

Information Session Resource

Supporting Material for “Meet MADiE: The Electronic Clinical Quality Measure (eCQM) Development and Testing Tool”

On April 24, 2024, representatives from ICF who support the Measure Authoring and Development Integrated Environment (MADiE) tool presented about the upcoming transition from the Measure Authoring Tool (MAT) and Bonnie to MADiE. This question and answer (Q&A) document outlines in-scope questions addressed by the ICF team during the event.

About MADiE

1. Who are the intended users for these tools?

Intended users are quality measure developers. Our tools are also used by measure testers, implementers, and reviewers as part of the measure authoring workflow to get electronic Clinical Quality Measures (eCQMs) measures authored and tested.

2. When will actual versions of an eCQM be displayed in MADiE?

Since MADiE is used for measure authoring and not related to the publishing of eCQMs, we do not plan to display an eCQM version. If this is a needed feature, please raise an enhancement request on our [ONC JIRA](#) and it will be discussed for prioritization.

3. Is MADiE still considered a minimum viable product (MVP) with regards to QDM and QI-Core support?

With the decommissioning of the legacy tools in June, the MVP designation will be removed from MADiE. However, we continue to have a very large list of features we plan to implement in the future.

4. Is the output 508 compliant?

MADiE tooling in general is 508 compliant. If you or anyone else notices any issues, please raise a ticket on our [ONC JIRA](#).

5. MAT saved different versions of a measure. Does MADiE allow multiple versions of the same measure?

Yes, measure versioning is currently supported for Quality Improvement Core (QI-Core) measures in MADiE and Quality Data Model (QDM) will be coming soon.

6. Is there a way to keep a measure confidential until the measure is final?

Currently, MADiE does not support private or confidential measures. Any measure or test case created in MADiE is accessible to any authenticated user. However, only users with which the measure has been shared will be able to edit the measure or associated test cases.

If this is a needed feature, please raise an enhancement request on our [ONC JIRA](#) and it will be discussed for prioritization.

Migrating to MADiE

- 1. Prior efforts to transfer test cases from Bonnie to MADiE were not successful. At the time, new test cases had to be developed again in MADiE. Have those issues been remedied?**

We are constantly working to improve MADiE, including transferring measures from MAT to MADiE and test cases from Bonnie to MADiE. Without knowing the details of this specific issue I cannot answer if it has been resolved or not, but we encourage you to enter a help desk ticket in our [ONC JIRA](#) if you have issues.

- 2. Do we need to transfer our eQDM that we imported for 2023?**

MAT and all three Bonnies will be completely inaccessible after June 28, 2024. We recommend users transfer all measures and test cases that they may need to maintain in the future. Otherwise, measures and test cases will need to be developed from scratch in MADiE.

- 3. Any QDM measure authored using earlier versions of QDM needs to be converted to QDM 5.6 prior to migration, correct?**

Correct, we only support the transfer of QDM 5.6 measures from MAT to MADiE (or FHIR measures, which will be converted to QI-Core during transfer). How to transfer measures, and some reasons why the transfer option might be disabled in the MAT, are available in the [MADiE User Guide](#).

- 4. Since CMS IDs can no longer be generated in MAT for new measures, how do we keep numbers consistent between QDM and FHIR versions of the same measure? If we generate a new number on each version in MADiE then will we end up with different ID numbers?**

We recommend transferring the measure from MAT to MADiE and then generating the CMS ID in MADiE. If the measure already has a CMS ID, it will transfer with the measure. If it did not, you can generate the CMS ID in MADiE and it would be the next number sequentially available (same as it would have been in MAT).

Future Enhancements

- 1. The issue is when that instead of ending up with a QDM and FHIR version of a new measure such as CMS1246, we will have a QDM CMS1246 and whatever MADiE generates for the FHIR version when it is created which means two different CMS numbers for the same measure. Is there a work around?**

Another MADiE feature we are working on in the future is converting QDM measures to QI-Core (which includes the CMS ID).

- 2. Are there any plans to expand MADiE in the future to allow for authoring of claims-based measures?**

There are no plans to support claims-based measures at this time. MADiE is focused on quality measures, utilizing QDM and QI-Core standards for eCQM measures.

3. Are there plans in the future to support FHIR/CQL or any other models?

In the foreseeable future, we plan on supporting the latest versions of QI-Core (STU5 and/or STU6) and onward as new versions are released.

4. As a measure tester/implementer, we were simply able to import measure specifications zip file to Bonnie and we could start creating our test cases. Now with Madie, we do have to create the measure, fill in all details, CQL Library, and if all goes well without any errors, only then one could get to testing. This adds to unnecessary additional steps for a tester. Can you add a way to copy over measure from the original version, so that the tester/implementer can simply start on their testing part?

This has been recently requested via our help desk as an enhancement request and is a feature we will work on adding in the future.

5. What is the planned approach for incorporating user feedback for feature prioritization and human-centered design?

We will continue to utilize our user groups and other user research for gathering user feedback. Every three months we have a feature prioritization exercise in which we use the feedback for prioritizing our roadmap.

6. How do you export the Expected/Actual results for the test cases?

MADiE does not yet support QDM test case exports at this time, but we are in the process of building that feature, and the Excel export as well as the QRDA export will include the Expected/Actual results. For QI-Core measures, I believe test case exports already include the expected/actual results. Go to the Test Case list page and choose Export Test Cases and then choose whether to export as a Transaction Bundle or export as a Collection Bundle.

7. Will this tool help us write the CQL?

At this time, the CQL Editor is entered directly. We continue to build new features into the tool, and a CQL Builder is coming soon!