



Measure Authoring Tool Release Notes

Version 4.4.0
February 16, 2016

Table of Contents

ENHANCEMENTS	3
1.1 TWO-FACTOR AUTHENTICATION IMPLEMENTED	3
1.2 LITER UNITS ADDED	3
1.3 HISTORY PAGE HEADER TITLE UPDATED	4
1.4 RISK ADJUSTMENT VARIABLE LIST EXCLUDES CLAUSES USING DATETIMEDIFF	4
1.5 QDM ELEMENT TAB HEADER CHANGE FOR READ ONLY MEASURES	4
1.6 SHORTCUT KEY STROKES UPDATED ON CLAUSE WORKSPACE	5
1.7 VALIDATION FOR COMPARISONS ON MEASURE OBSERVATION POPULATIONS ADDED	5
1.8 VSAC VALUE SET SPREADSHEET UPDATED	5
DEFECTS FIXED	6
2.1 COMPLETE HQMF XML FILE PRODUCED FOR IDENTIFIED ATTRIBUTES	6

Enhancements

Measure Authoring Tool v4.4.0 enhancements are provided below. Where necessary, instructions for using the enhancements are included. Users are also encouraged to view the updated MAT User Guide for more details.

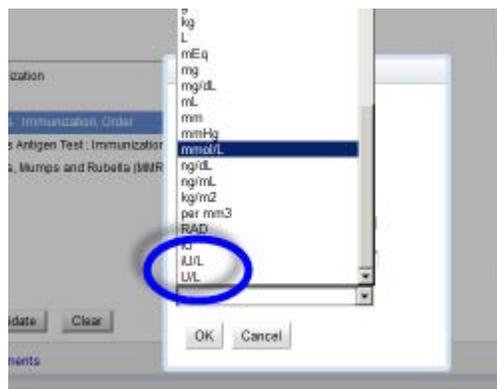
1.1 Two-factor Authentication Implemented

As a maintenance priority for the Measuring Authoring Tool (MAT) development team, two-factor authentication is implemented to protect the MAT and its users from potential security threats. Two-factor authentication requires users to enter two unique identifiers when accessing an online tool. For the MAT, a password and Symantec™ security code are required. All MAT users are required to install at least one Symantec™ VIP Access application to a device of their choosing. This application produces the security code to be used when accessing the MAT. Additional information about setting up Symantec™ VIP Access and registering the corresponding Symantec™ Credential ID is available on the MAT website in a document titled, [Symantec™ VIP Access Setup](#).

1.2 Liter Units Added

The International Liter Units (iU/L) and Liter Units (U/L) are added to the units' dropdown as an option for functions and attributes.

Figure 1 Unit Attributes



1.3 History Page Header Title Updated

On the Measure Library tab, under Measure History, the Log Entry header, Additional Info, is replaced by, Additional Information.

Figure 2 Measure History



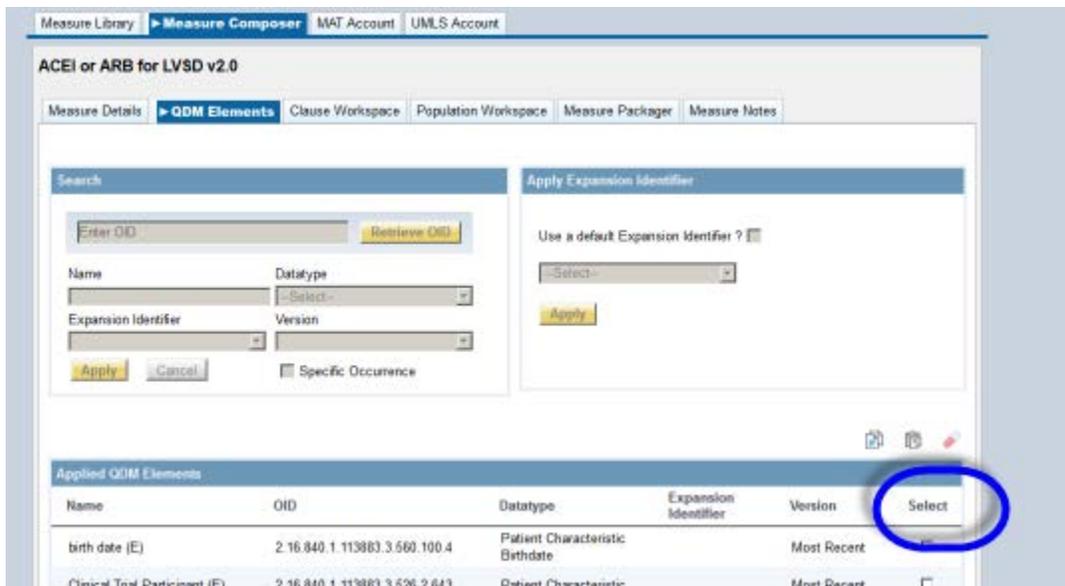
1.4 Risk Adjustment Variable List Excludes Clauses using Datetimediff

Clauses that use the function Datetimediff are no longer displayed in the Risk Adjustment Variable section of the Measure Packager tab.

1.5 QDM Element Tab Header Change for Read only Measures

For Read-only measures, the header title over the check boxes is changed from 'Modify' to 'Select'.

Figure 3 Header in the Applied QDM Elements Section



1.6 **Shortcut Key Strokes Updated on Clause Workspace**

On the Clause Workspace tab, the ability to copy (ctrl + c), cut (ctrl + x) and paste (ctrl + v) with the shortcut keystrokes is available on top nodes of a clause.

1.7 **Validation for Comparisons on Measure Observation Populations Added**

Any function added to the Measure Observation population containing a comparison (equal to; greater than; greater than or equal to; less than or less than or equal to), are prevented if it is in a top node. The validation error message that displays is, “Measure logic is invalid. Contents of the clause logic are not permitted for Measure Observations.”

On the Measure Packager tab, the validation error message that displays is, “Unable to create measure package. Please validate your measure logic in the Population Workspace.”

1.8 **VSAC Value Set Spreadsheet Updated**

The VSAC Value Set spreadsheet is updated. The Version and Expansion Identifier column is moved to the right of the OID. In addition, the entire code set for each of the Version and Expansion Identifier is listed.

Figure 4 Value Set Spreadsheet

Value Set Development	Value Set OID	Version	Expansion Identifier	Version Date	Value Set
NCQA	2.16.840.1.113883.3.464.1003.110.11.1078	MU2 Update	2015-05-01	2016-02-09	Measles
NCQA	2.16.840.1.113883.3.464.1003.110.11.1078	MU2 Update	2015-05-01	2016-02-09	Measles
NCQA	2.16.840.1.113883.3.464.1003.110.11.1078	MU2 Update	2015-05-01	2016-02-09	Measles

Defects Fixed

2.1 *Complete HQMF XML File Produced for Identified Attributes*

Certain combinations of datatype and attributes, if present, produced an incomplete HQMF XML file. The three impacted attributes are method, anatomical approach site, and anatomical location. This error is resolved and a complete HQMF XML file is produced.