MADiE Known Issues

CQL-to-ELM Translator Known Issues

Note, for these issues the MADiE Team is working with the CQL-to-ELM Translator team to address these updates.

Date Added	Issue Description
3/15/23	There is an issue in how reasonCode is getting mapped to ELM for the MedicationNotRequested datatype in QI-Core 4.1.1. The QI-Core Model Info File 4.1.1 restricts reasonCode to cardinality of 1..1 for MedicationNotRequested based on the QICoreMedicationNotRequested profile. This profile is based on the MedicationRequest resource. The MedicationRequest resource's reasonCode has cardinality of 0..*. Though the cardinality constraint is valid, the CQL-to-ELM Translator is not handling the cardinality conversion from CQL to ELM correctly.
3/15/23	The CQL-to-ELM Translator permits unions of two different types - e.g., [ServiceRequest] union [Procedure] This results in a Choice type. However, the CQL-to-ELM Translator is not converting CQL to ELM correctly when an attribute of one of those resources making up the Choice is then used – e.g., ([ServiceRequest] union [Procedure]) P where P.performed is not null **Work around:** Update CQL logic so that nothing about a Choice type's attribute(s) is asserted in the logic. For example, split the definition with the union into separate definitions, and use the different definitions in CQL as appropriate.

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Date Added	Issue Description
11/17/22	CQL validation issues occur when a definition name is resolvable to a quoted identifier, but the definition name is not in quotations. Users may not receive CQL validation errors, however the Population Criteria section won't render, and a blank screen will display. **Work around:** Quotes should be added to all define statement names, even when it is resolvable to a quoted identifier. **Example:** Before adding quoted identifiers: After adding quoted identifiers:
12/21/22	When users search for measure names and include special characters in the search criteria, the user may receive a 403 error, or the search results will not be returned. **Work around:** Only include alpha numeric characters when searching for a measure.
1/17/23	Users may receive VSAC timeout errors, even when active in UMLS. **Work around:** As this issue is intermittent, if a user receives an error indicating a 401 or VSAC timeout error when saving, users should follow these steps if this occurs. Copy the updates you were saving, navigate away from the tab, navigate back to the tab to paste the updates, and save again.

Date Added	Issue Description
01/31/2023	MADiE had previously introduced validations to help users create QMIG-compliant population criteria. MADiE is currently incorrectly validating the use of some functions. When the CQL contains a function with a complex argument type in the primary library, users may receive an error when trying to create a population criteria: 'Failed to create the group'. **Work around:** The user may create a standalone library with this function and then reference that function through the appropriate include mechanism available in CQL.
02/15/2023	When a user selects a Measurement Period (MP) Start and End date, MADiE is inappropriately appending the current system time to the MP Start and End date. Users are unable to edit the time. For example, if a user is logged into MADiE at 5PM and selects the MP, the MP is recognized as 2023-01-01 at 5PM to 2023-12-31 at 5PM. MP time should start at 00:00AM and end at 23:59PM.
2/20/2023	When a user filters measures by selecting the My Measure tab, it is currently only displaying measures that the user owns and is not listing measures that have been shared with that user. **Work around:** To access measures that have been shared with you, search for the measure by name.
2/20/2023	When a measure containing a standalone CQL Library is calculated against test cases, it utilizes the ELM for that library that was translated at the time the individual library was versioned. If a standalone CQL library was versioned and the ELM created by an earlier version of the Translator than MADiE currently uses, the user may receive inaccurate test results or an error message. **Work around:** Users may draft their version of the CQL Library and version it again. This will ensure the library is using the current version of the translator. Users would need to update their measure to use reference the updated version of the library.
3/8/2023	MADiE is handling Unified Code for Units of Measure (UCUM) codes inconsistently, affecting a number of observation resource profiles. **Work around:** Users may revert their CQL to use the "Observation":"<code>" workaround that was being used before the FQM-Execution Engine update in MADiE 1.0.6. Use the QI-Core Observation profile URL for the respective Observation resource(s) in your test case(s): http://hl7.org/fhir/us/qicore/StructureDefinition/qicore-observation.
3/8/2023	When an array is indicated in the JSON, but the element's cardinality in the model does not support an array (i.e., maximum cardinality of 1), the user should receive a validation error. Currently the file is executed and expected values may be impacted. When an array is not indicated in the JSON, but the element's cardinality requires an array (i.e., maximum cardinality of many), the user should receive a validation error. Currently, the user receives a generic error message, 'e.map is not a Function'. **Work around:** Users should ensure that when Test Case JSON files use arrays that the JSON aligns with the cardinality requirements of the model.