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Electronic Health Record (EHR) Data Quality Best Practices for Increased Scientific Acceptability

TEP Web Meeting 3

March 31, 2020



Agenda

- Welcome, Roll Call, and Meeting Objectives
- Environmental Scan Draft 3 Public Comments
- Opportunity for Public and Member Comment
- Next Steps

Welcome, Roll Call, and Meeting Objectives



Project Staff

- Chuck Amos, MBA, Director
- Kathryn Goodwin, MS, Director
- Ngozi Ihenacho, NQF Project Analyst
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TEP Roster

- JohnMarc Alban, MS, RN, CPHIMS
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- Cindy Cullen, MS, MBA, PMP
- John Derr, RPh
- Karen Dorsey, MD, PhD
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- James Langabeer, PhD, MBA
- Jamie Lehner, MBA, CAPM
- Michael Lieberman, MD, MS
- Jacob Lynch, RN-BC
- Jana Malinowski
- James Mcclay, MD, MS, FACEP
- Shelly Nash, DO
- Shea Polancich, PhD, RN
- Stan Rankins, MSIT
- Mike Sacca



Federal Liaisons

- Albert Taylor, MD
- David Kendrick, MD, MPH



Scope and Data Quality

“Data Quality” for this project refers to:

- How well EHR data (structured and unstructured) supports clinical quality measurement, including eCQMs as well as other electronic measurement (such as standardized assessment tools used in PAC)

Data Quality for this project does NOT refer to

- How well EHRs collect data for the primary purpose of supporting delivery of care

“True north” statement:

- *The purpose of this Task Order (TO) is to establish a technical expert panel (TEP) to recommend best practices for improving EHR data in ways that support healthcare performance measures at all phases including measure development, measure endorsement, and implementation.*



Project Timeline

Meeting	Date/Time
TEP Orientation	November 13, 2019, 1:30 pm – 3:30 pm ET
TEP Web Meeting 2	January 14, 2020, 11:00 am – 1:00 pm ET
TEP Web Meeting 3	March 31, 2020, 1:30 pm – 3:30 pm ET
TEP Web Meeting 4	April 29, 2020, 1:00 – 3:00 pm ET
Final Environmental Scan Report	May 19, 2019
TEP Web Meeting 5	June 11, 2020, 11:00 am – 1:00 pm ET
TEP Web Meeting 6	September 9, 2020, 11:00 am – 1:00 pm ET
TEP Web Meeting 7	November 10, 2020, 1:30 pm – 3:30 pm ET
Final TEP Findings and Recommendations Report	December 24, 2020

TEP Web Meeting Objectives

- **Web Meeting 3** – Review final environmental scan results and public comments on the draft scan report
- **Web Meeting 4** – Identify potential best practices to promote data quality
- **Web Meeting 5** – Prioritize best practices, identify roles of standard-setting organizations on promote EHR data quality
- **Web Meeting 6** – Assess NQF's eCQM evaluation criteria and evaluation processes and recommend improvements
- **Web Meeting 7** – Review and respond to public comments on draft recommendations report



Today's Meeting Objectives

- Review comments on environmental scan with TEP
- Open discussion

Environmental Scan Draft 3 Public Comments

Overview of Comments Received

- Comments submitted by one organization/stakeholder group (MITRE)
- Several comments warrant further TEP discussion
 - ▣ Aligning eCQMs with EHR data (pages 6, 9 & 17)
 - ▣ Simulated data and NQF endorsement requirements (page 11)
 - ▣ HL7's new evidence related standards and relevance to NQF's measure evaluation criteria (page 13)



Questions to Consider

- Is this comment relevant to the scope of the environmental scan?
- Should we expand on this topic and should more information be incorporated into the scan?
 - ▣ If so, please discuss.
- Is this relevant to the scope of the recommendations document we'll be discussing beginning with Web Meeting 4?



eCQM Standards Need to Align with EHR Data (pages 6, 9, & 17)

Position: Aligning eCQMs with EHR data is a challenge but is not the whole picture. The source data for eCQMs is rarely actual EHR data but is often derived from source systems which may or may not include EHR data. This source system is usually manipulated in various ways such as:

- ▣ Mapping code systems used at the point of care to code systems used in eCQM
- ▣ Mapping code systems used for billing to code systems used in eCQM
- ▣ Converting unstructured data to eCQM relevant structured data
- ▣ Translations to make measures more executable or optimized for executing on large number of cases. Vendors are not actually implementing directly off of CQL/ELM specification



Simulated data and NQF endorsement requirements (page 11)

Position: NQF currently accepts simulated data (usually produced from CMS Bonnie) as part of NQF's Measure Evaluation Criteria on Feasibility. Other systems have robust ways of creating a higher volume of realistic simulated data. That can be a possible area of improvement for feasibility, but could larger more realistic simulated data be relevant for NQF Scientific Acceptability, especially given the testing challenges? How realistic is “realistic”?



HL7's new evidence related standards and relevance to NQF's measure evaluation criteria (page 13)

Position: HL7's had new evidence related standards such as FHIR Clinical Guidelines ([CPG on FHIR](#)) and [Evidence Base Medicine on FHIR](#). Are these standards efforts relevant to NQF's Measure Evaluation Criteria on evidence or to other challenges EHR based measures face with evidence? Should the scan and recommendations report include more on them?

Open Discussion

Brainstorming for Web Meeting 4

- When considering the current-state described in the environmental scan:
 - ▣ Which gaps in the current state are most critical to address?
 - ▣ Which opportunities are most feasible and will have the greatest impact if they become official recommendations from NQF?
 - ▣ Which opportunities have the most buy in from different stakeholders (e.g. EHR developers, measure developers, health systems) with interest in EHR data quality and eCQMs?
 - ▣ Which opportunities have the least buy in?
 - ▣ If paired, which organizations and opportunities are well-positioned to advance the field?

Opportunity for Public and Member Comment

Next Steps



Next Steps

- **TEP Web Meeting 4: April 29, 2020**
- Final Environmental Scan: May 19, 2020
- **TEP Web Meeting 5: June 11, 2020**
- TEP Findings and Recommendations Draft Report - TEP Review: September 2-16, 2020
- **TEP Web Meeting 6: September 9, 2020**
- 30-day Comment Period on TEP Findings and Recommendations Draft Report: September 30 – October 30, 2020
- **TEP Web Meeting 7: November 10, 2020**
- TEP Findings and Recommendations Final Report: December 24, 2020

Adjourn

THANK YOU.

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