



Measure Authoring Tool 6.04 FHIR

MAT 6.04 FHIR
MAT 6.04 QDM

Release Notes

Scheduled Release 02/11/2021

Feb 11, 2021

The MAT Bonnie Team

MAT 6.04 FHIR

FHIR Measure and Library Updates

MAT 6.04 Release – FHIR Updates Only

Changes Included in this Release:

FHIR Naming Standards – The MAT will Update

eCQM ID:

- A FHIR Measure's eCQM ID has FHIR appended to it: 111 versus 111FHIR
- → For New Measures
- → When QDM Measures are converted, creating new FHIR Measures
- Going forward FHIR Export Artifacts will reflect the new eCQM ID format

MAT 6.04 Release – FHIR Updates Only

FHIR Exports produced by the MAT Reflect new FHIR Naming Standards

- FHIR Export Artifact Folder Names
- FHIR Export Artifact File Names
- Bonnie will work with new File Name Format

No	Artifact	Current Name	Proposed Standard	Examples	File Extension
1	Folder	<u>eCQM Abbreviated Title_MAT Version_Artifacts</u>	<u>eCQM Abbreviated Title-vMeasure Version-Type-Model Version</u>	CMS104-v1-0-FHIR-4-0-1	
2	Human-readable	human-readable (hard coded, constant)	<u>eCQM Abbreviated Title-vMeasure Version-Type-Model Version.html</u>	CMS104-v1-0-FHIR-4-0-1	.html
3	JSON	measure-json-bundle (hard coded, constant)	<u>eCQM Abbreviated Title-vMeasure Version-Type-Model Version.json</u>	CMS104-v1-0-FHIR-4-0-1	<u>.json</u>
4	XML	measure-xml-bundle (hard coded, constant)	<u>eCQM Abbreviated Title-vMeasure Version-Type-Model Version.xml</u>	CMS104-v1-0-FHIR-4-0-1	.xml

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FHIR Naming Standards

What the Measure Developers Must Do to Adhere to Naming Conventions:

Measures and Libraries: Title and Name are editable fields

The MAT will update these fields when we convert a QDM measure or library to FHIR

But For New or Existing FHIR Measures Please:

- Append FHIR to the Abbreviated Title
- Append FHIR to the Name

Example:

QDM: Children who have dental decay or cavities

FHIR: Children who have dental decay or cavities FHIR

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FHIR Naming Standards

- Editable fields the Measure Developer will Maintain

The screenshot displays the 'Cervical Cancer Screening FHIR Draft v1.0.002 (FHIR / CQL)' interface. At the top, there are navigation tabs: 'Measure Details' (active), 'CQL Workspace', 'Population Workspace', 'Measure Packager', 'Clause Workspace', and 'QDM Elements'. Below the tabs, there are buttons for 'Delete Measure' and 'View Human Readable'. The main content area is titled 'General Measure Information' and includes a sidebar with a checklist of fields: Measure Steward / Developer, Description, Copyright, Disclaimer, Measure Type, and Stratification, each with a green checkmark. The main form contains a green success message: 'Changes for the General Measure Information section have been successfully saved.' Below this, there are two input fields: 'Measure Name *' (containing 'Cervical Cancer Screening FHIR') and 'eCQM Abbreviated Title *' (containing 'CervicalCancerScreening FHIR'). Below these are 'Measure Scoring' (set to 'Proportion') and 'Patient-based Measure *' (set to 'Yes'). A red oval highlights the 'Measure Name' and 'eCQM Abbreviated Title' fields. In the bottom right, there is a 'CQL Library Workspace' window for 'CommonNCQAFHIR Draft v0.0.000 (FHIR / CQL)'. It has a sidebar with a checklist: 'Includes', 'Value Sets', 'Codes', 'Parameter', 'Definition', 'Function', and 'CQL Library Editor'. The main area is titled 'CQL Library Workspace > General Information' and contains a green success message: 'CommonNCQAFHIR general information successfully updated.' Below this, there are input fields for 'CQL Library Name *' (containing 'CommonNCQAFHIR') and 'CQL Library Version' (containing '0.0.000'). A red oval highlights the 'CQL Library Name' and 'CQL Library Version' fields.

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QDM to FHIR Conversion Enhancements

When creating FHIR measures in the QDM to FHIR Conversion Process:

- The new FHIR measure will become a separate measure rather than being placed in the QDM measure.
- You will be able to have a draft of the QDM measure and FHIR measure at the same time
- The FHIR measure will adhere to the FHIR naming standards:
 - → eCQM ID will contain FHIR
 - → We will append FHIR to the Name
 - → We will append FHIR to the Abbreviated Title
- Both QDM and FHIR measures have detailed history on who converted and when
- **WE WILL UPDATE THE EXISTING FHIR MEASURES AUTOMATICALLY FOR YOU**

Data Before the Upgrade

Name Meas111	Model	State	
Meas111 draft 2.0	FHIR	Draft	Move into the new FHIR measure
Meas111 version 7.2	QDM	Versioned	
Meas111 version 7.1	QDM	Versioned	
Meas111 version 1.1	FHIR	Versioned	Move into the new FHIR measure
Meas111 version 1.0 (Was converted to FHIR from QDM Meas111 v 7.0)	FHIR	Versioned	Move into the new FHIR measure
Meas111 version 7.0	QDM	Versioned	
Meas111 version 6.0	QDM	Versioned	

Run the Update to move FHIR versions within a QDM measure into a new FHIR Measure

New FHIR Measure

Name Meas111FHIR	Model	State
Meas111 draft 2.0	FHIR	Draft
Meas111 version 1.1	FHIR	Versioned
Meas111 version 1.0	FHIR	Versioned

Remaining QDM Measure

Name Meas111	Model	State
Meas111 version 7.2	QDM	Versioned
Meas111 version 7.1	QDM	Versioned
Meas111 version 7.0	QDM	Versioned
Meas111 version 6.0	QDM	Versioned

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EXAMPLE:

We will move FHIR Versions
created from QDMs into
separate FHIR Measures

Same eCQM ID + FHIR

Same Name + FHIR

Same Abbreviated Title + FHIR

MAT 6.04 Release – FHIR Only

Other Updates included in this Release

- Included Retrieves in FHIR Human Readable export data requirements
- Removed a tooltip from the CQL Editor that obscured error message displays

Questions?

Contact Us!

Create a MAT and Bonnie Issue Tracker here:

<https://oncprojecttracking.healthit.gov/support/projects/BONNIEMAT/summary>