MAT & Bonnie User Group

November User Group

Hosted by:
SemanticBits
November 18, 2021

Disclaimer

This meeting is being recorded to ensure notes and action items are captured accurately.

Attendees who have objections to the meeting being recording are asked to let the facilitator know at this time.

Agenda and Objectives

Agenda

1. MAT Updates
2. Bonnie Updates
3. Tool Modernization - MADiE Updates
4. Community Questions & Discussion
5. Review of Resources

Objectives

- Inform MAT & Bonnie users of current and planned activities
- Create a forum to gather community feedback on future enhancements
- Foster Collaboration through open community discussion

Measure Authoring Tool

MAT 6.10 QDM

MAT 6.10 FHIR

Measure Authoring Tool: Current State

MAT 6.10

- MAT 6.10
- Maintenance release on 11/10 included:
  - The Measure Export FHIR Bundles now include nested CQL Libraries. Previously, only the CQL Libraries at the top level were included.
  - The Human Readable export was updated to only include the Measure Observation section in the header when appropriate. Previously, the Measure Observation section was displayed regardless of measure type.
- Release Notes are available on the MAT web site under Training and Resources
- QDM measures continue to use version 1.5.3 of the CQL-ELM translator.
- FHIR measures continue to use version 1.5.4 of the CQL-ELM translator.

Measure Authoring Tool: Future State

Upcoming Maintenance Release:

- A 6.10 maintenance release targeted by end of November
- The CQL and ELM file names in the HQMF will be updated to include model and version [(BonnieMAT-1046)](#)
- The final release date/time and scope will be shared in the near future

Measure Authoring Tool

Maintenance:

- Maintenance is usually zero down time.
- Any known downtime for maintenance will be communicated to all users via email.

Bonnie

Bonnie 4.3.0 QDM (Prior)

Bonnie 5.1.0 QDM

Bonnie 6.2.1 FHIR

Bonnie Prior: Current State

Bonnie 4.3.0 Prior

- Supports QDM 5.5
- Requested patient conversion defaults implemented
- Users use HARP IDs for authentication
- Group Account functionality is available
- Users will receive a warning after 10 minute of inactivity and logged out after 15 minutes
- Bonnie 4.3.0 Prior maintenance release on 9/8/21
  - Patient conversion functionality re-enabled
  - Milliseconds no longer included in conversion
  - Patient description included in conversion

Bonnie QDM: Current State

Bonnie 5.1.0 QDM

- Supports QDM 5.6
- Supports QDM/CQL to CQL 1.5
- Patient conversion functionality disabled until a future Bonnie QDM release
- Allows users to export and import test patients within Bonnie
- Allows users to delete all test patients for a single measure
- The application timeout has increased from 15 minutes to 30 minutes

Bonnie QDM: Future State

Future Release:

- Next release targeted for late November
- Bonnie 5.1.1 QDM will:
  - Incorporate version 2.3.3 of the CQL Execution Engine ([BonnieMAT-1005](#))
  - Update Bonnie to properly parse ELM files that contain comments ([BonnieMAT-1031](#))
  - Final scope and timing will be shared with all Bonnie QDM users

Bonnie FHIR: Current State

Bonnie 6.2.1 FHIR

- Released 9/27/21
- Allows users to assign cardinality for a subset of attributes. This provides the ability for users to add additional attributes of the same type to a single test patient.
- Includes support for codableConcept values in extensions
- Provides users with the functionality to reference existing resources within a test patient
- Adds Negation Rationale support for medicationRequested, ServiceRequested, and Communication

Bonnie FHIR: Future State

Future Release:

- Next release will be targeted for December
- Bonnie 6.2.2 FHIR will:
  - Incorporate version 2.3.3 of the CQL Execution Engine ([BonnieMAT-1005](#))
  - Update Bonnie to properly parse ELM files that contain comments ([BonnieMAT-1032](#))
  - Increase application timeout from 15 to 30 minutes

Currently Supported Attributes as well as requested attributes are linked on the Bonnie and MAT issue tracker on the summary page:

- https://oncprojectracking.healthit.gov/support/projects/BONNIEMAT/summary

Bonnie

Maintenance:

No planned maintenance currently.

Known Issues:

1. The QRDA export is not correctly reflecting relevant date time. There is no workaround. We don't have plans to address this in Bonnie at this time.
2. For Bonnie FHIR, measures that include stratification are not displaying properly for users to test. There is no workaround at this time. We don't have plans to address this in Bonnie at this time.

MADiE

Development and User Acceptance Testing (UAT) Updates

MADiE Timelines

UAT Preparation:

- Recruitment - MADiE Ambassadors and CMS contracted measure developers
- Technology Set up - MADiE UAT environment will exist behind a firewall, requiring testers to have Zscaler
- Testers will be provided with UAT scripts
- Feedback will be collected using the Bonnie MAT page in ONC Jira

UAT Timelines:

- First UAT release target for January/February 2022
- Drops with incremental adds to features will occur until MVP is achieved
- Additional UAT cycle timelines and scope will be announced in the near future
- Each testing cycle will run for 2 weeks
- MVP for public use targeted for Fall 2022

Minimally Viable Product (MVP)

Key MVP Features:

- Select, Create, Import Measure
- Create Measure Info
- Enter Measure Details
- Utilize Measure Editor (CQL), Reference/Import Libraries
- Create Measure Groups
- Create/Import Patients (limited to importing Bonnie FHIR test patients)

The initial MVP release will not include packaging and measure export features.

- A measure package will no longer be required to begin testing measure logic
- Both authoring and testing features will be included in MADiE, which will allow for measure testing to continue

MADiE Ambassadors and UAT

What's Next?

- Ambassadors are currently meeting with our UI/UX team to review our mockups. If you are an ambassador and don't have a meeting scheduled, please reach out and we can get one set up

- If you would like to participate in MADiE UAT please send an email to sb-mat-help@semanticbits.com. We will then provide you with instructions on how to get set up to UAT

Community Questions & Discussion

User Group Discussion

- Topic suggestions and questions for the User Group can also be submitted through the Bonnie MAT Issue Tracker located here:

  https://oncprojectracking.healthit.gov/support/projects/BONNIEMAT/summary

- Additional questions or comments can be submitted by using the chat feature or raising your hand and we will unmute your line.

User Group Questions

1. Bonnie FHIR - Adding negation rationale to Bonnie FHIR patients - Demonstration

2. [BonnieMAT-1022](#) : Evaluating alternatives for calculating Bonnie Testing Coverage
   - Current State: To achieve 100% coverage, test cases must be written to test all portions of the measure logic.
   - Alternatives approaches for MADie:
     - Community discussion and CMS approval are needed
     - Meaningful calculation and coverage representation
   - Next Steps for future discussion

Resources

Resources for Users

Bonnie and MAT Troubleshooting Guides

- Located on the ONC Jira Bonnie MAT Issue Tracker – Summary page
  - [Bonnie Troubleshooting Guide](#)
  - [MAT Troubleshooting Guide](#)

Tool Release Table

- Located on the MAT Public web site under Training and Resources/MAT Helpful Links
- [Bonnie and MAT Release Schedule](#)

Negation Rationale in Bonnie FHIR

- Located on the MAT Public web site under Training and Resources/Bonnie Helpful Links
- [Bonnie FHIR: How to use Negation Rationale](#)

Resources

MAT Public Website:
https://www.emeasuretool.cms.gov/

MAT 6.10:
https://www.emeasuretool.cms.gov/MeasureAuthoringTool/Login.html

Bonnie 4.3.0 QDM (Prior) (QDM version 5.5):
https://bonnie-prior.healthit.gov/

Bonnie 5.1.0 QDM (QDM version 5.6):
https://bonnie.healthit.gov/

Bonnie 6.2.1 FHIR:
https://bonnie-fhir.healthit.gov/

Bonnie MAT Issue Tracker:
https://oncprojectracking.healthit.gov/support/projects/BONNIEMAT/summary

eCQI Resource Center:
https://ecqi.healthit.gov/