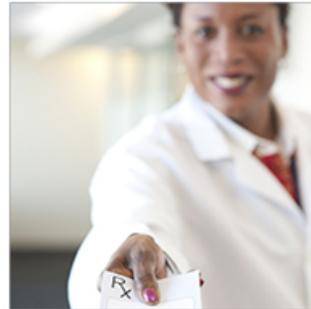


Quality Data Model (QDM)

User Group Meeting

February 19, 2014 • 1:00–3:00 p.m. EST



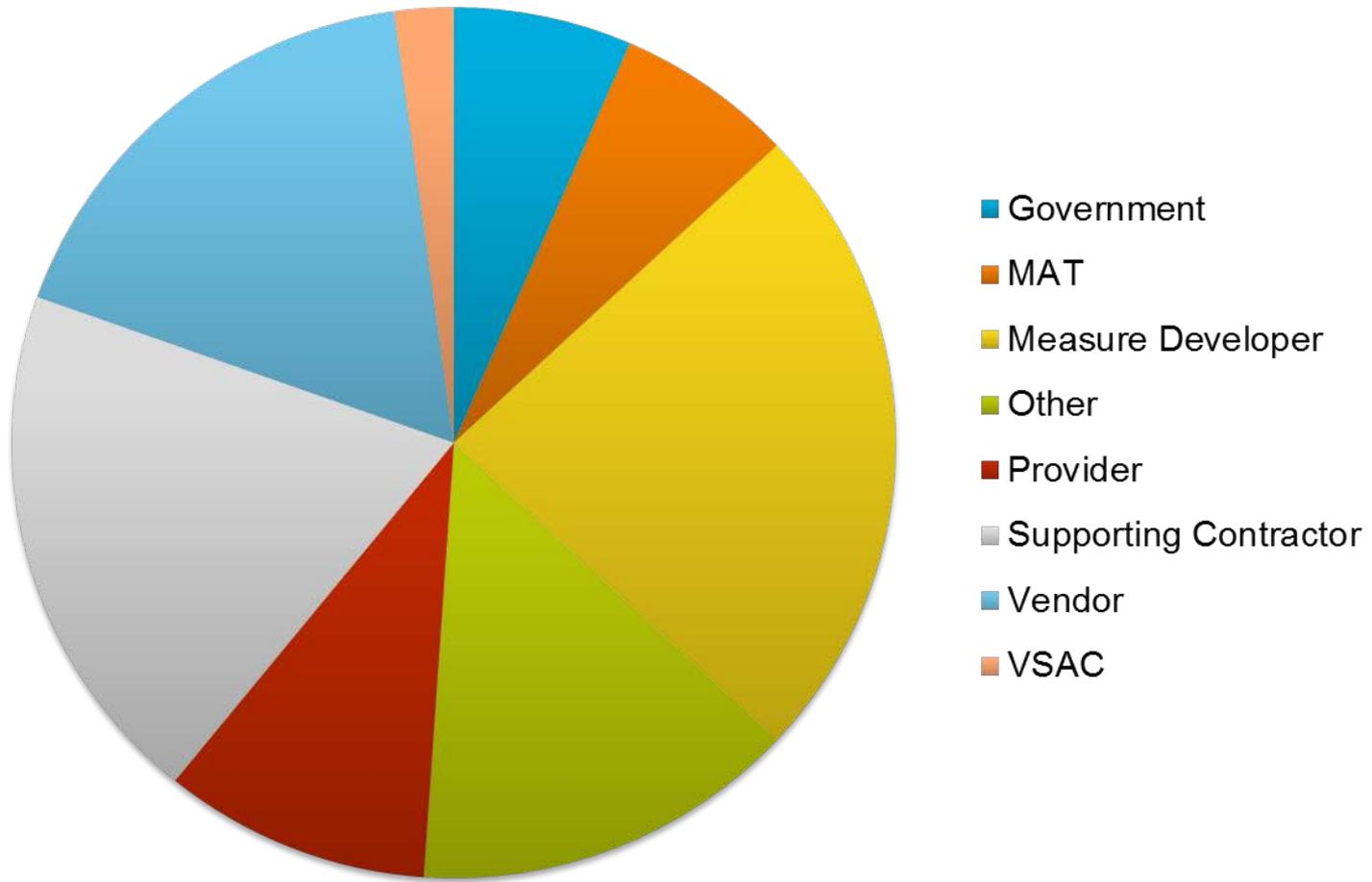
Welcome and Agenda

- **Participants**
- **Support**
- **Transition**
- **Governance**
- **Issue review**
- **QDM webinar questions**
- **Next steps**

List of Participating Organizations

- Accenture
- Adventist HealthCare
- Allscripts
- American Board of Internal Medicine
- American College of Emergency Physicians
- American College of Rheumatology
- American Hospital Association
- American Medical Association
- Arbor Research Collaborative for Health
- Brockton Neighborhood Health Center
- Centers for Medicare and Medicaid Services
- CFCM
- Charter
- CSC
- Deloitte Consulting
- eCare Informatics
- Epic
- Florida Medical Quality Assurance, Inc.
- GE
- HCA Healthcare
- Ion Informatics
- Lantana
- Mathematica Policy Research
- McKesson
- Medent
- Medhost
- MEDITECH
- MD Partners
- Medisolv
- Memorial Hermann Hospital System
- MITRE
- National Committee for Quality Assurance
- National Library of Medicine
- Northwestern University
- National Quality Forum
- Oklahoma Foundation for Medical Quality
- Optum
- Office of the National Coordinator for HIT
- Practice Fusion
- RAND Corporation
- Revolution EHR
- Rush University Medical Center
- Siemens
- Spencer Hospital
- St. Matthew's School of Medicine
- Telligen
- The Carolinas Center
- The Joint Commission
- Vipa Health
- West Penn Allegheny Health System
- Warren Associates
- WVMI & Quality Insights
- Woodstock Health Information & Technology

QDM User Group Participants as of February 18, 2014: 94



QDM Support

- **CMS directs the QDM, in conjunction with its federal partner, ONC**
- **The process to vet all updates and changes to the QDM are now being stewarded by The MITRE Corporation**
- **Changes and general inquiries will be managed through the QDM issue tracker in JIRA, a system for tracking updates**
 - Location: <http://jira.oncprojecttracking.org/browse/QDM>
 - New to JIRA? Visit the URL above to request an account
- **The QDM issue tracker documents the NQF backlogs, MITRE recommendations and QDM-related issues identified in other JIRA projects.**

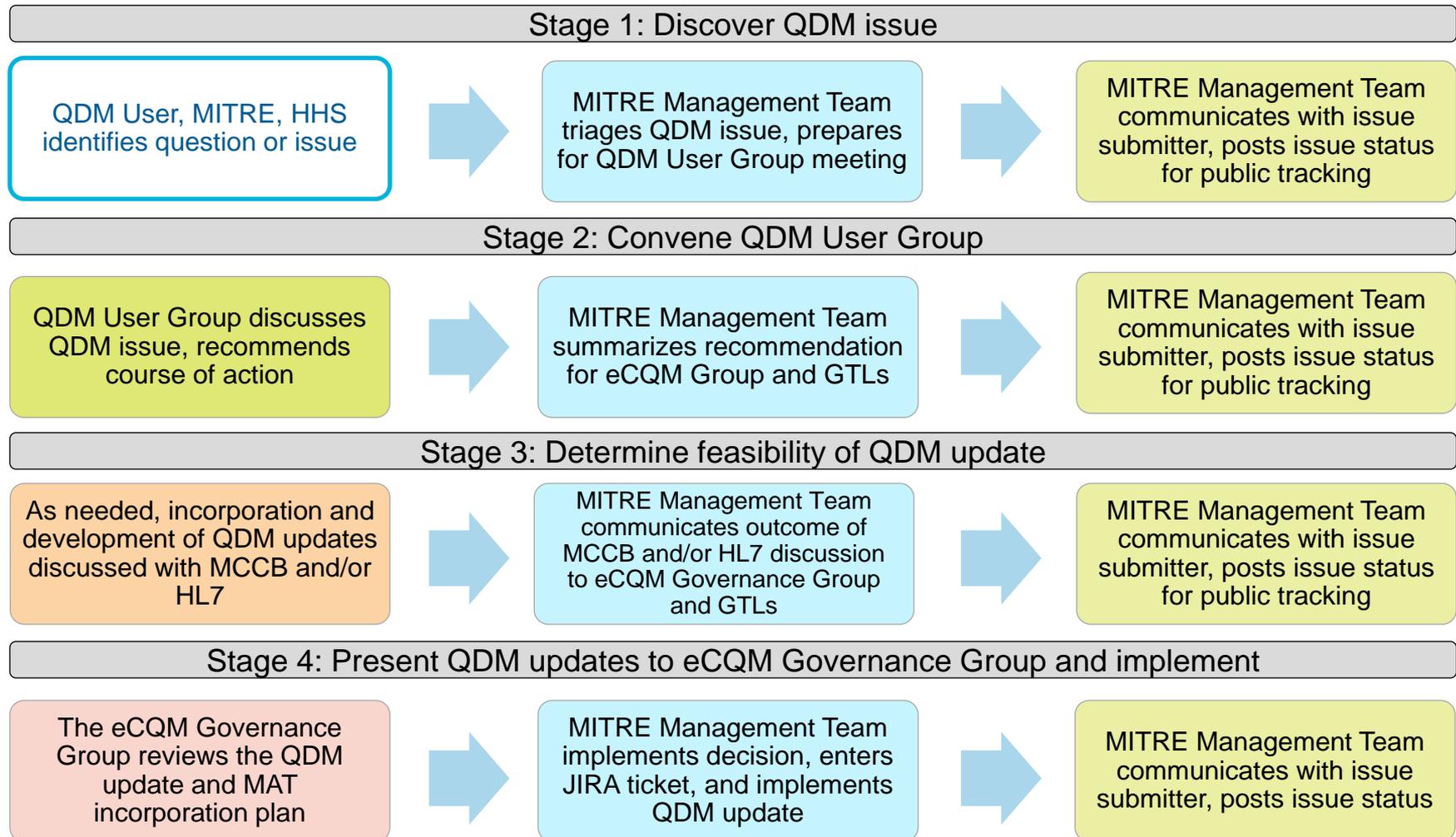
QDM Transition: Prior to December 31, 2013

- **December 2013 updates included:**
 - Definitions for each category and data type
 - Where possible, definitions provided for each data type/attribute combination
 - Split of the attribute anatomical structure into anatomical focus site and an anatomical location site
 - Removal of timing and general relationships
 - Addition of the attribute negation rationale to the data type Medication, Discharge
- **The December 2013 QDM version is hosted on the HealthIT.gov site (www.healthit.gov/quality-data-model)**
- **MITRE worked with CMS, ONC, and NQF to prioritize the backlog of existing issues**

QDM Transition: Post December 31, 2013

- **In January, 2014, MITRE delivered recommendations for the next generation of improvements, encompassing:**
 - Areas to restructure or clarify the QDM’s organization
 - A process for continual QDM assessment, including:
 - Compatibility with necessary tools and standards
 - Avoiding gaps and ambiguity
 - Increasing quality
 - Reducing delivery time/cost
 - Increasing stakeholder satisfaction
 - Preserving alignment with the mission
 - A plan for QDM development
 - A one-year rolling development plan for QDM on “*blocking*” issues, MU Stage 3 enhancements, MAT, VSAC, Bonnie developments, and alignment with scheduled changes to standards

Draft QDM Governance Process



QDM Governance

- **QDM User Group**
 - Review change requests
 - Provide input on the merit of the proposed change
 - Contribute expertise to represent a change request for the eCQM Governance Group
- **Measure Authoring Tool Change Control Board (MCCB)**
 - Review and provide consultation about implementation of QDM updates that QDM User Group recommends
- **eCQM Governance Group**
 - Propose, review, and approve decisions about all aspects of electronic quality measure specification
- **MITRE Management Team**
 - Vet and triage all QDM change requests
 - Facilitate QDM User Group meetings
 - Manage QDM User Group relationship to eCQM
 - Present QDM User Group recommendations to the eCQM Governance Group
 - Facilitate relationship to eCQM community, including MCCB

**QDM User Group Charter
is in development**

Monthly QDM User Group Meetings

- **Schedule:**

- Wednesday, February 19: 1:00–3:00 p.m. ET
- Wednesday, March 5: 1:00–3:00 p.m. ET
- Wednesday, March 19: 1:00–3:00 p.m. ET
- Wednesday, April 16: 1:00–3:00 p.m. ET
- Wednesday, May 21: 1:00–3:00 p.m. ET
- Wednesday, June 18: 1:00–3:00 p.m. ET

- **To register and participate in each meeting, visit <http://www.healthit.gov/newsroom/events>**

Recommendation Drivers

- **Next two slides contain recommendations to enhance the QDM**
- **All recommendations could have a positive impact on MU3 development**
- **The starred recommendations are MUST HAVE or REALLY NICE TO HAVE for MU3 (for discussion)**
- **MU2 measures can take advantage of new enhancements available for the 2015 update cycle**

Analysis & Recommendations

ID	Priority	Source	Description
1	-	Backlog	Improve the way gestational age is modeled [QDM-23]
2	-	Backlog	Allow patient-reported data as a source [QDM-24]
3	-	Backlog	Allow a way to reference the components of a referral [QDM-25]
4	-	Backlog	Remove “result” datatypes [QDM-26]
5	★	New	Timing Operators: Overlaps [QDM-1]
6	-	New	Timing Operators: Within [QDM-2]
7	-	New	Timing Operators: Initiates/Terminates [QDM-3]
8	-	New	Subset Operators: Count True [QDM-5]
9	-	New	Subset Operators: Count Unique [QDM-6]
10	-	New	Subset Operators: Index(n) [QDM-7]
11	★	New	Data Reference Enhancement: Age At [QDM-12]
12	-	New	Data Reference Enhancement: Calendar Months [QDM-13]
13	-	New	Data Reference Enhancement: Episode of Care [QDM-14]
14	-	New	Set Operators [QDM-9]
15	★	New	Variable Assignments [QDM-8]

Analysis & Recommendations (2)

ID	Priority	Source	Description
16	★	New	Satisfies All/Any Selectors [QDM-4]
17	★	New	Inline Comments [QDM-10]
18	-	New	Parameterized Definitions [QDM-11]
19	-	New	QDM Document Clarity: Data Element Clean-up [QDM-19]
20	★	New	QDM Document Clarity: Reintroduce Operators Definition [QDM-20]
21	★	New	QDM Document Clarity: Incorporate Logic Guidance Time Definitions [QDM-21]
22	-	New	Cannot Find Events That Are Closest in Time [QDM-15]
23	★	New	Address Cumulative Medication Duration Calculation [QDM-16]
24	★	New	Add “Starts After or Concurrent” Temporal Operator [QDM-17]
25	-	New	Add operator to Measure Relative Event Spacing [QDM-18]
26	-	New	Handle Multiple Concurrent Antipsychotics in Children [QDM-27]
27	-	New	Add “Is A” Operator to Support Stratifications [QDM-28]
28	-	New	Provide Guidance for Application of “During” Operator [QDM-32]
29	-	New	Unable to Determine if Events Are Correlated [QDM-33]

Closing the Loop: Webinar Questions

- **How can I join the QDM User Group?**
 - Request membership via an email to QDM@mitre.org
- **Where will the recording / slides of the webinar be published?**
 - Slides are published: <http://www.healthit.gov/quality-data-model>
- **Have you swept the existing Jira tickets for issues related to QDM?**
 - Yes, we've searched for QDM-related issues and added them to our issue tracker
 - Please contact us at QDM@mitre.org if we've missed any
- **The QDM December 2013 is incomplete...**
 - We've identified tasks to improve incomplete documentation (TBDs, etc.)
 - If you have asked a question that has not been addressed, please contact us at QDM@mitre.org
- **How do I find out more about the standards harmonization effort?**
 - MITRE will lead a new S&I Framework initiative (more info as it becomes available)
 - HL7 CQI: <http://www.hl7.org/Special/committees/cqi/>
 - HL7 CDS: <http://www.hl7.org/Special/committees/dss/>

Next Steps

Thank you

Next QDM User Group meeting: March 5, 2014 1:00–3:00 p.m.

**For questions, comments, or additional information,
email QDM@mitre.org**