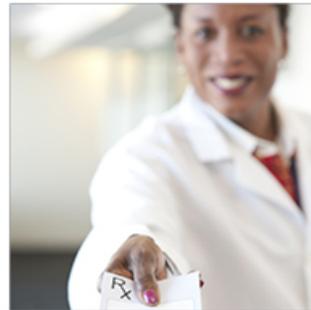


Quality Data Model (QDM)

Current Status and Trajectory

February 6, 2014



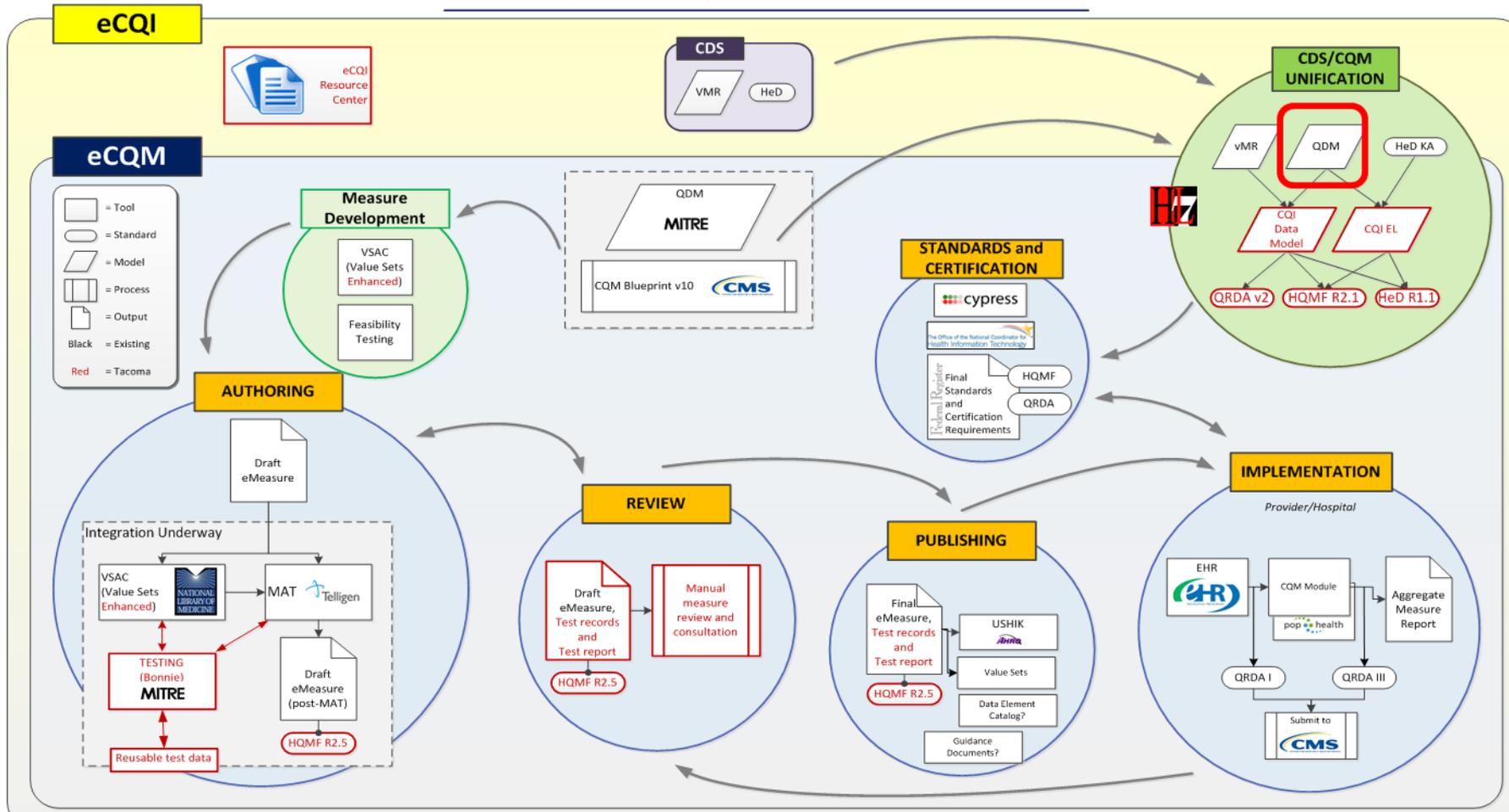
Welcome and Agenda

- **Quality Data Model (QDM) introduction**
- **Support of the QDM**
- **QDM updates: two phases**
- **QDM participation**
- **Question and Answer session**

Quality Data Model (QDM) Introduction

- Enables expression of performance measurement data for electronic measurement
- The backbone for representation of quality criteria used in clinical guidelines, Clinical Quality Measures (CQMs), and Clinical Decision Support (CDS)
- Describes clinical concepts in a standardized format to enable electronic quality performance measurement
- Used by stakeholders involved in electronic quality measurement and reporting
- Currently being harmonized with other relevant quality improvement and CDS standards

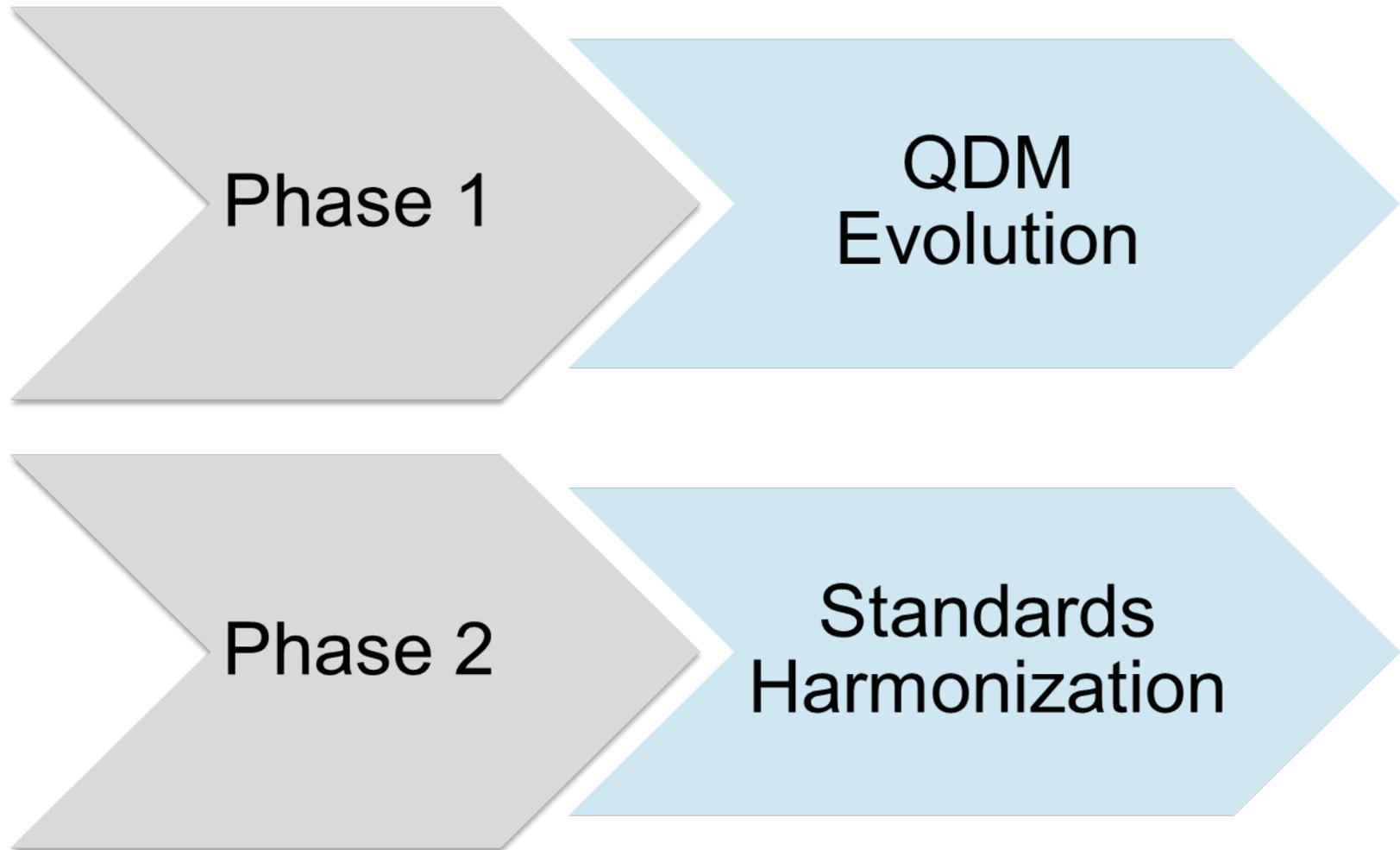
QDM and eClinical Quality Improvement



Support of the QDM

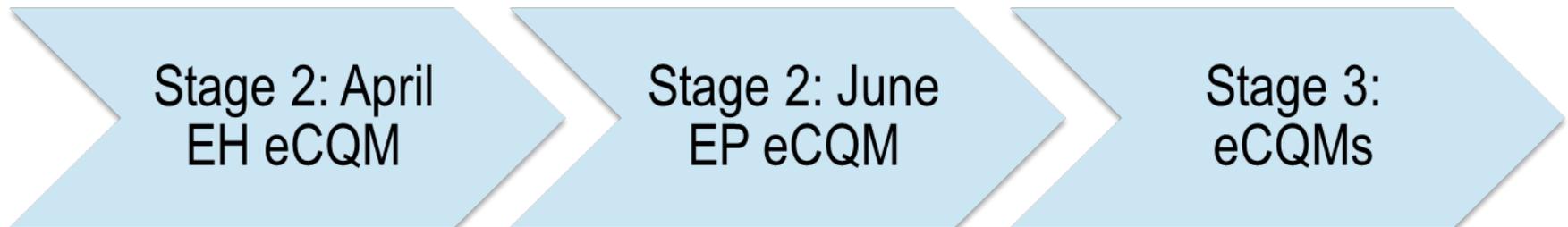
- CMS directs the QDM, in conjunction with its federal partner, ONC
- The process to vet all updates and changes to the QDM is now being stewarded by The MITRE Corporation
- The December 2013 QDM version is hosted on the HealthIT.gov site (www.healthit.gov/quality-data-model)
 - December 2013 updates 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

QDM Updates: Two Concurrent Phases



Phase 1: QDM Evolution

- **Goal: Support eCQM development for Meaningful Use Stages 2 and 3**
- **Plans:**
 - **Short-term:** Support the April Eligible Hospital (EH) and June Eligible Professional (EP) updates for Meaningful Use Stage 2 eCQMs
 - **Long-term:** Address new elements, operators, and functions to support development of Meaningful Use Stage 3 eCQMs



Phase 2: Standards Harmonization

- **Goal: Unified data model and expression language for CDS and eCQMs**
- **Plans:**
 - CQI Data Model that is the union of QDM and vMR
 - CQI Expression language that is the union of QDM and HeD KA Expression Language
 - CQI Common Metadata
 - Align tools with new standards when they are available

Monthly QDM User Group Participation

- **QDM User Group will work through issues and change requests that will inform future QDM updates**
 - A detailed overview of select specific QDM issues will be presented to the broader community
 - Plans for changes that have been approved or planned will be presented
 - Open Q/A session will be provided
- **New change requests and general inquiries on the QDM can be entered using a system for tracking updates (JIRA)**
 - <http://jira.oncprojectracking.org/browse/QDM>
- **Next QDM User Group meeting: February 19, 2014, 1–3 p.m. EST**
 - To register and participate in the meeting, visit <http://www.healthit.gov/newsroom/events>
- **For questions, comments, or additional information regarding the QDM User Group Meeting or the QDM, email QDM@mitre.org**

Open Question and Answer Session

Thank You