Value Set Harmonization

Value Set Harmonization Committee Meeting

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NATIONAL QUALITY FORUM

Agenda at a Glance

- Welcome and Roll Call
- Project Status - Pilot Harmonization TEP
- Governance and Policy Discussion
- Next Steps

Welcome and Roll Call

NQF Project Staff

- Jason Goldwater
  - Senior Director
- Kathryn Streeter
  - Senior Project Manager
- Ann Phillips
  - Project Analyst
- Chris Millet
  - Consultant
- Jay Lyle
  - Consultant

Value Set Harmonization Committee

- Zahid Butt, MD, FACG (co-chair)
- Michael Lieberman, MD MS (co-chair)
- Howard Bregman, MD, MS
- Chengjian Che, MD
- Christopher Chute, MD, DrPH
- Cynthia Cullen, MS, MBA, PMP
- Ellen Harper, DNP, RN-BC, MBA, FAAN
- Yan Heras, PhD
- Wendy Hofner, RN
- Stan Huff, MD
- Matt Humphrey
- Rute Martins, MS
- Robert McClure, MD
- Marjorie Rallins, DPM
- Joseph Schneider, MD, MBA, FAAP
- Ann Smith, RN, BSN, MSHA
- James Tcheng, MD, FACC, FSCAI, FESC
- Nancy Walker, MHA, RHIA

Project Status - Pilot Harmonization TEP

Project Status
Pilot Process for Harmonization

- **Intent**
  - Measure Intent
  - Value Set Intent
- **Overlap, Duplication and Omission**
  - Manual Review
  - Jaccard Analysis
- **Prioritization**
  - Identified overlap
    - Distinct – Harmonization may not be needed
    - Significant Overlap – Harmonization is needed
    - Ambiguous – more information needed to determine of harmonization is needed
- **Recommendation for Harmonization**
  - Why is a change recommended?
  - What improvements will result from this change?

Project Status
Harmonization of Behavioral Health Value Sets

- Jaccard analysis was performed on SNOMED value sets associated with diagnosis in behavioral health measures. Some behavioral health value sets were also found in VTE and in three measures focused on ED arrival and discharge timing.
- Three distinct groups of value sets were identified as having a Jaccard index of over .49
- Each distinct group contained 3 to 4 value sets that described a similar focus or intent
- The Technical Expert Panel analysis was informed by a worksheet that identified the value sets and their members, described measure and value set intent and provided detail as to which value set members were missing or overlapping in each group of value sets

Results of Technical Expert Panel Discussion

- Overall, the TEP recommended harmonization.
- The major reason for harmonization: there was significant overlap across value sets, inconsistent exclusion of value set members from value sets with similar purpose and intent.
- The major reason for not harmonizing: Value Set Stewards would need to comment on the exclusion of specific value set members

Measures Containing Value Sets Associated with Behavioral Health

- **CMS160v4 Depression Utilization of the PHQ-9 Tool – MN Community Measurement**
- **CMS159v4 Depression Remission at Twelve Months - MN Community Measurement**
- **CMS32v5 Median Time from ED Arrival to ED Departure for Discharged ED Patients - CMS**
- **CMS111v4 Median Admit Decision Time to ED Departure Time for Admitted Patients - CMS**
- **CMS55v4 Median Time from ED Arrival to ED Departure for Admitted ED Patients - CMS**
- **CMS169v4 Bipolar Disorder and Major Depression: Appraisal for alcohol or chemical substance use - CMS**

Measures Containing Value Sets Associated with Behavioral Health

- **CMS2v5 Preventive Care and Screening: Screening for Clinical Depression and Follow-Up Plan - CMS**
- **CMS108v4 Venous Thromboembolism Prophylaxis - TJC**
- **CMS190v4 Intensive Care Unit Venous Thromboembolism Prophylaxis - TJC**
- **CMS136v5 ADHD: Follow-Up Care for Children Prescribed Attention-Deficit/Hyperactivity Disorder (ADHD) Medication - NCQA**
- **CMS128V4 Anti-depressant Medication Management - NCQA**
- **CMS161v4 Adult Major Depressive Disorder (MDD): Suicide Risk Assessment – AMA PCPI**
- **CMS177v4 Child and Adolescent Major Depressive Disorder (MDD): Suicide Risk Assessment – AMA PCPI**

Next Steps for Value Set Harmonization

- Coordination between Value Set and Measure Stewards for harmonization
- Determine process – how is value set harmonization implemented in the VSAC?
- Determine timing – during annual update?

Ground Rules for the Evaluation of "Straw-Man" Governance Proposals: Sample Proposal

General Ground Rules

- How to Define and Use High Quality Value Sets
- Methodology for Development of Value Sets
- Principles to Maintain High Quality Value Sets
- Maintain Value Set Harmonization
- Encourage use of High Quality and Harmonized Value Sets
  - Relationship to Measure Development
  - Recommendations for NQF Endorsement
  - Relationship to CMS Programs

Compare Proposals Using Ground Rules

	Proposal 1	Proposal 2	Proposal 3	Proposal 4
Define High Quality Value Set				
Maintains Value Set Harmonization				
Supports Measure Development				
Recommendations for Endorsement				
Use in CMS Programs				

Proposal 2 -
“Starter Set Proposal”

Defining High Quality Value Sets

Objective Criteria

- Automatically Checked by VSAC
  - Proper Technical Use of Code Systems
  - Value Set Purpose is Present and Complete

Defining High Quality Value Sets

Subjective Criteria

- Code System Fit
  - Does the Value Set use code systems consistent with the latest ONC Standards advisory?
  - Is the code system being used properly for Value Set purpose? *(i.e. using drug class vs. brand name in RxNorm for Medications)*
- Is the Value Set Purpose Clearly Described?
- Are Value Set Members Consistent with the Value Set Purpose?
- Does the Value Set Conflict with Other High Quality Value Sets?

Defining High Quality Value Sets

Subjective Criteria

- Evaluated by a TEP
  - TEP meets monthly to review
    - *newly submitted value sets*
    - *expired High Quality VS (in the future)*
  - Provides ample opportunity to support new Value Set/eCQM development

Defining High Quality Value Sets

Subjective Criteria

- Evaluated by a Technical Expert Panel
  - Technical Expert Panel comprised of:
    - *Experts in domain area of all Value Sets being reviewed*
    - *Experts in all code systems used in Value Sets being reviewed*

Defining High Quality Value Sets

Approval Process for New Value Sets

- Stewards Submit Value Sets for "High Quality Value Sets" Approval in VSAC
  - Value Set Stewards
    - Can be CMS, measure stewards, speciality societes etc.
    - Most likely will be eCQM stewards and developers

Defining High Quality Value Sets

Maintenance of High Quality Value Sets

High Quality Approval Expires:

- Automatically
  - When underlying code system updates impact value set members*
  - Manually when a “challenge” is submitted to VSAC

**should not matter if Value Set is intentional or extenstional*

Supports Measure Development

- **High Quality Value Sets Distinguishable in VSAC for Measure Developers**
- **Measure/Value Set Developers Can Submit Value Set for "High Quality Approval"**
- **Measure Developers Can Challenge High Quality Approval**
  - Challenges Must be Based on an Approval Criterion that is Not Met

Recommendations for Endorsement

eCQMs Evaluated for NQF Endorsement or Trial Approval must use High Quality Value Sets

- All Value Sets must have *Submitted, Expired*, or *Challenged* Status
- Value Sets Remain in *Expired* or *Challenged* Status During Measure Review; Measure Developers Present to NQF Committees on Status Impacts to Feasibility

Promoted by CMS Programs

Use of eCQMs in CMS Programs

- Rely on NQF Endorsement to check for use of High Quality Value Set and Value Set Harmonization issues
- Prevents re-evaluating acceptability of Value Sets instead of whether or not eCQM is a good fit for a program

Next Steps

- **Value Set Harmonization Committee Webinars**
  - October 19, 2015
- **In Person Meeting**
  - November 10, 2015
- **Public Comment on Draft Report**
  - December 1, 2015
- **Post Comment Call**
  - January 21, 2016

Project Contact Info

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THANK YOU!