MAT & Bonnie User Group

May User Group

Hosted by:
SemanticBits
May 19, 2022

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. New Meeting Series
2. MAT Updates
3. Bonnie Updates
4. Tool Modernization - MADiE Updates
5. Community Questions & Discussion
6. 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

User Group Meeting Series

New User Group Meeting Series

- Begins with the May User Group on May 19, 2022
- Email communication was sent to all active MAT and Bonnie Users
- eCQI Resource Center – Upcoming Events
- Meeting format to allow for more interaction
- We welcome feedback for topics, agenda items or suggestions for improvement!

Measure Authoring Tool

MAT 6.10 QDM & FHIR

Measure Authoring Tool: Current State

MAT 6.10

- MAT 6.10
- Maintenance release on 4/27/22 included:
  - Update to allow users to continue to successfully authenticate to the VSAC using UMLS API Key
- 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

Maintenance:

- No planned maintenance releases at this time.
- Maintenance is usually zero down time.
- Any known downtime for maintenance will be communicated to all users via email.

Known Issues:

In MAT packages, the primary library file name and ELM/XML and JSON file names to do not align with what is included in the HQMF. File names in the HQMF include the revision number ' .xxx'. The file names in the package do not contain the revision number. The workaround is to rename the file names to match the name referenced in the HQMF. This is currently being evaluated for a future release. (BONNIEMAT-1114)

Bonnie

Bonnie 4.3.0 QDM (Prior)

Bonnie 5.1.1 QDM

Bonnie 6.2.2 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 5.1.1 QDM

- Released into production on 12/3/21
  - Incorporates version 2.3.3 of the CQL Execution Engine ([BonnieMAT-1055](#))
  - Enhances Bonnie to properly parse ELM files that contain comments ([BonnieMAT-1031](#))
- Supports QDM 5.6
- Supports QDM/CQL and CQL 1.5
- Patient conversion functionality will remain disabled

Bonnie FHIR: Current State

Bonnie 6.2.2 FHIR

- Released into production 12/21/21
  - Incorporated version 2.3.3 of the CQL Execution Engine ([BonnieMAT-1005](#))
  - Enhances Bonnie to properly parse ELM files that contain comments ([BonnieMAT-1032](#))
  - Increased application timeout from 15 to 30 minutes

Currently Supported 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.

3. For Bonnie QDM, if the result of any CQL aggregate functions, such as Count, Min, Max, Average, etc, is 0, then Bonnie currently displays 'No Result Calculated'. The Execution Engine is producing the correct results, it is a display issue in Bonnie. This is a display issue only. We don't have a planned release to address this in Bonnie at this time (BONNIEMAT-1096).

4. For Bonnie QDM, when measure observations are used in ratio measures, the measure observation logic is being executed against test cases, even if that test case did not first meet the numerator or denominator criteria. When measure logic cannot be modified, there is no workaround. This will affect the pass rate of the measure. There are not plans to address this in a future release. (BONNIEMAT-1106)

Bonnie and MAT: Future State

All future MAT and Bonnie enhancements or updates will be evaluated for:

- Priority – Is it needed to support CMS contracted measure development work? Does it correct an issue?
- Level of Effort – Does this impact the delivery of MADiE?
- Benefit – Can users complete their work with or without the enhancement?

Any future MAT or Bonnie releases will be communicated to users during User Group, community and stakeholder meetings and via email communication.

MADiE

Development and User Acceptance Testing (UAT) Updates

MADiE Timelines

UAT Timelines:
- Drop 2 of MADiE for UAT was wrapped up on April 22nd.
- Projected releases every two months until the Fall of 2022
- Each testing cycle will run for 2 weeks – access will only be available during the active testing cycles
- MVP for public use targeted for Fall 2022
- Post-MVP release with export functionality targeted for February 2023
- Follow-on releases of MADiE post-MVP will include export capabilities

Interested in participating?
- Individuals interested in testing should send an email to sb-mat-help@semanticbits.com
- System preparation instructions will be provided to gain appropriate access

When submitting tickets...

MAT Tickets

- Indicate the tool type and Measure Model: QDM vs. FHIR
- Attach the measure package if appropriate
- Provide Screenshots of error messages

Bonnie Tickets

- Be sure to indicate tool type: Prior, QDM, FHIR
- Attach the affected test cases and reference them in the ticket by name if possible
- Attach the measure package used with the test cases
- Provide which account was used to test the measure(s)

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.

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

Bonnie 6.2.2 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/