QDM User Group
Kick-off Meeting
September 7th, 2012

Agenda

9:00	**Welcome** *Caterina Lasome, PhD, RN Co-Chair of QDM Subcommittee to HITAC* *Rosemary Kennedy , PhD, RN, FAAN Vice President of Health IT for NQF*
9:10	**Call to Action/ Charge to the Group** *Chris Millett and Juliet Rubini, NQF*
9:50	**Action Items** *Future meeting schedule*
10:00	Adjourn

QDM User Group

- The goal of the QDM User Group is to create a common forum for front line QDM users to meet, share best practices, and provide/validate requirements for the QDM

Agenda

- QDM Update - Enhancement Requests

- Meaningful Use (MU) Stage 2 Learning(s) to date (as they pertain to the QDM)

- Proposed QDM Simplification

- Next Steps

QDM Simplification

Challenges

- We need a version to use in the upcoming HQMF IG ballots

- Obvious choices are either:

  - QDM in the MAT (8/20 release)
    - » Known implementation issues

  - June 2012
    - » Not implemented and doesn't incorporate lessons learned during MU2 testing activities

- Proposed option: New Simplified QDM

Simplified QDM Goals

- Map cleanly to HQMF release 2 and QRDA/CDA
  - Data elements can use many existing QDM Data type and QDM attribute patterns
- More human readable
- Address concerns with ambiguous interpretation
- QDM for post MU2 eMeasure development
  - MU3
  - Clinical Decision Support rules

Example of QDM Current State

- **Initial Patient Population =**
  - AND:
    - » OR: "Diagnosis, Active: Cystic Fibrosis" starts before or during ("Occurrence A of Procedure, Performed: ABX Tune-up - Pediatric" during "Measurement Period")
    - » OR:
      - *AND: "Occurrence A of Encounter, Performed: Pediatric Inpatient Hospital Visit" during "Measurement Period"*
      - *AND: "Occurrence A of Procedure, Performed: Chest Physiotherapy-Pediatric " <= 30 day(s) starts before or during "Occurrence A of Encounter, Performed: Pediatric Inpatient Hospital Visit "*
      - *AND: "Occurrence B of Procedure, Performed: Chest Physiotherapy-Pediatric " <= 30 day(s) starts after end of "Occurrence A of Encounter, Performed: Pediatric Inpatient Hospital Visit "*
      - *AND: "Diagnosis, Active: Cystic Fibrosis" starts before or during ("Occurrence A of Encounter, Performed: Pediatric Inpatient Hospital Visit " during "Measurement Period")*
    - » OR:
      - *AND: "Occurrence A of Encounter, Performed: Home Health Visit" during "Measurement Period"*
      - *AND: "Occurrence A of Procedure, Performed: Chest Physiotherapy-Pediatric " <= 30 day(s) starts before or during "Occurrence A of Encounter, Performed: Home Health Visit "*
      - *AND: "Occurrence B of Procedure, Performed: Chest Physiotherapy-Pediatric " <= 30 day(s) starts after end of "Occurrence A of Encounter, Performed: Home Health Visit "*
      - *AND: "Diagnosis, Active: Cystic Fibrosis" starts before or during ("Occurrence A of Encounter, Performed: Home Health Visit " during "Measurement Period")*

- **Denominator =**
  - AND: "Initial Patient Population"

- **Denominator Exclusions =**
  - None

- **Numerator =**
  - AND: "Risk Category Assessment: Wong-Baker FACES Pain Assessment Tool (result)" during
    - » OR: "Occurrence A of Procedure, Performed: ABX Tune-up - Pediatric "
    - » OR: "Occurrence A of Encounter, Performed: Pediatric Inpatient Hospital Visit "
    - » OR: "Occurrence A of Encounter, Performed: Home Health Visit "

- **Denominator Exceptions =**
  - None

Example of proposed Simplified QDM

Initial Patient Population = All patients who have all of the following criteria:

1   Patients who have one of the following criteria:

   1.1   Patients who have all of the following criteria:

      1.1.1   **ABX Tune-up** = any performed procedure (defined by "ABX Tune-up - Pediatric" value set) that meets all of the following criteria:

         1.1.1.1   start date of performed procedure (defined by "ABX Tune-up - Pediatric" value set) that occurs between measurement period start date and measurement period end date

      1.1.2   Patients who have one of the following criteria:

      1.1.2.1   any Active Diagnosis (defined by "Cystic Fibrosis" value set) that meet all of the following criteria:

         1.1.2.1.1   end date of active diagnosis is null

         1.1.2.1.2   any Active Diagnosis (defined by "Cystic Fibrosis" value set) that meet one of the following criteria:

            1.1.2.1.2.1   start date of Active Diagnosis (defined by "Cystic Fibrosis" value set) that occurs between start date of **ABX Tune-up** and end date of **ABX Tune-up**

            1.1.2.1.2.2   start date of Active Diagnosis (defined by "Cystic Fibrosis" value set) that occurs before start date of **ABX Tune-up**

How it works

- Numbered and ordered criteria

- Statements = 1 line of the measure logic

- Set = result of evaluating one statement

  - Data element, value, or a set of data elements or values

- Variables to allow meaningful references to any set used across statements (no more occurrence a, b, etc)
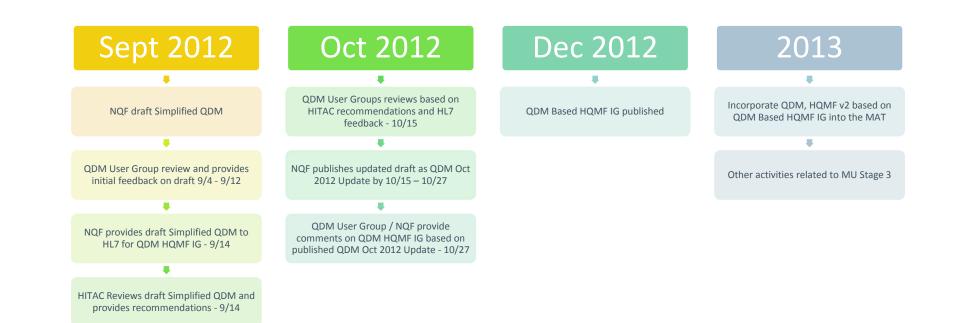
Data Elements

- Still leverages existing QDM data element structure (category, state, attributes)

    - Category is defined by value sets

    - State is defined in xml pattern

- Active diagnosis (defined using "abc" value set)

- Administered medication (defined using "xyz" value set)

Attributes

- Attributes defined explicitly in logic

  - *Result* of Risk Category Assessment is in "abc" value set

  - *Result* of performed lab test is greater than 4 mL

  - *onset date* of active diagnosis occurs after measurement start date

  - *datetime* of discharge diagnosis occurs after end *date* of performed procedure

Timeline - Proposed

Sept 2012	Oct 2012	Dec 2012	2013
NQF draft Simplified QDM	QDM User Groups reviews based on HITAC recommendations and HL7 feedback - 10/15	QDM Based HQMF IG published	Incorporate QDM, HQMF v2 based on QDM Based HQMF IG into the MAT
QDM User Group review and provides initial feedback on draft 9/4 - 9/12	NQF publishes updated draft as QDM Oct 2012 Update by 10/15 – 10/27		Other activities related to MU Stage 3
NQF provides draft Simplified QDM to HL7 for QDM HQMF IG - 9/14	QDM User Group / NQF provide comments on QDM HQMF IG based on published QDM Oct 2012 Update - 10/27		
HITAC Reviews draft Simplified QDM and provides recommendations - 9/14			

Action Items

- Future meeting schedule – Doodle to be sent out after this meeting to set up next meeting

- Send any outstanding QDM issues to Juliet Rubini at
  - » jrubini@qualityforum.org
  - » Send by September 20th