medication management and use across health care settings with the goal of improving patients’ health through a collaborative process to develop and implement performance measures and recognize examples of exceptional pharmacy quality.

What is the Pharmacy Quality Alliance?

- PQA is established as a public-private partnership
- Medicare Stars Rating Program for Medicare Part C & D is established
- PQA’s quality measures become part of the Medicare Stars Rating Program
- PQA celebrates its 10th year of developing measures
  - Patient Safety,
  - Medication Adherence
  - MTM (CMR)
  - Mental Health, and
  - Appropriate Use
- Five PQA measures are in the Medicare Part D Stars Rating in 2016

2006

- Medicare Part D Launches

2010

- PQA is established as a public-private partnership
- Medicare Stars Rating Program
- PQA’s quality measures become part of the Medicare Stars Rating Program

2016

- PQA celebrates its 10th year of developing measures
- Five PQA measures are in the Medicare Part D Stars Rating in 2016
Implementation of PQA’s Measures

Medicare Plan Ratings (MA-PD and PDP)
• Star Measures
• Display Measures

Health Insurance Marketplace Quality Rating System

Accreditation Programs
• URAC & CPPA

National Business Coalition on Health
• eValue8

Pharmacies and Health Plans
• EQuIPP

Physician Offices
• IHA of California
• Community Care of North Carolina

Pay-for-Performance Pharmacy Networks
• Inland Empire
• Pharmacy First
• CVS Health/Silverscript

Medicaid Care Coordination Program
• Community Care of North Carolina

Medicare-Medicaid Dual Eligible Pilot
PQA Measurement Development Process

- Measure Concept Idea
- Measure Concept Development
- Draft Measure Testing
- Measure Endorsement
- Measure Update

Measure Advisory Group

Stakeholder Advisory Panels
- Measure Development Teams & Task Forces

General Membership Votes

Measure Update Panel

Quality Metrics Expert Panel (QMEP)

Implementation Advisory Panel (IAP)
- Risk Adjustment Advisory Panel (RAAP)
- Patient & Caregiver Advisory Panel (PCAP)
PQA Adult Immunization (IZ) Task Force (TF)

• First convened June 2014
  - Monthly telephonic meetings to build IZ quality metrics
  - Prioritized measures based on:
    • NVAC recommendations
    • NQF Adult IZ Committee priorities

• Currently 35 members
  - Community pharmacy
  - Public health
  - Health plans
  - Tech vendors
  - MTM specialists
  - Pharmacy association leadership

NVAC: National Vaccine Advisory Committee
NQF: National Quality Forum
IZ TF Measure Concepts

1. Immunization Information System (IIS) Registry Reporting

2. Assessment of Adult Immunization Status in Medication Therapy Management (MTM)
IIS Reporting Measure

• Measure description: The percentage of administered adult vaccinations that are submitted to Immunization Information Systems during the measurement period

• Will use pharmacy claims, medical claims, and IIS data
  - All immunizations; not just ACIP recommended
  - All adults 19 years of age or older

• This performance measure allows payors to determine if providers are appropriately documenting vaccinations that the payor is covering

• Current Status
  - Slated for review by PQA’s Quality Metrics Expert Panel (QMEP) in fourth quarter 2016
  - Measure testing to begin, if approved by QMEP

ACIP: Advisory Committee on Immunization Practice
IZ Status Assessment in MTM

• Measure description: The percentage of adult health plan members who met eligibility criteria for MTM services and received an immunization status assessment within the eligibility period

• Will use MTM billing data and SNOMED CT coding
  - Five (5) immunizations: influenza, pneumo, TDaP, herpes zoster, hep B
  - Patients 19 and older

• This performance measure allows payors to determine if pharmacists are assessing IZ status for beneficiaries

• Current status
  - Slated for review by PQA’s Quality Metrics Expert Panel (QMEP) in fourth quarter 2016
  - Measure testing to begin, if approved by QMEP

• Related measure under development to evaluate gap closure in patient’s immunization histories

SNOMED CT: Systematized Nomenclature of Medicine - Clinical Terms
Immunization Task Force Next Steps

• Complete development of current measure concepts

• Soft reset and relaunch of Task Force
  - Prioritize next measure development effort
  - Kick start measure development process
Pharmacy Quality Alliance:
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National Quality Strategy: How it Works

Stakeholder Types

- State
- Federal
- Private Sector
- Multi Stakeholder Groups

Priorities

- Six quality concerns that affects most Americans
- Patient Safety
- Person-and Family-Centered Care
- Effective Communication and Care Coordination
- Prevention and Treatment of Laddering Causes of Mortality
- Health and Well-Being
- Affordable Care

Levels

Core business functions, resources, and/or actions that may serve as a means for achieving improved health and health care quality

- Measurement and feedback
- Public Reporting
- Learning and Technical Assistance
- Certification, Accreditation, and Regulators
- Consumer Incentives and Benefits Designs
- Payments
- Health Information Technology
- Innovation and Diffusion
- Workforce Development

The Three Aims

- Better Health
- Better Care
- Lower Cost

The National Quality Strategy unites efforts to improve health and health care for all Americans.

Courtesy: Nancy Wilson, AHRQ