Publicly Accessible Release Schedule

Bonnie & MAT

Exported on 09/07/2021

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You can find Release Notes here: https://www.emeasuretool.cms.gov/training-resources

1 2021 MAT

Date	Version	CQL to ELM Translator	Features
TBD			QDM CQL to ELM Translator 1.5.4 VSAC FHIR R4 APIs
TBD			FHIR CQL to ELM Translator 1.5.4
TBD			Measure Type Updates
09/07/21	6.1.0	QDM 1.5.3 FHIR 1.5.2	• FHIRHelpers includes being removed by unused filtering but is required by Translator • FHIR - The 1st Error returned from the CQL-to-ELM Translator is not displayed in the MAT • Repair CQL Libraries with null Finalized Date • Update URI for CDCREC • CQL Workspace, General Information data is not displayed with syntax error in the CQL
08/09/21	6.1.0	QDM 1.5.3 FHIR 1.5.2	• Implement Bonnie QDM 5.6 Prod Login from MAT (or Hide it) • FHIR: Add Referenced Libraries to HR Export • MAT Deployment support • MAT logout requires multiple attempts • Update MAT Public Facing Site with Release Notes for Q3 Rel1 Release
07/22/21	6.10	QDM 1.5.3 FHIR 1.5.2	• Validate Codes containing "/". Display a clearer error message when VSAC cannot retrieve a code • Correction for CQL Errors Failing to Display on QDM Measure Load in CQL Editor • Now able to add CQL Library in includes section(helper UI) when search is not specific to Library name • FHIR Measures: Do not require that all functions have a parameter • Allow user to create new measure when the CQL library name provided already exists, after they've corrected the library name • Timezone Display on History UI should be UTC • FHIR - Function/Define Return Type no longer disappears on Save for one measure • FHIR - Includes UI: Adding FHIRHelpers no longer adds nonexistent version • Harp support page should display for a revoked user • With FHIR toggle Off, New CQL Libraries create FHIR model

Date	Version	CQL to ELM Translator	Features
06/23/21	6.10	QDM 1.5.3 FHIR 1.5.2	• Support for QDM 5.6 • Move to QDM CQL update • QDM Ratio Measure Enhancements • QDM CV Measure Enhancements
04/01/21	6.04	QDM 1.4.8 FHIR 1.5.2	• Clarifications were added to some warnings and messages • Addressed a FHIR issue of unprintable and other Unicode characters included in FHIR Measures that were preventing packaging. • Changed mySQL8 DB Configuration to allow a larger Unicode character set • MAT uses UTF-8 encoding • FHIR CQL to ELM translator updated to 1.5.2 • QDM CQL to ELM translator updated to 1.4.8 • Still CQL 1.4; No QDM changes; No export artifact changes. • All retrieves are now included in the data requirements when FHIR Measures contain multiple Direct Reference Codes using the same Resource. • Correction to URL used for measure type in JSON and XML FHIR export files • Logging and Configuration changes to improve MAT performance • eCQM ID Generation enhancement

Date	Version	CQL to ELM Translator	Features
3/25/21	6.04	QDM 1.4.8 FHIR snapshot	Emergency MAT 6.04 Performance Release No release notes were needed. An email was sent to all users. Dear Measure Authoring Tool (MAT) Users, Over the last week, there have been several reports of performance issues or slowness when accessing measures in the MAT. To improve performance, a maintenance release of the Measure Authoring Tool will occur at 8AM ET, Friday, March 26th, 2021. The MAT will continue to be available to users during this time. However, we encourage you to save your recent work. The version of the MAT will not change as this is a maintenance release. The MAT can be accessed from the MAT public web site here[1]. The MAT support team will be available to answer questions and to provide user support following the release. Please continue to contact MAT Support through the Bonnie and MAT Issue Tracker here: https://oncprojectracking.healthit.gov/support/projects/BONNIEMAT/summary. Thank you, The MAT Support Team
2/29/21	6.04	QDM 1.4.8 FHIR snapshot	• FHIR Naming Standards • FHIR Export Artifacts Naming Standards • Included Retrieves in FHIR Human Readable export data requirements • Removed a tooltip from the CQL Editor that obscured error message displays

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[1] https://www.emeasuretool.cms.gov/

2 2021 Bonnie

2.1 Bonnie Prior

Date	Version	CQL to ELM Translator	Features
7/19/2021	v4.2.1		• Updating Bonnie Prior to be QDM 5.5
8/11/2021	v4.3.0		• Authenticate with HARP Account • Private Accounts ○ Can only be accessed by one individual • Group Accounts ○ Can be accessed by many individuals • Switching between group accounts and private account • Uploading measures to group accounts and private account • Add/edit patients to groups account and private account • Adding session management to Bonnie ○ Bonnie will time out after 15 min of inactivity ○ A warning message will appear after 10 min of inactivity
8/13/2021	v4.3.0		• Transitioned Bonnie Prior to be Hosted on HCQIS environment
Tentative: 9/8/2021	v4.3.0		• fixes for Patient conversion • Updates to Precision for converted patients • Carrying over Patient description on conversion

2.2 Bonnie QDM

Date	Version	CQL to ELM Translator	Features
1/28/2021	v4.2.1		• Ability to export patients in FHIR patient format • Resolves how attributes of type Ratio display in the user interface • Allows import of measures using the data element 'physical exam, recommended' • Resolves an issue preventing uploading of measures that use HQMF subtemplates
4/1/2021	v4.2.1		• Updates to character encoding so that it matches UTF8 • Connecting to virus scanning service

7/19/2021	v5.0		• Authenticate with HARP Account
			• Private Accounts ○ Can only be accessed by one individual
			• Group Accounts ○ Can be accessed by many individuals
			• Switching between group accounts and private account
			• Uploading measures to group accounts and private account
			• Add/edit patients to groups account and private account
			• Adding session management to Bonnie
			    • Bonnie will time out after 15 min of inactivity
			    • A warning message will appear after 10 min of inactivity
			• Updated to QDM 5.6
			• Updated to CQL 1.5
			• Deleting of Deprecated QDM 5.5 elements and attributes

8/13/2021	v5.0		• Transitioned to be hosted on HCQIS Environment

2.3 Bonnie FHIR

Date	Version	CQL to ELM Translator	Features
1/12/2021	v6.0.1		• Added support for more reference attributes • Added support for modifierExtension attribute • Updated UI design for Extension attribute • Ability to share specific/all test patients across measures
1/28/2021	v6.1.0		• Ability to import FHIR Patient zip exported from Bonnie QDM
2/11/2021	v6.1.1		• Add support for updated FHIR naming standards • Perform calculations to use the end of day when 12/31 is utilized • Alphabetically order dropdown menus
4/1/2021	v6.1.2		• Add support for parsing and calculating Supplemental Data Elements • Note, you must select 'Include Supplemental Data Element Calculation' on measure upload • Additional QI-Core Attribute support • Expanded Character set support • Security updates
8/11/2021	v6.2.0		• Authenticate with HARP Account • Private Accounts ○ Can only be accessed by one individual • Group Accounts ○ Can be accessed by many individuals • Switching between group accounts and private account • Uploading measures to group accounts and private account • Add/edit patients to groups account and private account • Adding session management to Bonnie • Bonnie will time out after 15 min of inactivity A warning message will appear after 10 min of inactivity • Update to FHIR patient upload to allow users experiencing the "File must be a zip file." error to upload FHIR patients. (example ticket BonnieMAT-809) • Add support for additional QI Core attributes i
8/13/2021	v6.2.0		• Transitioned to be hosted on HCQIS Environment

Date	Version	CQL to ELM Translator	Features
Mid September	v6.2.1		Will include: • Link Reference without spawning a card • Allow Encounter.Diagnosis to be a cardinality of 0..* • Allow Observation.component to be a cardinality of 0..* • Allow Encounter.location to be a cardinality of 0..* • Support CodeableConcept in Extension • Support Negation Rationale for communication

3 Prior 2020 MAT Releases

Date	Version	Notes
3/20/20	v5.8.2	
5/6/20	v5.9.0	
6/16/20	v5.9.1	
9/24/20	v6.0 (QDM)	• Various changes to MAT UI. Please refer to the release notes. • MAT 5.9.1 goes away
10/07/20	6.0 FHIR (Beta)	• FHIR (Beta) Only certain users will have access to these features.
10/20/20	v6.01	• HARP URL Updates • VSAC Authentication API Updates • QDM Defect Corrections
10/26/20	v6.02	HARP URL Updates
12/15/20	v6.03	503 Updates

4 Prior 2020 Bonnie Releases

Date	Product	Version	Features
8/4/20	Bonnie	v4.1	
9/15/20	Bonnie	4.1.1	• Security fixes • Rails upgrade • Misc bug fixes
Mid-October 2020	Bonnie Prod and Bonnie Prior	4.1.2	• VSAC Authentication API Updates
Mid-October 2020	Bonnie FHIR	UAT	• Create Patients • Execution (subject to MITRE conversation 7/8)
Early November, 2020	Bonnie FHIR	5.0	• Upload/Update measure • Create Patients • Execution
Q4	Bonnie Patient Conversation	5.1	• Ability to convert patient from QDM to FHIR
12/21/20	Bonnie FHIR	v6.0	