

MADiE User Group

November User Group

Hosted by ICF/SemanticBits

November 20, 2025



MADiE is owned and operated under contract with CMS

Disclaimer

This meeting is being recorded to ensure notes and action items are captured accurately.

Attendees who have objections to the meeting being recorded are asked to let the facilitator know at this time.

Agenda and Objectives

Agenda

1. MADiE Updates
2. User Experience/Design Discussions
3. Community Questions & Discussions
4. Review of Resources

Objectives

- Inform MADiE users of current and planned activities
- Create a forum to gather community feedback on future enhancements
- Foster collaboration through open community discussion

60 Day Account Deactivation

Keeping your MADiE Account Active:

- In accordance with CMS and HHS security requirements, MADiE has implemented an account deactivation policy for all users who have not logged in within the previous 60 days or more.
- Users will receive warning messages after 30 days of inactivity.
- After 60 days of inactivity, accounts will be deactivated.
- To access a deactivated MADiE account again, users will need to request the MADiE role in HARP.
 - **Do NOT** respond to the deactivation email.

*Keep your MADiE account active to continue to receive important email communications!

MADiE

MADiE 2.3.1

MADiE Current State (1 of 3)

MADiE 2.3.1 – 10/1/2025

- MADiE now allows the owner of a measure or library to transfer ownership of their measure or library to another user through the user interface. Users completing the request will need to know the HARP ID of the user you wish to transfer your measure or library to.
- The "Measure CQL (View Only)" tab on the Edit Test Case screen has been renamed to "CQL", streamlining the tab layout and creating more space for future enhancements, with no changes made to tab content or validation containers.
- A new visual indicator has been added to the test case list for versioned QDM and QI-Core measures, helping users with edit access easily identify which test cases cannot be deleted. Test cases that existed prior to versioning now display a gray trash can icon, while newly added ones do not. This icon is only visible to users who own or have shared access to the measure and does not appear on draft measures.
- For all newly created measures, the Risk Adjustment Variables (RAV) setting will now default to "Yes,". This change applies only to new measures and does not affect any existing ones.

MADiE Current State (2 of 3)

MADiE 2.3.1 – 10/1/2025

- MADiE has been updated to use FQM-Execution Engine 1.8.3. Release notes can be found [here](#). ([MADIE-2284](#))
- MADiE has been updated to use CQM-Execution Engine 4.4.1. Release notes can be found [here](#).
- Both **fqm-execution** and **cqm-execution**, which are built on **cql-execution**, have been updated to reflect a change in the underlying engine that now requires all value sets to be expanded during measure execution—even if they are not used in population criteria. This may lead to "Unable to resolve expected valueset" errors when executing QDM or QI-Core test cases if unused value sets are present. To avoid this issue, please ensure that all value sets defined in the CQL are actively used in the measure.
- MADiE has been updated to use CQL-ELM Translator 3.29.0. More information can be found [here](#).

MADiE Current State (3 of 3)

MADiE 2.3.1 – 10/1/2025

- Resolved Known Issues
 - Recent updates ensure that the **aggregateMethod** extension in measure exports now correctly uses **valueCode** instead of **valueString**, aligning with the QM IG STU4 and CQM UV STU1 specifications. This fix addresses compatibility issues for ratio and continuous variable measures, preventing exceptions during implementation and ensuring conformance with expected standards. ([MADIE-2288](#))
 - **QDM Measures:** Observation results may have been inaccurately shown in the interface for some measures despite correct execution outputs. This update ensures that test case results now reliably reflect calculated values. ([MADIE-2293](#))
 - The Steward and Developers dropdowns on the Measure Details screen in MADiE have been updated to reflect a naming change: the option previously labeled "The Joint Commission" now appears as "Joint Commission." To apply the updated name in existing measures, users will need to re-select the entry manually. ([MADIE-2292](#))

CMS Web Application Firewall Errors

CMS Web Application Firewall (WAF) Issues

- CMS WAF errors are received when an attempted action (i.e. saving or exporting) is rejected by the CMS security policy, blocking further action by the user
- This can happen when working in a measure or test case that previously did not receive a CMS WAF error, or when making a change to the measure or test case

When an action is blocked, please include the following information in your ONC JIRA ticket.

- Measure Name/ID
- Test case Name (if applicable)
- Action that resulted in unexpected error messages or an inability to save changes (include specific verbiage/CQL/JSON that was unable to save)
- Providing the error message assists the team in confirming the cause of the issue
- When error messages include a 'Support ID' include that ID number in your ticket so that can be provided to CMS to unblock the attempted action

Examples of CMS WAF error messages:

- The Measure Authoring Tool was unable to process the request. Please try again. If the problem persists, please contact the Help Desk.
- System error. Unable to process information
- 403 Forbidden The requested URL was rejected by CMS security policy. If you believe this is in error, please contact the HIDS Security Operations Center QNET_soc@cms.hhs.gov and reference your Support ID: 2586968644408754759

Help Desk Ticket Submission Process (1 of 3)

The **MADiE Ticket Submission Guidance** document on the [Training & Resources](#) tab on the public website provides guidance to measure developers needing assistance with measures or test cases.

This document should be reviewed prior to creating a ticket to verify if the ticket should be submitted to the MADiEIT or to the CQLIT.

This document includes the following:

- Steps to take prior to submitting a Help Desk ticket
- When to submit a ticket to MADiE Issue Tracker (MADiEIT) and when to submit a ticket to CQL Issue Tracker (CQLIT)
- A list of artifacts to include if a ticket is being created with either CQLIT or MADiEIT for assistance with measure CQL or test case JSON

Reference the [MADiE Help Desk Process Diagram](#)

Help Desk Ticket Submission Process (2 of 3)

Steps to take prior to submitting a ticket:

1. **[Search for an Issue](#)**: Have a question or experiencing an issue? Search by keyword or project, see if others have submitted the same question or reported the same issue, and review the responses.
2. **If a ticket needs to be submitted, identify the appropriate Issue Tracker – [CQLIT](#) or [MADIEIT](#)**
 - Submitting tickets to the incorrect IT will increase the response time as two teams will need to review the ticket. This will delay possible resolution for the submitter.
3. **Identify the Ticket Type to be used**
 - Choices are – Bug/Issue, Delete Library, Enhancement Request, MADiE Access Question, Question, User Group Question/Topic, or User Research Feedback
 - The responses that are auto-generated when a ticket is created is determined by the ticket type and include additional information that may be needed for the ticket to be processed.
 - For example, the auto-response, required information, and format for that information for an Enhancement Request ticket is driven by the “Are you part of a CMS Contract” field. CMS Contractors must attach a completed Enhancement Request Form while other submitters are directed to answer several questions in the description or as a comment.

Help Desk Ticket Submission Process (3 of 3)

Steps to take prior to submitting a ticket (continued):

4. Include all required information based on the type of ticket you are creating

- Populate all applicable available fields when creating the ticket. These fields can be updated after the ticket is created by selecting “Edit” if additional information needs to be added.
- The required fields are specific to the Issue Tracker the ticket is submitted to. For example, the measure name and URL is required for the MADiEIT but is not available for the CQLIT. When tickets are moved only the data in fields available by the IT the ticket is moved to will be retained, and different data may be needed that wasn't originally entered.

5. Attach required artifacts and supporting documentation

- Tickets created with required information and supporting documentation missing will be sent back to the submitter with a comment listing the missing information and supporting documentation. Populating all applicable fields while creating the ticket will assist the MADiE team when processing this ticket.
- **IMPORTANT NOTE:** Until all required information and supporting documentation are included, the ticket cannot be processed. Including this information at the time of ticket creation will expedite the time from ticket creation to when the team may begin processing the ticket. **Specifically: Attach the measure package and test case export, include measure, library and/or test case URLs, and include the Enhancement Request Form when applicable for the ticket you are submitting.**

Tickets to be Submitted to the CQLIT

Tickets submitted to the CQL Issue Tracker will be evaluated and the standards team may identify the ticket needs to be moved on to the MADiE Issue Tracker to evaluate MADiE functionality.

The following types of tickets should be submitted to the [CQL Issue Tracker](#):

- User is experiencing a CQL error in the MADiE CQL Editor that is not resolved after reviewing resources (see list in the Ticket Submission Guidance document) and consulting with SMEs
- User is unable to resolve JSON test case error message(s) after reviewing resources (see list in the Ticket Submission Guidance document) and consulting with SMEs
- MADiE test case results are not as expected, and the following has been confirmed:
 - JSON does not contain validation errors
 - Valid CQL
 - Appropriate utilization of QI-Core Profiles:
 - hl7.org/fhir/us/qicore/STU4.1.1/profiles.html
 - hl7.org/fhir/us/qicore/STU6/profiles.html

Tickets to be Submitted to the MADiEIT

The following types of tickets should be submitted to the [MADiE Issue Tracker](#):

- Enhancement requests
- Issues accessing the applications after verifying network or internet connection
- Tool performance issues in which do not subside after verifying network or internet connection
- Error message received which instructs the user to contact the Help Desk
- Clarification needed for functionality after review of resources
- MADiE CQL error that was not resolved after review of available resources, consulting with SMEs and/or [CQL Issue Tracker](#)
- MADiE test case error that was not resolved after review of available resources, consulting with SMEs and/or [CQL Issue Tracker](#)
- MADiE measure export inquiries
- Issues with the measure HTML file (referred to as the 'Human Readable'), in the measure package export
- MADiE test case export (QRDA or Excel) inquiries
- Library deletion requests

Help Desk Requests Including HARP IDs

- The following requests must be submitted via email at MADiE@cms.hhs.gov as they contain HARP IDs
 - Measure or library ownership transfer requests
 - CMS ID deletion requests
 - Revert measure version requests
 - or other inquiries with a HARP ID
- Do not submit these requests until you have confirmed that all users involved in the request have active MADiE accounts
- MADiE allows users two options for adding or removing share access for libraries and measures
 - **Preferred Method:** Users can share or unshare one or more libraries or measures via the MADiE UI
 - If users require assistance, users can submit a request to share or unshare one or more libraries or measures via email MADiE@cms.hhs.gov

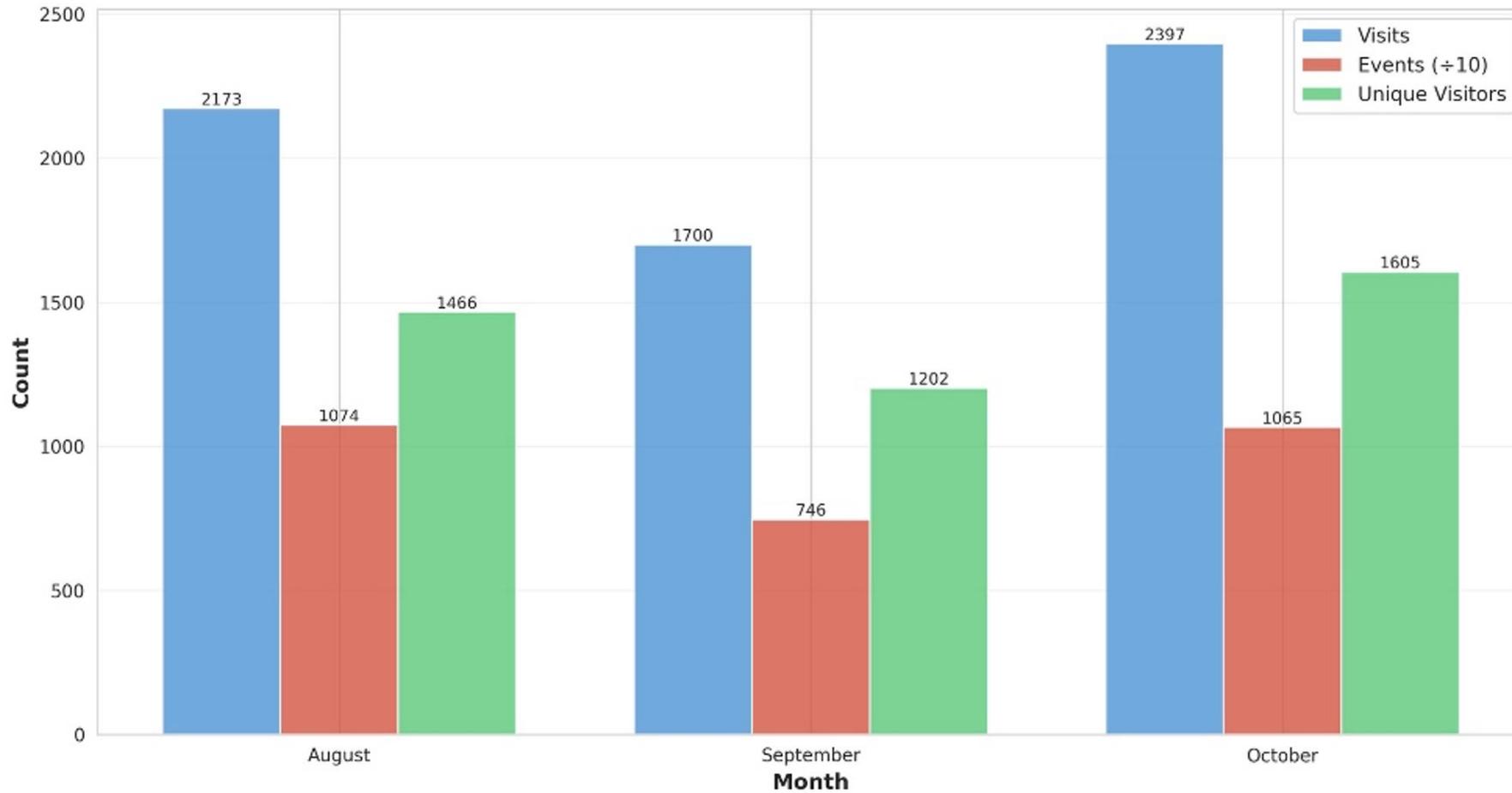
UXR Update

- The survey has been collecting data, if you have not participated yet, please consider doing so and encourage your colleagues to do so as well.
 - It will help us establish a usability baseline for our future endeavors.
 - We have 20 responses and need to obtain much more.
 - Survey link - https://surveys.CMS.gov/jfe/form/SV_6zgX4G13GQhuWNg
- We have obtained Matomo data for the months of August – October
 - The next slides will provide information on the activity that has taken place during that time.
 - The first slide you will see explains some of the terminology used to explain the activity that has taken place
 - You will see some bargraphs and these cover the activity involving these tags on a monthly basis for these tags.
 - Following the bargraphs you will see maps displaying the number of unique visits by state.

UXR Update – Terminology for Matomo Tags

Terminology	Definition
Label	The name or identifier of the event being tracked. Helps distinguish between different user actions of interface elements.
Visits	The number of sessions where the event occurred. A visit is a single session by a user. Indicates how often users encountered or interacted with the event during their session.
Events	The total number of times the event was triggered. Shows the frequency of interaction. A single visit can trigger multiple events.
Unique Visitors (daily sum)	The sum of unique users per day who triggered the event. Measures reach-how many distinct users interacted with the event.

UXR Update – Events & Visits – August – October 2025

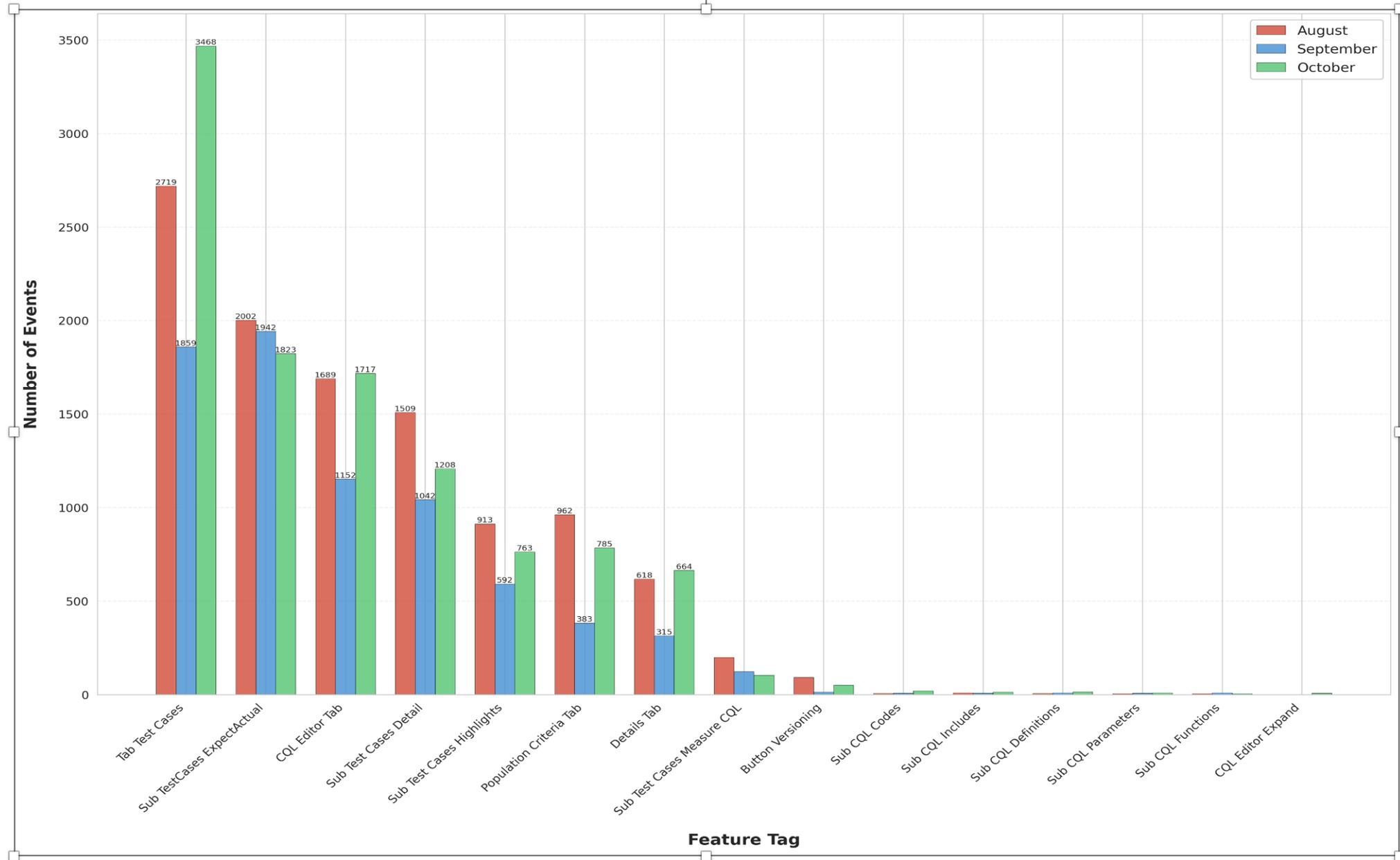


Activity decreased by 30.5% from August to September, marking the lowest point of the period

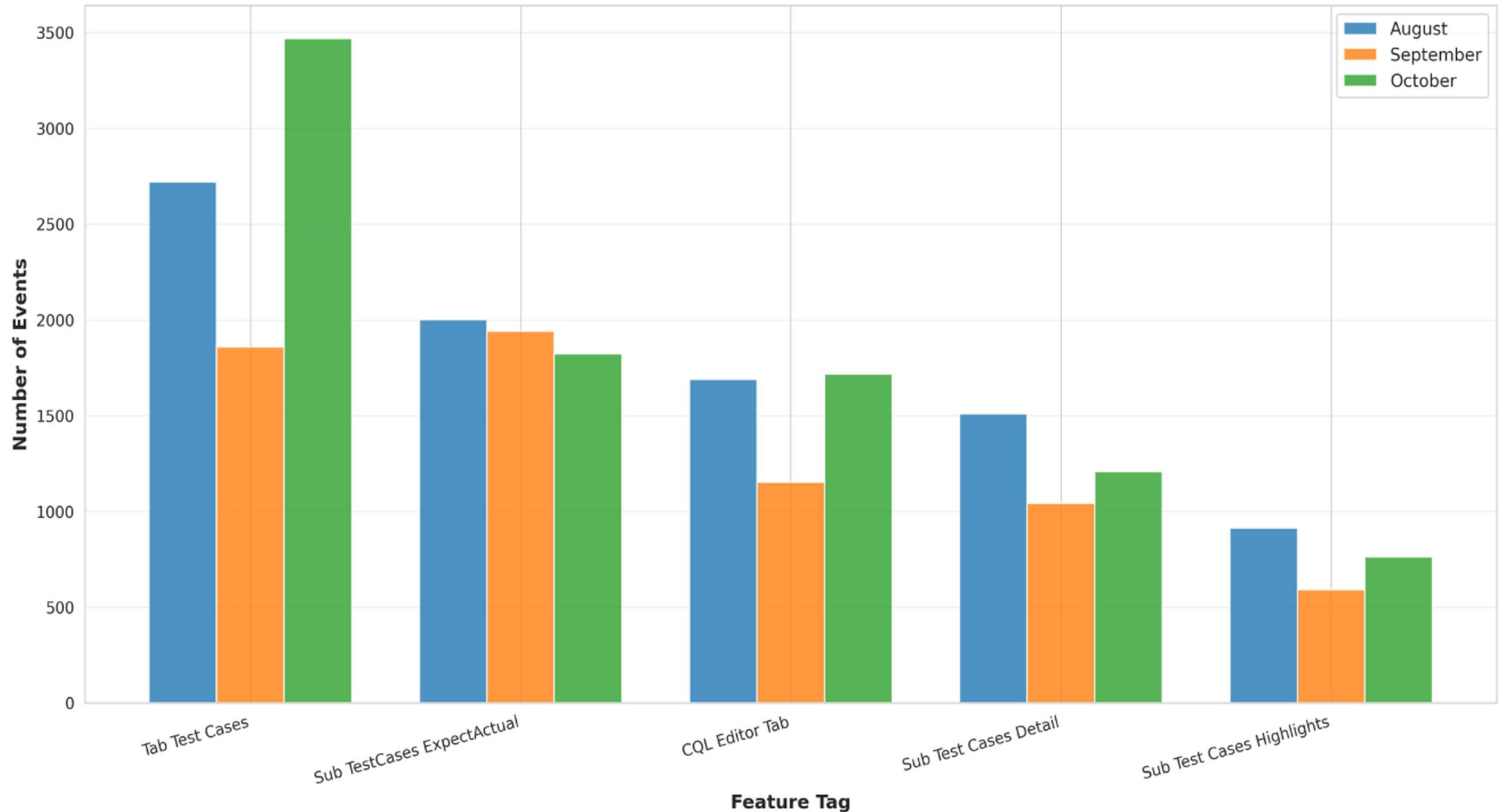
Strong recovery in October with a 42.8% increase in events, nearly matching August levels.

Total of 28,863 events recorded across all three months.

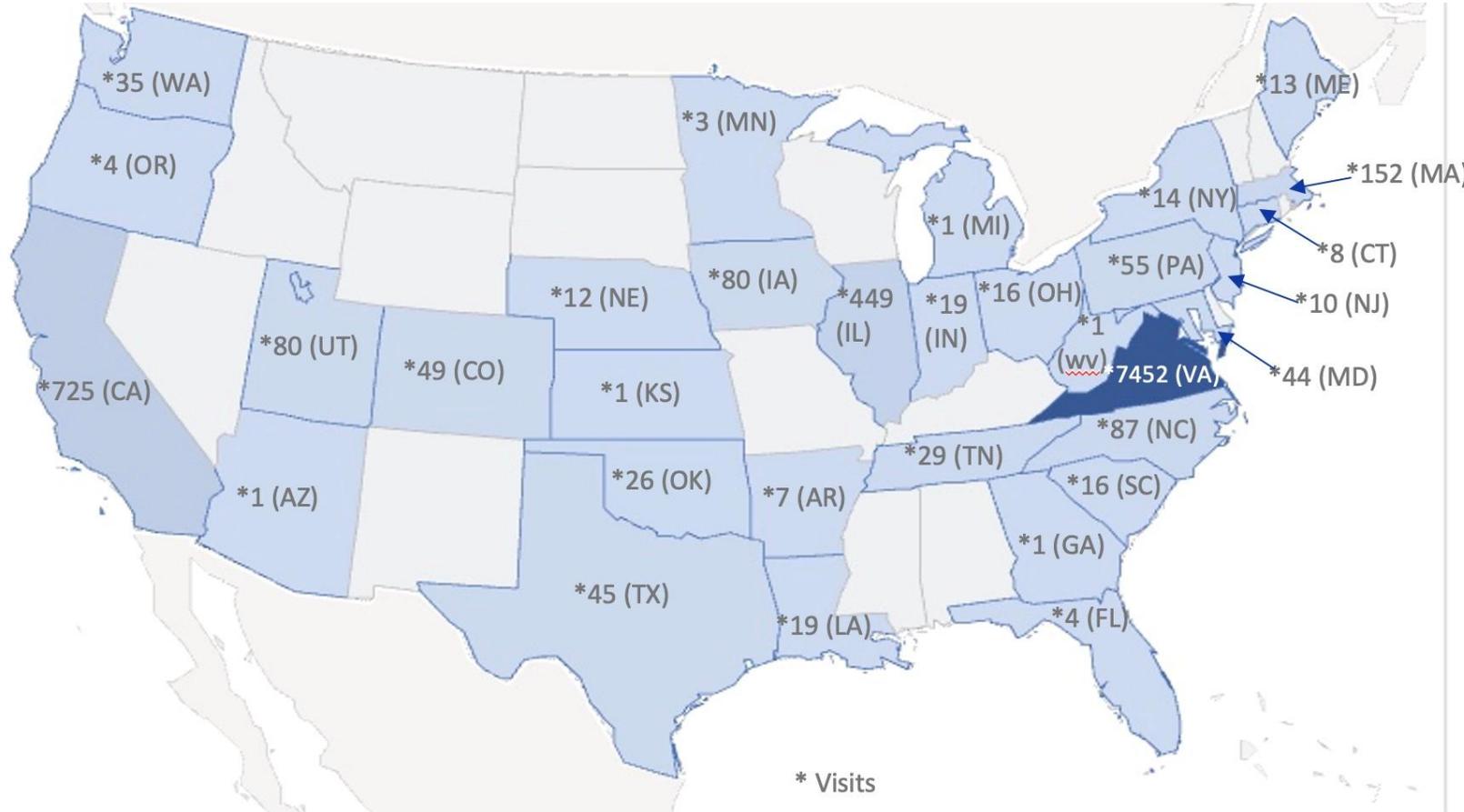
UXR Update – Event Activity- August – October 2025



UXR Update – Top 5 Most Active Tags- Monthly Comparison

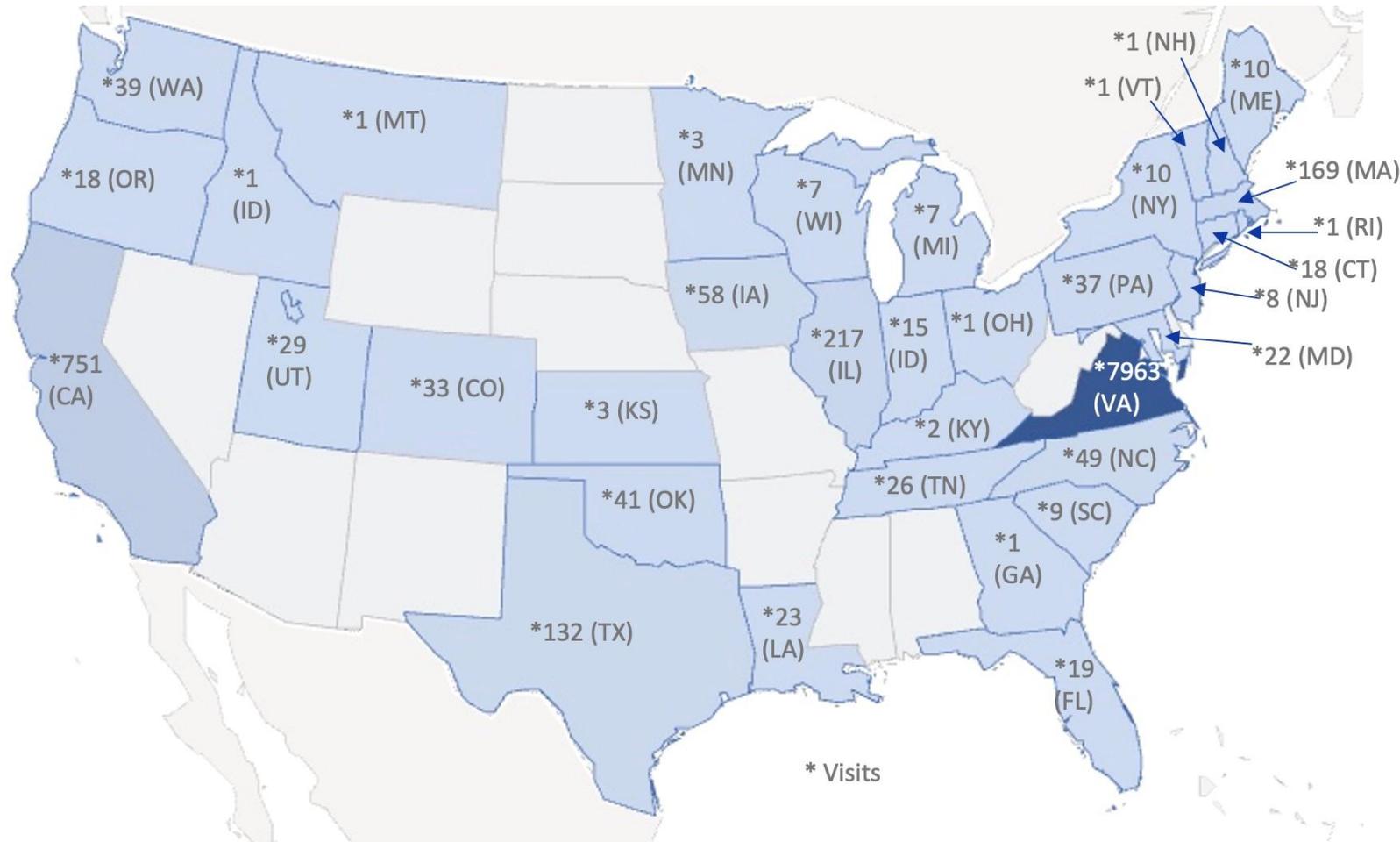


UXR Update – August Visits by State



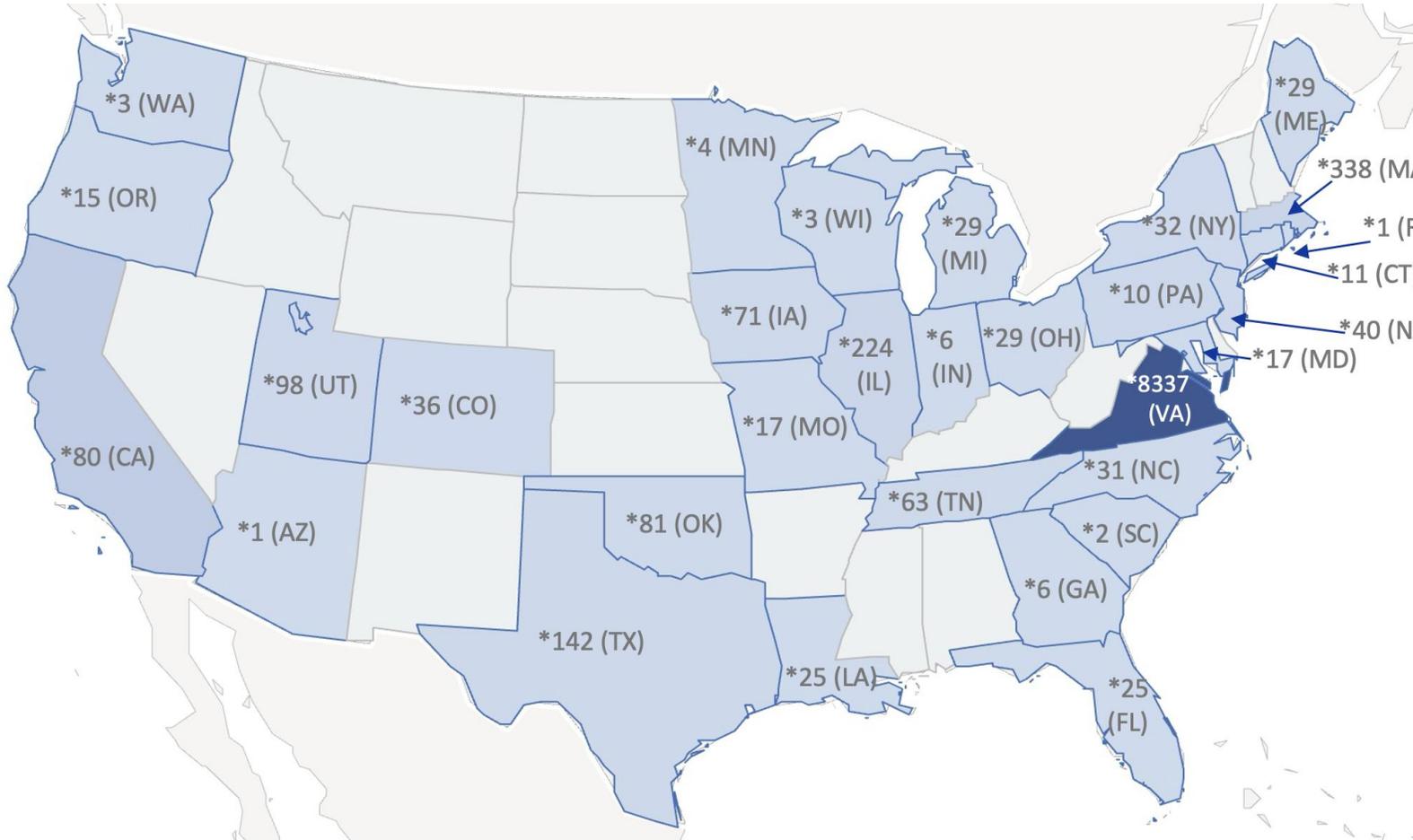
- (AZ) Arizona – 1 Visit
- (AR) Arkansas – 7 Visits
- (CA) California – 725 Visits
- (CO) Colorado – 49 Visits
- (CT) Connecticut – 8 Visits
- (FL) Florida – 4 Visits
- (GA) Georgia – 1 Visit
- (IL) Illinois – 449 Visits
- (IN) Indiana – 19 Visits
- (IA) Iowa – 80 Visits
- (KS) Kansas – 1 Visit
- (LA) Louisiana – 19 Visits
- (ME) Maine – 13 Visits
- (MD) Maryland – 44 Visits
- (MA) Massachusetts- 152 Visits
- (MI) Michigan – 1 Visit
- (MN) Minnesota – 3 Visits
- (NE) Nebraska – 12 Visits
- (NJ) New Jersey – 10 Visits
- (NY) New York – 14 Visits
- (NC) North Carolina – 87 Visits
- (OH) Ohio – 16 Visits
- (OK) Oklahoma – 26 Visits
- (OR) Oregon – 4 Visits
- (PA) Pennsylvania – 55 Visits
- (SC) South Carolina – 16 Visits
- (TN) Tennessee – 29 Visits
- (TX) Texas – 45 Visits
- (UT) Utah – 80 Visits
- (VA) Virginia – 7452 Visits
- (WA) Washington – 35 Visits
- (wv) West Virginia – 1 Visit

UXR Update – September Visits by State



- (CA) California – 751 Visits
- (CO) Colorado – 33 Visits
- (CT) Connecticut – 18 Visits
- (FL) Florida – 19 Visits
- (GA) Georgia – 1 Visit
- (ID) Idaho- 1 Visit
- (IL) Illinois – 217 Visits
- (IN) Indiana – 15 Visits
- (IA) Iowa – 58 Visits
- (KS) Kansas – 3 Visits
- (KY) Kentucky – 2 Visits
- (LA) Louisiana – 23 Visits
- (MA) Massachusetts – 169 Visits
- (MI) Michigan – 7 Visits
- (MN) Minnesota- 3 Visits
- (MT) Montana- 1 Visit
- (NH) New Hampshire- 1 Visit
- (NJ) New Jersey – 8 Visits
- (NY) New York – 10 Visits
- (NC) North Carolina – 49 Visits
- (OH) Ohio – 1 Visit
- (OK) Oklahoma – 41 Visits
- (OR) Oregon – 18 Visits
- (PA) Pennsylvania – 37 Visits
- (RI) Rhode Island – 1 Visit
- (SC) South Carolina – 9 Visits
- (TN) Tennessee – 26 Visits
- (TX) Texas – 132 Visits
- (UT) Utah – 29 Visits
- (VT) Vermont – 1 Visit
- (VA) Virginia – 7963 Visits
- (WA) Washington – 39 Visits
- (WI) Wisconsin- 7 Visits

UXR Update – October Visits by State



- (AZ) Arizona – 1 Visit
- (CA) California – 80 Visits
- (CO) Colorado – 36 Visits
- (CT) Connecticut – 11 Visits
- (FL) Florida – 25 Visits
- (GA) Georgia – 6 Visits
- (IL) Illinois – 224 Visits
- (IN) Indiana – 6 Visits
- (IA) Iowa – 71 Visits
- (LA) Louisiana – 25 Visits
- (ME) Maine – 29 Visits
- (MD) Maryland – 17 Visits
- (MA) Massachusetts – 338 Visits
- (MI) Michigan – 29 Visits
- (MN) Minnesota- 4 Visits
- (MO) Missouri – 17 Visits
- (NJ) New Jersey – 40 Visits
- (NY) New York – 32 Visits
- (NC) North Carolina – 31 Visits
- (OH) Ohio – 29 Visits
- (OK) Oklahoma – 81 Visits
- (OR) Oregon – 15 Visits
- (PA) Pennsylvania – 10 Visits
- (SC) South Carolina – 2 Visits
- (TN) Tennessee – 63 Visits
- (TX) Texas – 142 Visits
- (UT) Utah – 98 Visits
- (VA) Virginia – 833 Visits
- (WA) Washington – 3 Visits
- (WI) Wisconsin- 3 Visits
- (RI) Rhode Island

UXD Update – Adding Extensions

Two options for supporting extension packs in MADiE:

1. Supporting at the configuration level for each test case
2. Adding to individual test case

'Extension Pack' tab added to Test Case Configuration settings

The screenshot displays the MADiE (Measure Authoring Development Integrated Environment) interface. The main header shows the MADiE logo and navigation links for Measures, Libraries, Help, and Connect to UMLS. The user is identified as Jonathan. The current page is titled 'Bone density evaluation for patients with prostate cancer and receiving androgen deprivation therapy' and is in 'Draft' status. The 'Test Cases (5)' tab is selected, and the 'Extension Pack V5.3.0' configuration is visible. A table lists extension packs, with 'patient-citizenship' (complex) under the context 'Patient, RelatedPerson, Person'. A yellow box highlights the 'Extension Pack' tab in the left sidebar, and another yellow box highlights a modal window titled 'Extension Pack' that is open over the table.

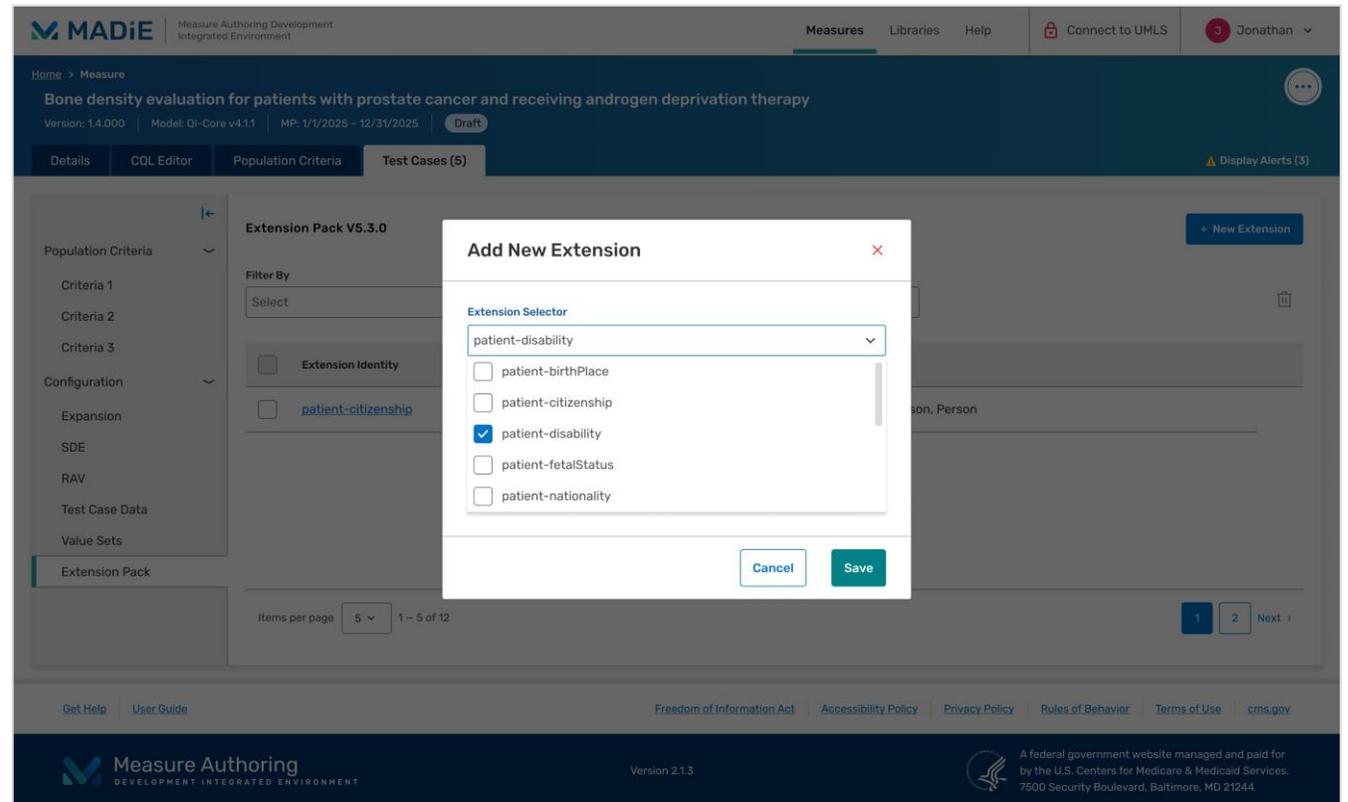
Extension Identity	Type	Context
<input type="checkbox"/> patient-citizenship	(complex)	Patient, RelatedPerson, Person

UXD Update – Adding Extensions

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'Add New Extension' modal window



UXD Update – Adding Extensions

Two options for supporting extension packs in MADiE:

1. Supporting at the configuration level for each test case
2. Adding to individual test case

Extension added successfully to Test Case Configuration settings

The screenshot shows the MADiE web application interface. The main content area displays the 'Extension Pack V5.3.0' configuration page. The page has a navigation bar with 'Home > Measure' and a breadcrumb trail. The main title is 'Bone density evaluation for patients with prostate cancer and receiving androgen deprivation therapy'. Below the title, there are tabs for 'Details', 'CQL Editor', 'Population Criteria', and 'Test Cases (5)'. The 'Test Cases (5)' tab is active. The page shows a table of extension packs with the following columns: 'Extension Identity', 'Type', and 'Context'. The table contains one row with the extension identity 'patient-disability', type '(complex)', and context 'Patient'. A yellow box highlights the table. A success message 'Extension (Disability) added successfully' is displayed in a green box with a checkmark icon. Another yellow box highlights this message. The footer of the page contains links for 'Get Help', 'User Guide', 'Freedom of Information Act', 'Accessibility Policy', 'Privacy Policy', 'Rules of Behavior', 'Terms of Use', and 'cms.gov'. The page is managed and paid for by a federal government website.

Extension Identity	Type	Context
<input type="checkbox"/> patient-disability	(complex)	Patient

UXD Update – Adding Extensions

Two options for supporting extension packs in MADiE:

1. Supporting at the configuration level for each test case
2. Adding to individual test case

Test Case tab > Elements tab > Available tab > Individual element details

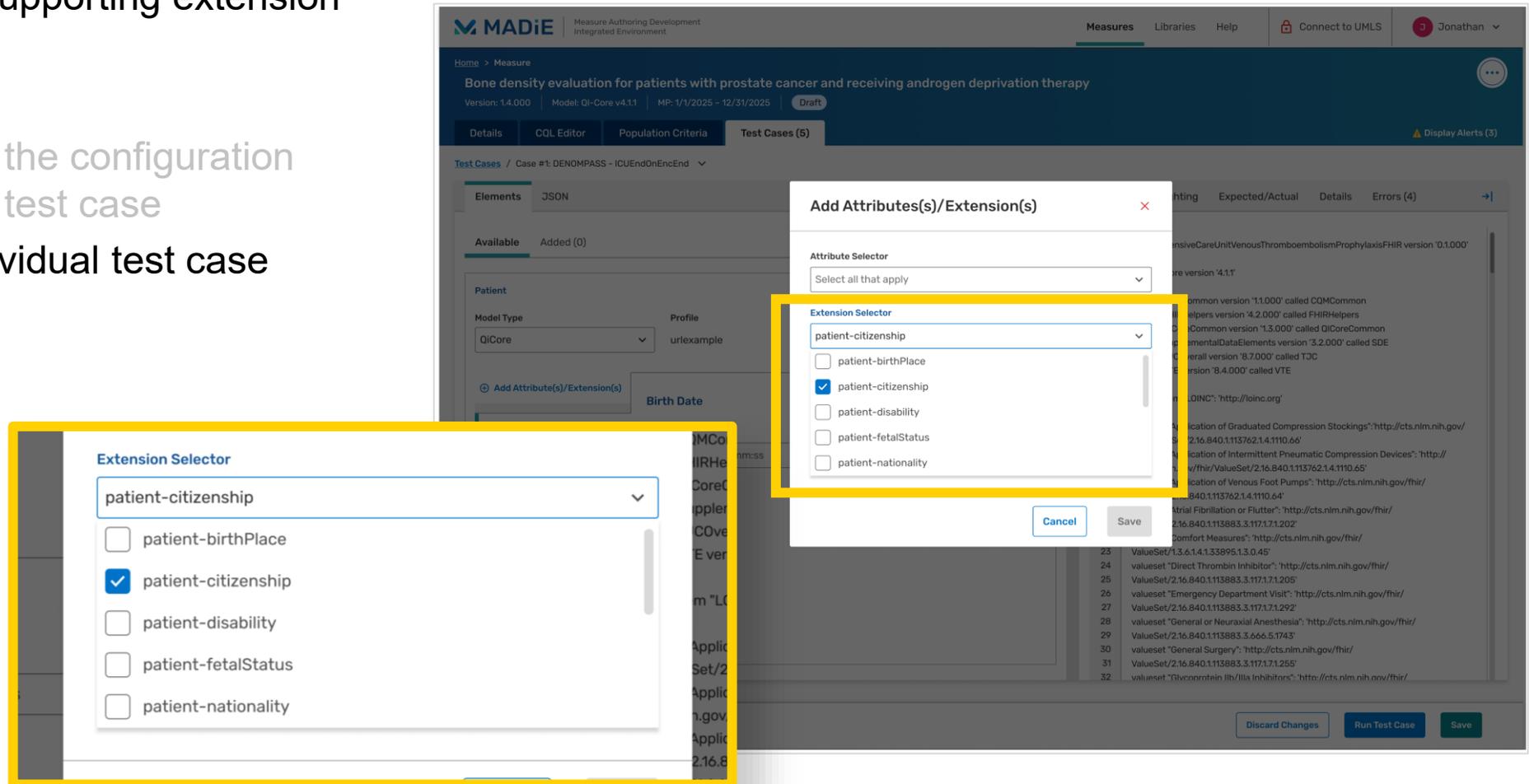
The screenshot displays the MADiE interface for a test case titled "Bone density evaluation for patients with prostate cancer and receiving androgen deprivation therapy". The user is in the "Test Cases" tab, specifically on the "Available" sub-tab for the "Patient" element. A yellow box highlights the "Add Attribute(s)/Extension(s)" button. The interface also shows a list of CQL rules on the right side, including "library IntensiveCareUnitVenousThromboembolismProphylaxisFHIR version '0.1.000'", "using QICore version '4.1.1'", and various include and valueSet statements.

UXD Update – Adding Extensions

Two options for supporting extension packs in MADiE:

1. Supporting at the configuration level for each test case
2. Adding to individual test case

'Extension Selector' field added to Attributes Selector modal window



UXD Update – Adding Extensions

Two options for supporting extension packs in MADiE:

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'Extension Selector' field added to Attributes Selector modal window

The screenshot shows the MADiE interface with the following elements:

- Header:** MADiE Measure Authoring Development Integrated Environment. User: Jonathan.
- Page Title:** Bone density evaluation for patients with prostate cancer and receiving androgen deprivation. Version: 1.4.000. Model: QI-Core v4.1.1. MP: 1/1/2025 - 12/31/2025. Draft.
- Navigation:** Details, CQL Editor, Population Criteria, Test Cases (5).
- Test Case Configuration:** Case #1: DENOMPASS - ICUEndOnEncEnd. Elements: JSON. Available: Added (0).
- Attributes Selector:** Patient (ID: Patient-12345). Model Type: QI-Core. Profile: urlxample. Add Attribute(s)/Extension(s) button.
- Extension Selector Modal:** Extension (Citizenship) field. *Country(ies): Select all that apply. *Period: Start Date (MM/DD/YYYY), End Date (MM/DD/YYYY). Undo, Apply buttons.
- Success Message:** Extension (Citizenship) added successfully (highlighted in yellow).
- CQL Editor:** Highlighting, Expected/Actual, Details, Errors (4). Code: library IntensiveCareUnitVenousThromboembolismProphylaxisFHIR version '0.1.000', using QI-Core version '4.1.1', include CQMCommon version '1.1.000' called CQMCommon, include FHIRHelpers version '4.2.000' called FHIRHelpers, include QI-CoreCommon version '1.3.000' called QI-CoreCommon, include SupplementalDataElements version '3.2.000' called SDE, include TJCOverall version '8.7.000' called TJC, include VTE version '8.4.000' called VTE, codesystem 'LOINC': 'http://loinc.org', valueset 'Application of Graduated Compression Stockings': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113762.1.4.1110.66', valueset 'Application of Intermittent Pneumatic Compression Devices': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113762.1.4.1110.65', valueset 'Application of Venous Foot Pumps': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113762.1.4.1110.64', valueset 'Atrial Fibrillation or Flutter': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113883.3.117.1.1.202', valueset 'Comfort Measures': 'http://cts.nlm.nih.gov/fhir/ValueSet/1.3.6.1.4.1.33895.1.3.0.45', valueset 'Direct Thrombin Inhibitor': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113883.3.117.1.1.205', valueset 'Emergency Department Visit': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113883.3.117.1.1.292', valueset 'General or Neuraxial Anesthesia': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113883.3.666.5.1743', valueset 'General Surgery': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113883.3.117.1.1.255', valueset 'Glycoprotein IIb/IIIa Inhibitors': 'http://cts.nlm.nih.gov/fhir/ValueSet/2.16.840.1.113883.3.117.1.1.255'.
- Footer:** Import, Discard Changes, Run Test Case, Save buttons.

UXD Update – Comparing Measure Versions (WIP)

Measure Version Difference Comparison modal

High level requirements:

- Ability for a user to compare the **CQL** of 2 different versions of the same measure side-by-side (like a programmatic diff)
- Ability for a user to compare the **Human Readable** output of 2 different versions of the same measure side-by-side

The screenshot displays the 'Compare Measure Versions' modal in the MADiE system. The modal compares two versions of a measure: Version 1.0.000 (last updated 12/30/2024) and Version 2.0.017 (Draft, last updated 02/15/2025). The measure name is 'A Change in Severity of the Level of Food Insecurity'. The comparison is shown in 'Human Readable' format. The left column shows the original code with red highlights indicating removals, and the right column shows the updated code with green highlights indicating additions. The differences include: 1. Removal of 'library MyTestMeasureCQLLibrary version '0.0.000'' and addition of 'library MyTestMeasureCQLLibrary version '2.0.017''. 2. Removal of 'using FHIR version '4.0.1'' and addition of 'using FHIR version '4.0.1''. 3. Removal of 'include FHIRHelpers version '4.0.001' called FHIRHelpers' and addition of 'include FHIRHelpers version '4.0.001' called FHIRHelpers'. 4. Removal of 'include SupplementalDataElementsFHIR4 version '2.0.000' called SDE' and addition of 'include SupplementalDataElementsFHIR4 version '2.0.000' called SDE'. 5. Removal of 'include MATGlobalCommonFunctionsFHIR4 version '5.0.000' called Global' and addition of 'include MATGlobalCommonFunctionsFHIR4 version '5.0.000' called Global'. 6. Addition of 'define 'SDE Race': SDE:'SDE Race''. 7. Addition of 'define 'SDE Sex': SDE:'SDE Sex''. The modal also shows a 'Close' button at the bottom right.

UXD Update – Comparing Measure Versions (WIP)

Measure Version Difference Comparison modal

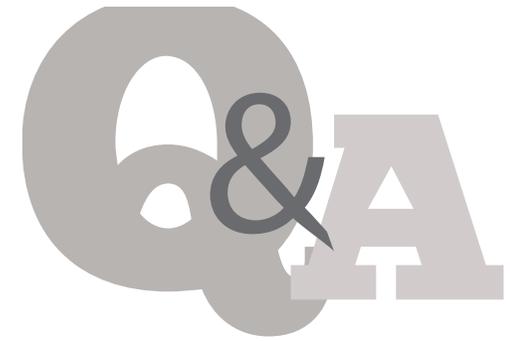
High level requirements:

- Ability for a user to compare the **CQL** of 2 different versions of the same measure side-by-side (like a programmatic diff)
- Ability for a user to compare the **Human Readable** output of 2 different versions of the same measure side-by-side

The screenshot displays the 'Compare Measure Versions' modal in the MADiE system. The modal title is 'Compare Measure Versions' and it shows a comparison between two versions of the measure 'A Change in Severity of the Food Insecurity Level (CMS ID: 4321)'. The left version is 'Version 1.0.000' (last updated 12/30/2024) and the right version is 'Version 2.0.017 Draft' (last updated 02/15/2025). The comparison is shown in 'Human Readable' format. The modal includes a table of differences (5) and a 'Close' button at the bottom right.

Field	Version 0.0.000	Version 2.0.017 Draft
Measure Name	A Change in Severity of the Level of Food Insecurity	A Change in Severity of the Food Insecurity Level
Measurement Period	January 1, 20XX through December 31, 20XX	January 1, 2025 through December 31, 2025
Rationale	Sickle Cell Disease (SCD) is the most common inherited blood disorder and is estimated to affect approximately 100,000 individuals in the United States (Hassell, 2010). SCD is also most prominent among Black or African American patients-affecting 1 out of 365 Black or African American births (Hassell, 2010)—and the average life expectancy of publicly insured individuals with SCD is reported to be approximately 52.6 years of age (Jiao et al., 2023). Based on a 2022 systematic review, total annual costs (medical and non-medical) were estimated to range from \$14,012 to \$80,842 per patient per year (Baldwin et al., 2022). Evidence suggests that up to 60% of patients with SCD surveyed reported avoiding care in the ED (Crego et al., 2021). When they do seek emergency care due to an acute severe pain crisis, studies have shown patients wait an average of 90 minutes before analgesics are given (Tanabe, 2007; Lin, Strouse, Whiteman, Anders, & Stewart, 2016), and in another study across seven EDs found that half of all pediatric visits had a time to first opioid over	Sickle Cell Disease (SCD) is the most common inherited blood disorder and is estimated to affect approximately 100,000 individuals in the United States (Hassell, 2010). SCD is also most prominent among Black or African American patients-affecting 1 out of 365 Black or African American births (Hassell, 2010). Based on a 2022 systematic review, total annual costs (medical and non-medical) were estimated to range from \$14,012 to \$80,842 per patient per year (Baldwin et al., 2022). Evidence suggests that up to 70% of patients with SCD surveyed reported avoiding care in the ED (Crego et al., 2021). When they do seek emergency care due to an acute severe pain crisis, studies have shown patients wait an average of 90 minutes before analgesics are given (Tanabe, 2007; Lin, Strouse, Whiteman, Anders, & Stewart, 2016), and in another study across seven EDs found that half of all pediatric visits had a time to first opioid over one hour and thirty minutes (Brousseau et al., 2020). Updated data from the National Hospital Ambulatory Medical Care Survey (NHAMCS) show that from

User Group Discussion



- Topic suggestions and questions for the User Group can also be submitted through the MADiE Issue Tracker located here:
<https://oncprojecttracking.healthit.gov/support/projects/MADiE/summary>
- Additional questions or comments can be submitted by using the chat feature or unmuting your own line.
- Our next User Group will be held December 18 at 2 pm ET.

PII / PHI

- PHI and PII are prohibited in MADiE.
- Measure testing should only represent synthetic patient test data.
- Report any questions or concerns to the Help Desk.



Resources

MADiE Resources (1 of 4)

The [MADiE public website](#) provides a Login button to access MADiE.

The [Training & Resources](#) tab on the public website provides:

- **MADiE Access Guide** – how to get your MADiE account
- **MADiE User Guide** – provides details regarding tool functionality
- **JSON Test Case Guide** – steps for using the JSON test case editor. This document has been updated to include QI-Core v6.0.0 information.
- **Known Issues** – updated regularly
- **MADiE Version Information** – provides information about third party tools used by MADiE and the global shared libraries
- **MADiE Enhancement Request Form for CMS Contractors** – additional details required when submitting an enhancement request
- **MADiE CMS ID Deletion Request Form** – to request the CMS ID associated with a draft measure with no prior versions be deleted
- **MADiE Revert Measure Version Request Form** – to request a measure version number be reverted to a previous version number if the measure was versioned in error
- **MADiE Independent Testing Supplemental Guide** – provides information about testing a measure in MADiE by someone other than the measure developer of the measure
- **Release Notes** – posted with each MADiE release

MADiE Resources (2 of 4)

MADiE QI-Core Profile Examples – Updated to Include QI-Core v6.0.0

- The MADiE Test Case JSON Guide v2.1, available on the [Training & Resources](#) tab on the public website, has been updated to also provide guidance to aid MADiE users in updating or creating QI-Core v6.0.0 test cases in MADiE.
- The MADiE team has created a measure in MADiE (**QI-Corev6.0.0 Test Case Template**) with an included test case JSON bundle (**QI-Corev6Example Bundle**) which contains entries for many QI-Core v6.0.0 profiles.
- To continue to support QI-Core v4.1.1 test case creation, the measure (**QI-Corev4.1.1 Test Case Template**) with one test case (**QI-Corev4.1.1 Example Bundle version 2**) is available in MADiE.
- The purpose of these test case JSON bundles is to provide users the framework for commonly used QI-Core v4.1.1 and v6.0.0 profiles that can be leveraged with their own test case development.
- The QI-Core profiles examples in the v4.1.1 and the v6.0.0 JSON bundles are for guidance and are not intended to fulfill any measure or testing requirement. Updates to reflect the specific details of your test case will be necessary.
- Measure developers may copy any of the profiles from either of the test cases to your test case(s) (of the same QI-Core version) or use a source code editor (e.g., Notepad++ and Visual Studio Code) and make any updates needed to meet your testing needs. The test cases may also be exported.

MADiE Resources (3 of 4)

MADiE In Depth Training Videos

- Located on the public website [Training & Resources](#) tab
 - [Log In and Measures](#)
 - [QI-Core Test Cases](#)

MADiE Process Workflows

- [MADiE Help Desk Process](#)
- [MADiE Enhancement Request Process](#)

JIRA Status and Resolution Use Cases

- Located on the [MADiE Issue Tracker](#) Summary page

MADiE Resources (4 of 4)

MADiE

- <https://madie.cms.gov>

MADiE Release Schedule

- Located on the public website [Training & Resources](#) tab

MADiE Issue Tracker

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

eCQI Resource Center

- <https://ecqi.healthit.gov/>