NATIONAL QUALITY FORUM

Scientific Methods Panel Monthly Call Meeting

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March 8, 2018

Welcome, Roll Call, and Review of Meeting Objectives

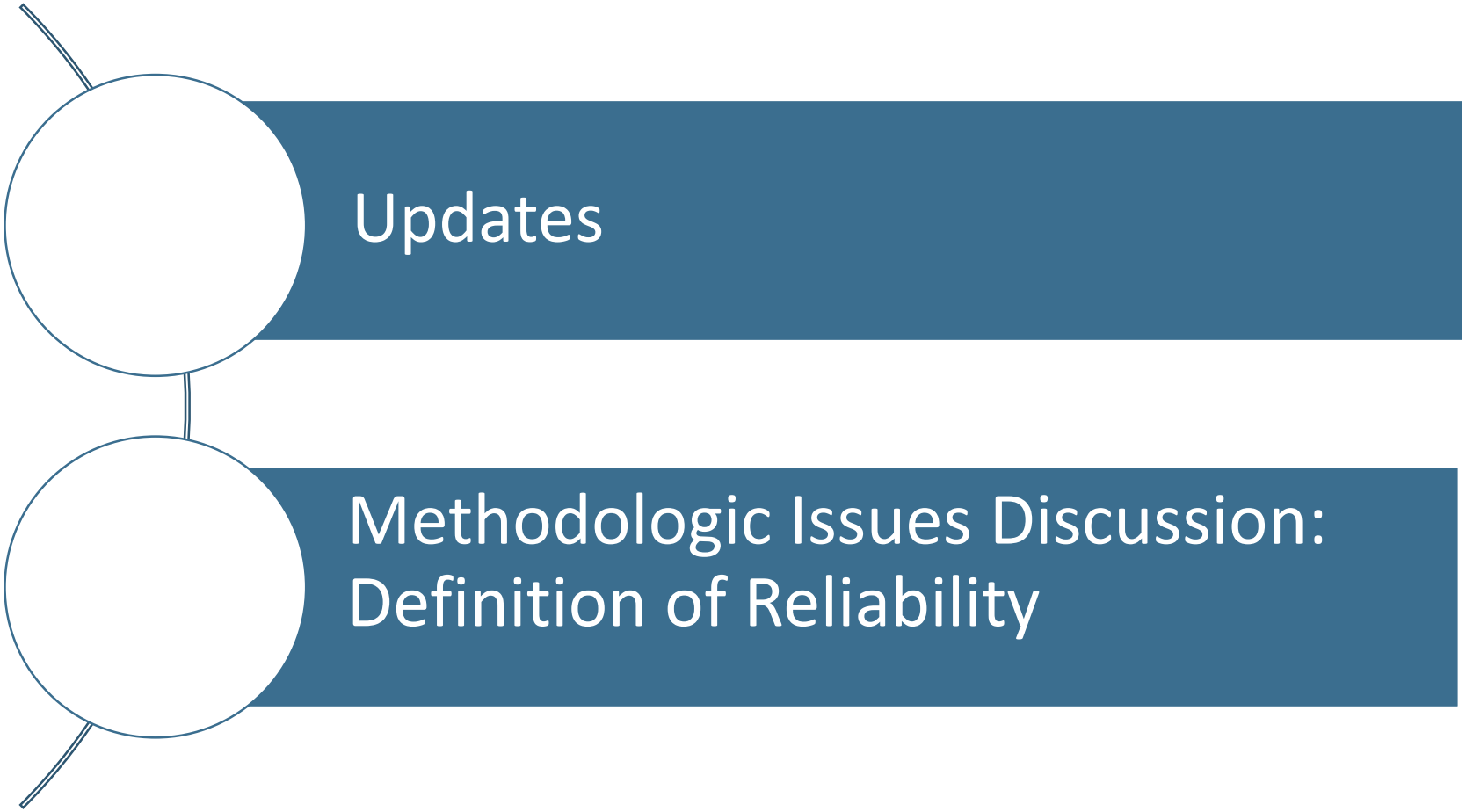
Scientific Methods Panel Members

- David Cella, PhD, (Co-Chair)
- Karen Joynt Maddox, MD, MPH (Co-Chair)
- J. Matt Austin, PhD
- Bijan Borah, MSc, PhD
- John Bott, MBA, MSSW
- Lacy Fabian, PhD
- Marybeth Farquhar, PhD, MSN, RN
- Jeffrey Geppert, EdM, JD
- Paul Gerrard, BS, MD
- Laurent Glance, MD
- Stephen Horner, RN, BSN, MBA

Scientific Methods Panel Members (continued)

- Sherrie Kaplan, PhD, MPH
- Joseph Kunisch, PhD, RN-BC, CPHQ
- Paul Kurlansky, MD
- Zhenqiu Lin, PhD
- Jack Needleman, PhD
- David Nerenz, PhD
- Eugene Nuccio, PhD
- Jennifer Perloff, PhD
- Sam Simon, PhD
- Michael Stoto, PhD
- Christie Teigland, PhD
- Ronald Walters, MD, MBA, MHA, MS
- Susan White, PhD, RHIA, CHDA

Meeting Objectives



Methods Panel Updates

Updates

- In-person meeting on May 16
  - *Topics likely will cover consensus discussions on defining reliability and validity, lessons learned with process to date, potential changes to evaluation criteria, discussion of specific methods.*
- Meeting recording and transcripts are now available
- Subgroup membership and activities fluid: may be revised after the in-person meeting

Methodologic Issue: Defining Reliability

Current Assumptions about Reliability

- There will always be some error in performance measurement
  - *Random error affects reliability; systematic error affects validity*
- Reliability is not an all-or-none property and is instead a matter of degree
  - *Considerations are scope of testing, method used, and results obtained*
- Reliability is not a static property of a measure (it can vary under conditions of implementation)
- Reliability does not guarantee validity

Conceptual Definition of Reliability

- Reliability
  - Repeatability
  - Precision

Current Definitions

- Data Element Reliability
  - *Repeatability and reproducibility of the data elements for the same population in the same time period*
- Measure Score Reliability
  - *Precision: Proportion of variation in the performance scores due to systematic differences across the measured entities (signal) in relation to random error (noise)*

	Repeatability	Precision
Data element	X	
Performance measure score		X

Questions to Consider

- Conceptually, what do we mean (or should we mean) when we say a measure is reliable?
- Why is it important to determine that a measure is reliable?
- Are there facets of reliability that NQF is not capturing, but should?
- If we updated our definitions related to reliability, what would we change? (e.g., additional facets? wording?)
- Do we need to update any of our assumptions about reliability?

Member and Public Comment

Next Steps

- Monthly 1 hour calls
  - *Every 2nd Thursday of the month*
  - *Next call: April 12, 3pm ET*
- In-Person meeting: May 16, 2018
- Contact Information: methodspanel@qualityforum.org

Adjourn