



**Centers for Medicare & Medicaid Services
Center for Clinical Standards and Quality**

Measure Collaboration (MC) Workspace User Guide

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1. MC Workspace User Guide Overview

1.1 Introduction

The Measure Collaboration (MC) Workspace brings together a set of interconnected resources, tools, and processes to promote transparency and better interaction across the stakeholder communities that develop, implement, and report electronic clinical quality measures (eCQM). This MC Workspace User Guide provides detailed instructions for each module's use by beginner and advanced user roles.

1.2 MC Workspace End User Roles

The MC Workspace is a public resource for use by clinicians, implementers, hospital/clinician clinical quality and electronic health record (EHR) analysts, [health information technology \(IT\)](#) vendors, [measure developers](#), patient advocates, and others with an interest in quality measure development. The MC Workspace tools and resources provide another means for stakeholders within the community to contribute to the iterative measure development process. Although site visitors can search and view Proposed eCQM Concepts and Measures Under Development, registering for different account types provides the capability to give and gather feedback on eCQMs. Implementers, quality measure analysts, and non-developers will find that, by registering for an Electronic Clinical Quality Improvement (eCQI) Resource Center (RC) User account, they can provide feedback to measure developers and submit eCQM Concepts. For measure developers, registering for an eCQI RC User account and then requesting an MC Workspace Member Role provides additional posting and review capabilities useful in gathering feedback on their measure from the stakeholder community.







	Anonymous User	Any visitor to the site who has not logged-in
	Authenticated User	A visitor with an account on the eCQI RC who has logged-in
	Group Member	An MCW Member, assigned to a group and able to create content
	Group Editor	An MCW Member, able to edit all content within their group
	Site Admin	Site Administrator able to manage all users and content
	Site Moderator	Site Moderator able to manage subset of users and content

Figure 1. Simple Descriptions of the Six User Roles in the MC Workspace

1.2.1 Anonymous User Role

Anonymous users visiting the MC Workspace site can search and view all publicly visible content, as well as download publicly available attachments.

This user type also describes the experience of first-time visitors to the site. Specifically, Anonymous Users can:

- Search and view
 - Entries in the Proposed eCQM Concept Library
 - Measures Under Development
 - Items from the Data Element Repository (DERep)
- Download
 - Clinical Workflow attachments (Workflow Files)
 - Test Results attachments (Data Element Feasibility Templates)
- View all publicly visible comments posted by registered users (i.e., Authenticated Users or MC Workspace Member)
- Request an eCQI RC Account

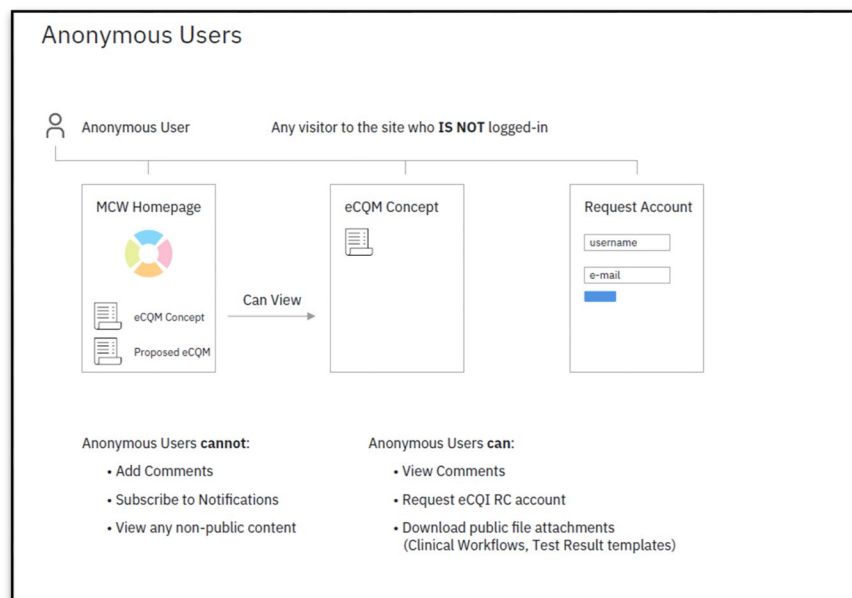


Figure 2. Anonymous User Overview

1.2.2 Authenticated User Role

Site visitors who register for an eCQI RC Account can then log into the site as an Authenticated User on subsequent visits. This user type is designed for the majority of the eCQM stakeholder community, specifically any stakeholder with an interest in providing input into the measure development process. Stakeholders with experience in using and/or implementing eCQMs can provide feedback to measure developers and CMS through the MC Workspace. This feedback

will help inform and further refine the Measures Under Development at points before the measure enters the rulemaking stage.

In addition to search, view, and download capabilities, an Authenticated User can comment on publicly visible content, subscribe to notifications, propose an eCQM Concept, and submit feedback on Measures Under Development directly to measure developers. Specifically, Authenticated Users can:

- Search and view
 - Items from the Proposed eCQM Concept Library
 - Measures Under Development
 - Items from the DERep
 - Publicly visible comments posted by registered users
 - Their own feedback previously submitted to a MC Workspace member measure developer
 - Their own Proposed eCQM Concept submission
- Download
 - Clinical Workflow attachments (Workflow Files)
 - Test Results attachments (Data Element Feasibility Templates)
- Submit
 - Propose an eCQM Concept
 - Public comments on eCQM Concepts, Proposed eCQMs, Clinical Workflows, or Test Results
 - Private feedback to measure developers on Measures Under Development (Proposed eCQM)
- Subscribe to email notifications about changes to publicly available content
- Register for an MC Workspace Membership (if the Authenticated User is a CMS Measure Developer)

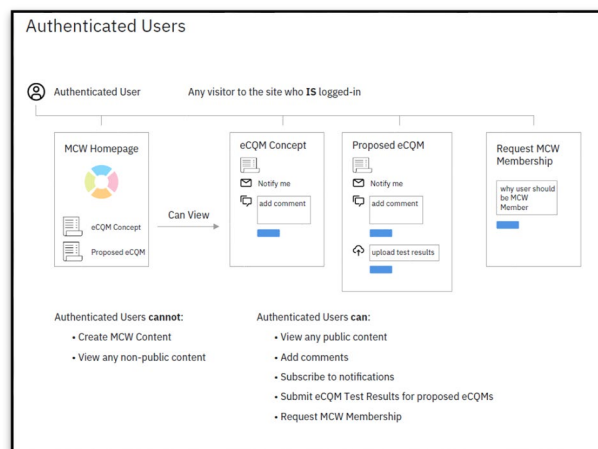


Figure 3. eCQI Authenticated User Overview

1.2.3 MC Workspace Group Member Role

MC Workspace Memberships are requested by CMS measure developer contractors who are looking to gather feedback on their Measure Under Development early in the measure development life cycle. The MC Workspace Group Member User Role and the MC Workspace Group Editor User Role are assigned only after a site moderator has vetted the membership request. In addition to the features of the Authenticated User, the MC Workspace Group Member can create MC Workspace content, view Group content, receive private feedback from stakeholders on clinical workflows and test results, and request content review from Group Editors.

The MC Workspace Group Member role, whose primary goal in using the MC Workspace is to flexibly solicit feedback on Measures Under Development, can:

- Create content for the MC Workspace in the form of a Proposed eCQM entry with Clinical Workflow and/or Testing Templates
- Edit their own content and submissions
- Belong to an organizational Group of related content creators
- View the content and any privately submitted feedback related to one's own authored content
- View the publicly submitted comments on eCQM Concepts, Clinical Workflows, or Test Results

In all cases, feedback from an Authenticated User to a measure developer author remains private to the author and any organizational Group member with Group Editor permissions.

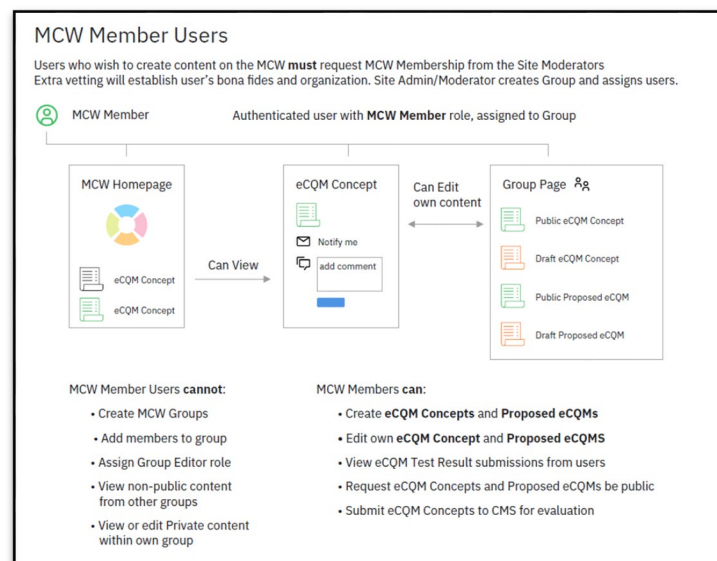


Figure 4. MC Workspace Group Member Overview

1.2.4 MC Workspace Group Editor

In addition to the capabilities of the MC Workspace Group Member, the MC Workspace Group Editor User Role manages and oversees the content created in the organizational Group.

Beyond the content creation capabilities described in the Group Member, the MC Workspace Group Editor also can:

- Edit the content of other Group Members
- View the private feedback submitted on any content belonging to the Group content
- Request from the Site Moderator that Group content be made public

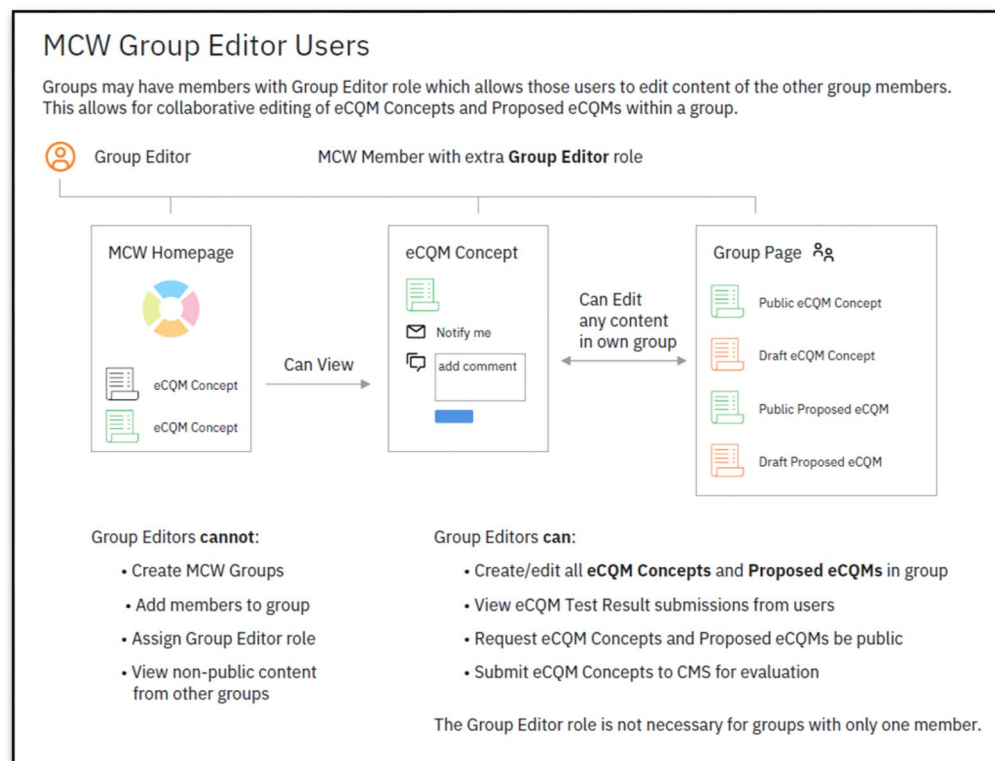


Figure 5. MC Workspace Group Editor Role Overview

2. Logging into the Tool

2.1 Creating an eCQI Resource Center User Account

An Anonymous User has multiple points to access the “Create New Account” Tab and submit information for an eCQI RC User account:

1. From the Account Menu in the upper header, click on the “Sign In: Manage Your Account” Tab.
 2. From the eCQM Concepts Tab, click on the “Create New Account” button.
- **Note:** You may also access a similar “Create New Account” button on the eCQM Clinical Workflow or eCQM Test Results tabs.

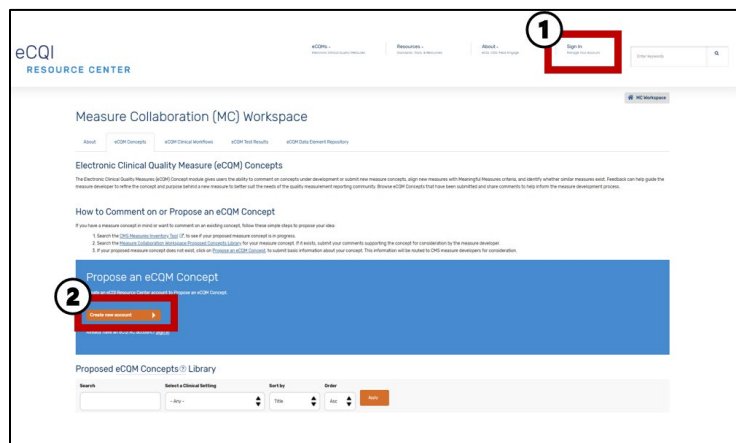


Figure 6. eCQM Concept Landing Page

To create an eCQI RC User account, navigate to the “Create New Account” Tab on the Sign In page and fill in the required fields.

Figure 7. Create New Account Page

Four fields are required (user type, email address, a username, and the captcha answer), and five fields are optional. Required fields appear with a red star by their name; if all four are not filled out before submitting, then the system will not proceed with creating an account. Missing fields will then appear with a red outline and a pop-up message.

Table 1 describes the fields in the new account request form.

Table 1. Fields in the New Account Request Form

Type of Field	Field Name	Description
Required	User Type	Your selection should best answer the question, “How might I describe myself to others in the greater clinical quality measure community?”
Required	Email Address	Provide an email address to be used for password recovery, periodic news/notifications, and subscription alerts.
Required	Username	Create a name to be used to identify you publicly within the MC Workspace. This name will appear on any comments or content you post. It will also be the username you may use to log in to your account.
Required	Captcha answer	Completing the math problem will be used to prove you are not a bot and that you are representing your own interests in submitting a request for an account.
Optional	Name	Your first and last name, which is used only for account management purposes only. Full names are not made public on the site.
Optional	Organization	Describes the associated organization(s) that relate to your work and interest in clinical quality measures.
Optional	Role	Describes the roles held with the associated organizations.
Optional	Opt-out of News and Events emails	Selecting this field will omit your name from any periodic news or events email lists sent from the MC Workspace administrators.
Optional	Email subscriptions	Selecting this field will allow you to receive updates to any subscribed site content. This is selected by default.
Optional	Locale settings	Select the time zone that best represents your own. This selection determines how dates and time are displayed to you on the site.

2.2 Requesting MC Workspace Membership

By requesting an MC Workspace Membership, measure developers will have access to additional site capabilities that allow them to gather feedback from the greater stakeholder community on their measure under development. After requesting an eCQI RC User Account, an Authenticated End User should submit details to the site moderator to request an MC Workspace Membership.

1. Identify that you are signed in as an Authenticated User.
 - a. The “Account Menu” Tab in the upper header now reads, “My Account: Manage Your Account” when you, as a user, have logged into your account.
2. Navigate to the “eCQM Clinical Workflow” Tab.
3. Generate a membership request form by clicking the “Request MC Workspace Membership” button.

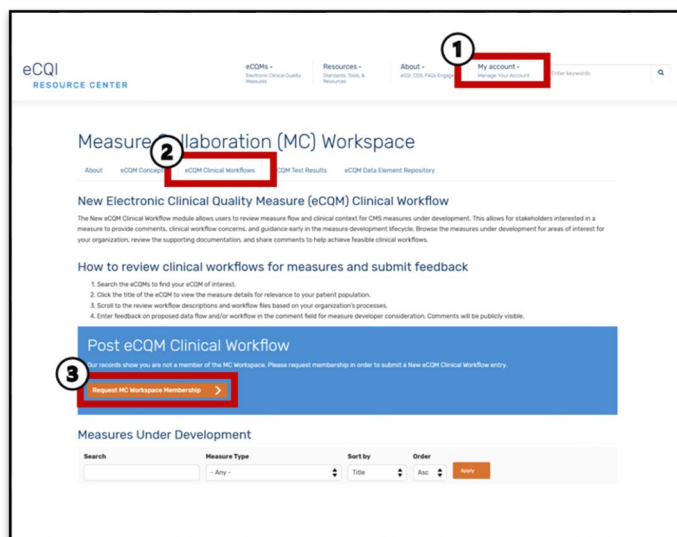


Figure 8. New eCQM Clinical Workflow Tab to Request MC Workspace Membership

4. Fill out the requested information and submit to the site moderator to review. Once submitted, additional instruction will be provided in follow up emails.

Figure 9. Request MCW Membership Form

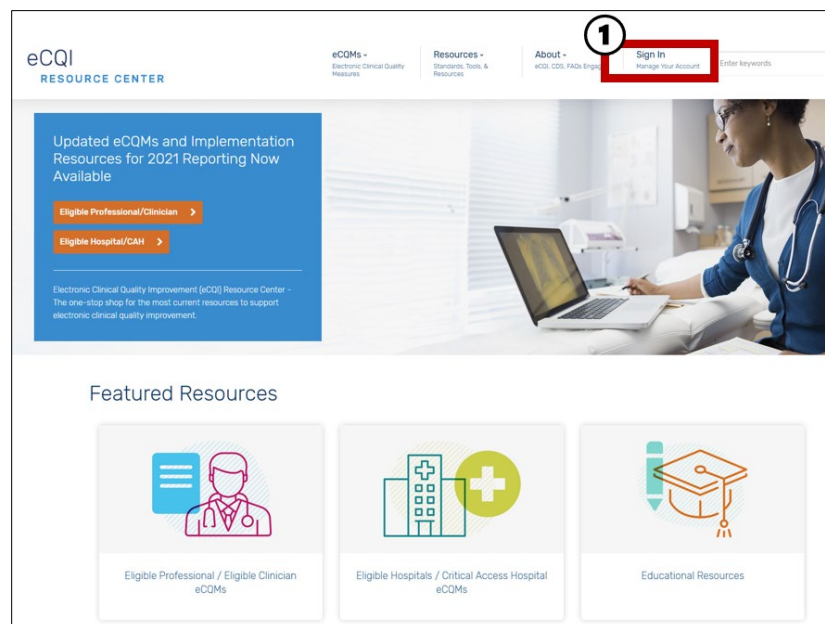
Table 2 describes the fields on the request for MC Workspace membership form.

Table 2. Fields in the Request MC Workspace Membership Form

Field Name	Description
Reason	This answer helps the site moderator understand more about you, your professional quality measure work, and/or the organization you represent. Your answer should explain your reason for requesting membership and your experience in eCQM activities.
Full Name (Referrer)	If you were referred, as is commonly the case for users who wish to join already established organizational Groups, this answer helps the site moderator confirm, create, and assign the appropriate roles and permissions to your account.
Referrer E-mail	Like the referrer's full name, this answer helps the site moderator confirm, create, and assign account roles and permissions associated with an organizational Group.
Organization	This answer helps the site moderator either identify your existing organizational Group (as is the case of referrals) or help establish a new organizational Group for you.

2.3 Logging In

1. From the Account Menu in the upper header, click on the “Sign In: Manage Your Account” Tab.
2. From the first Tab of the Log In page, submit the required information.

**Figure 10. eCQI Resource Center Home Page**

eCQI
RESOURCE CENTER

eCQIs -
Electronic Clinical Quality
Measures

Resources -
Standards, Tools, &
Resources

About -
eCQI, CDS, P4G Engage

Sign In
Manage Your Account

Enter keywords

2 Log in

[Log in](#) [Create new account](#) [Reset your password](#)

Username or Email *

Enter your eCQI Resource Center username or email.

Password *

Enter the password that accompanies your username.

[Log in](#)

This warning banner provides privacy and security notices consistent with applicable federal laws, directives, and other federal guidance for accessing this Government system, which includes all devices/storage media attached to this system. This system is provided for Government-authorized use only. Unauthorized or improper use of this system is prohibited and may result in disciplinary action and/or civil and criminal penalties. At any time, and for any lawful Government purpose, the government may monitor, record, and audit your system usage and/or intercept, search and seize any communication or data transiting or stored on this system. Therefore, you have no reasonable expectation of privacy. Any communication or data transiting or stored on this system may be disclosed or used for any lawful Government purpose.

Figure 11. eCQI Resource Center Log In Page

3. Working in the eCQM Concepts Module

The eCQM Concept module gives users the capability to comment on concepts under development, submit new measure concepts, align new measures with Meaningful Measures criteria, and identify whether similar measures exist. Feedback can help guide the measure developer to refine the concept and purpose behind a new measure to better suit the needs of the quality measurement reporting community. Browse eCQM Concepts that have been submitted and share comments to help inform the measure development process.

3.1 How to Review and Comment on an eCQM Concept

1. Identify that you are signed in as an Authenticated User.
2. Navigate to the “eCQM Concept” Tab.
3. Search through the Proposed eCQM Concepts Library for the eCQM Concept of interest.
4. Click on the “eCQM Concept” of interest.

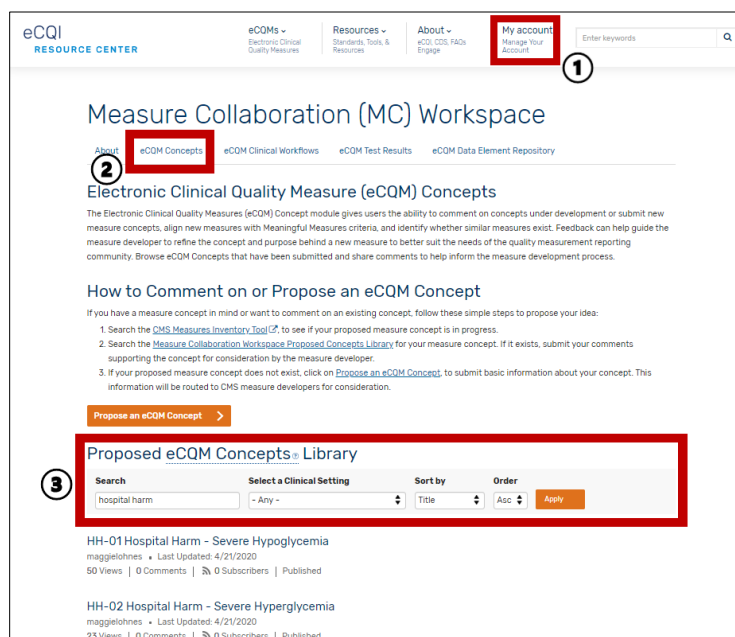


Figure 12. eCQM Concept Landing Page

5. Review the eCQM Concept detail and any relevant measure documents.
6. In the Add new comment field, enter a comment for the author and eCQI RC user community.
7. Click the “Save” button. This action sends your comment to the site moderator for review and approval.
8. Upon site moderator review, the comment may be approved or further updates may be needed.

- a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your comment has been approved. After site moderator approval, your comment is now visible to the public for review.
- b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the comment for publishing.

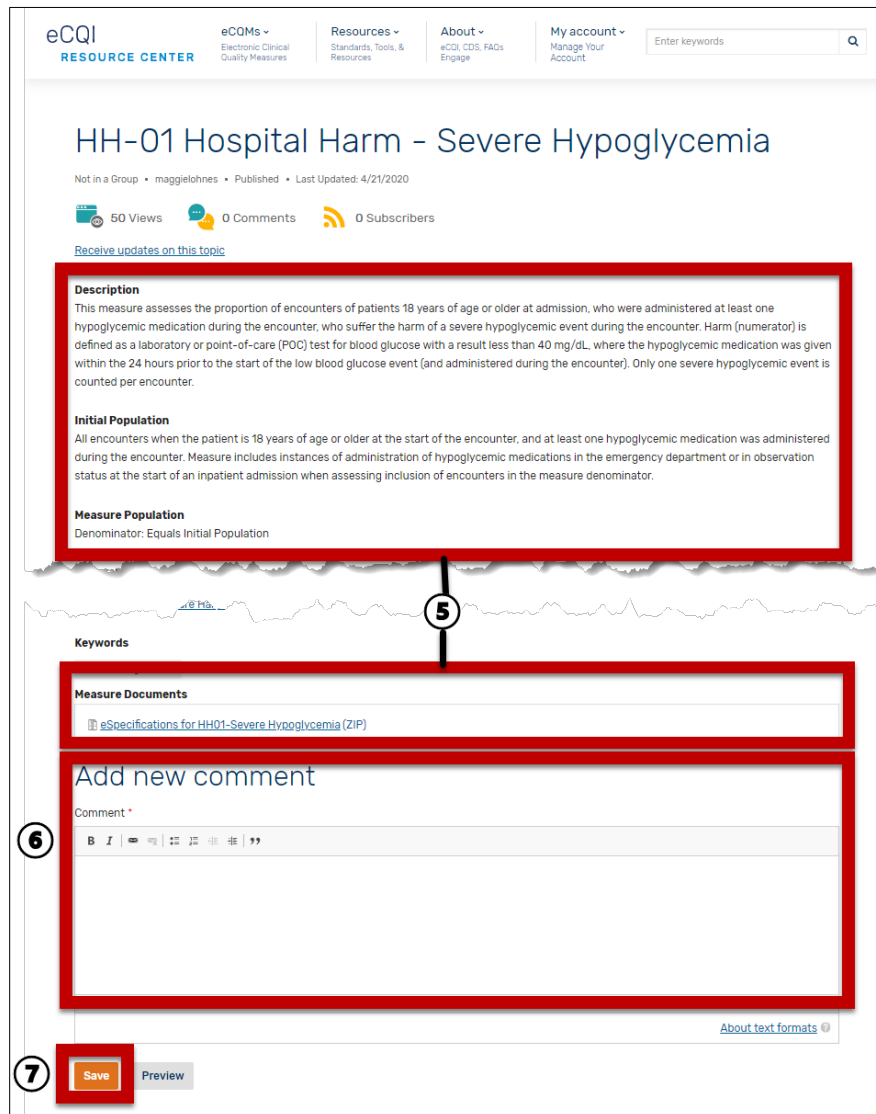


Figure 13. Sample eCQM Concept Detail Page

3.2 How to Propose an eCQM Concept for Feedback from the eCQI Resource Center User Community

1. Identify that you are signed in as an Authenticated User.
2. Navigate to the “eCOM Concept” Tab.

3. Search for similar concepts within the Proposed eCQM Concepts Library.
4. Search the Featured Research Resources for related measure concepts under development or in progress.
5. Click on the “Propose an eCQM Concept” button.

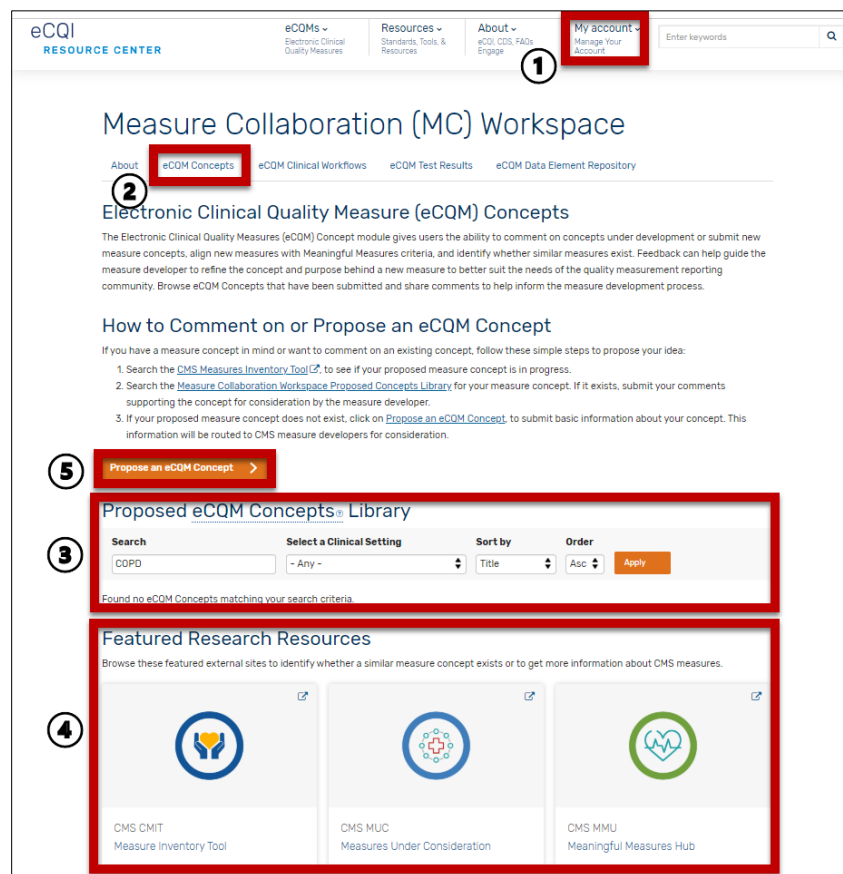


Figure 14. eCQM Concept Landing Page

6. Complete the Create eCQM Concept form.
 - a. There are four required fields – Title, Description, Care Setting, and Rationale.
 - b. Table 3 describes the fields of the eCQM Concept form.

Table 3. Fields in the Create eCQM Concept Form

Type of Field	Field Name	Description
Required	Title	Provide a brief measure title reflecting the clinical intent of your measure.
Required	Description	Provide a brief description of the clinical focus area, target population, and relevant background information.
Required	Care Setting	Select the care setting that is most relevant to this clinical focus area.
Required	Rationale	Describe why you think this eCQM concept is important to measure.
Optional	Initial Population	Describe the characteristics of the target population that would be included in this measure concept.
Optional	Measure Population	Describe the characteristics of any other measure populations you envision as part of this measure concept.
Optional	Meaningful Measure Areas	Select the appropriate Meaningful Measure Area for this measure concept.
Optional	Keywords	Provide keywords that could be used to search for this measure concept

7. At the bottom of the eCQM Concept form, click on the dropdown arrow to display the options to “Save and Continue Later” or “Save and Request Public Review.”
 - a. “Save and Continue Later” is used when you would like to complete the eCQM Concept form at another time.
 - If you start the form and would like to complete it later, click on “Save and Continue Later.”
 - A green banner will appear showing that your eCQM Concept has been created.
 - b. “Save and Request Public Review” is used when you are ready to submit your eCQM Concept to the site moderator for review and approval.

Create eCQM Concept

Title * Chronic Obstructive Pulmonary Disease (COPD): Spirometry Evaluation

Description *

Rationale *

Concept Population

Meaningful Measure Area

Keywords

Description *

B I [Rich Text Editor Icons]

Percentage of patients aged 18 years and older with a diagnosis of COPD who had spirometry results documented. Sample concept is taken from Quality ID #51 NQF0091 measure. A clinical diagnosis of COPD should be considered in any patient who has dyspnea, chronic cough or sputum production, and a history of exposure to risk factors for the disease. Spirometry is required to make the diagnosis in this clinical context.

body p

[About text formats](#)

Provide a brief description of the clinical focus area, target population, and relevant background information.

Care Setting * Clinician/Healthcare Professional Office

Select the care setting that is most relevant to this clinical focus area.

7a Save and Continue Later

7b Save and Request Public Review

7

Figure 15. Create eCQM Concept Form

3.3 How to Complete an eCQM Concept Already Started

1. Identify that you are signed in as an Authenticated User.
2. Click on the “My account” menu at the top and select “My Account.”
3. Click on the “My eCQM Concepts” Tab to display eCQM Concepts that you have authored.
4. Locate the eCQM Concept you would like to complete and click on the “Edit” link.

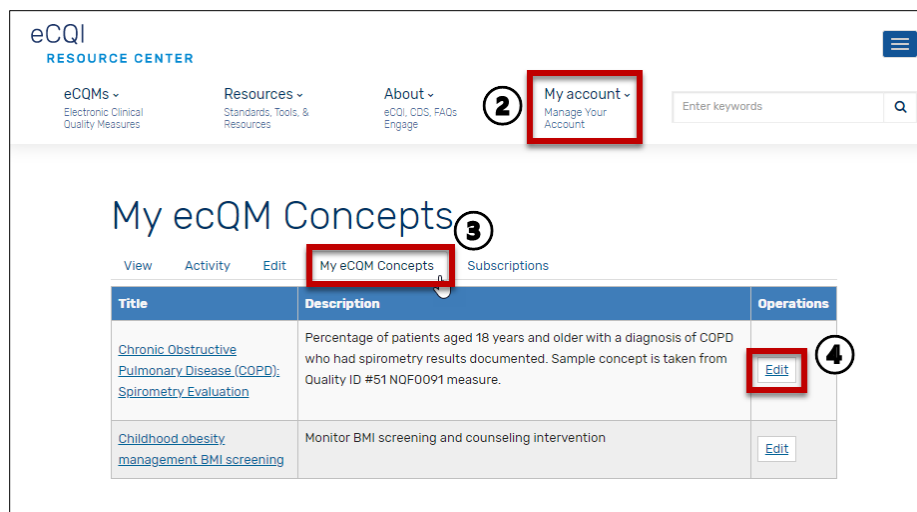


Figure 16. My eQM Concepts List

5. Complete the remaining fields in the eQM Concept form.
6. When you are ready to submit, at the bottom of the form, click on the arrow to the right of the “Save and Continue Later” button to expand the dropdown list.
7. Click on the “Save and Request Review” button. This action sends your eQM Concept to the site moderator for review and approval.

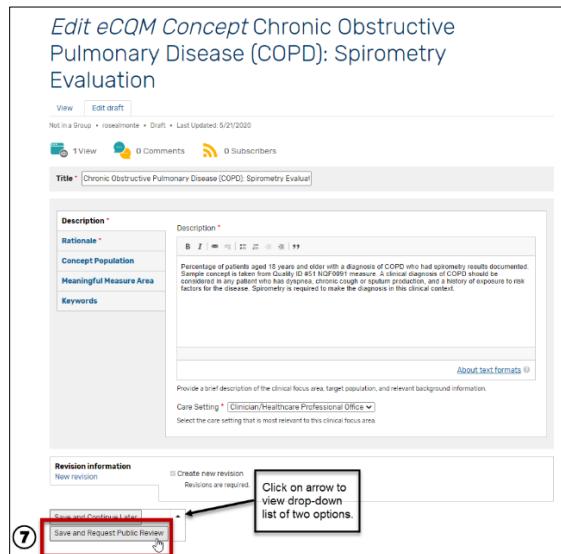


Figure 17. Edit eQM Concept Form

8. A green banner will appear showing that your eQM Concept has been updated.
9. Upon site moderator review, the eQM Concept may be approved or further updates may be needed.

- a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your content has been approved. After site moderator approval, your eCQM Concept is now visible to the public for review and authenticated users can share feedback through commenting on your eCQM Concept.
- b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the eCQM Concept for publishing.

3.4 How to Submit an eCQM Concept to CMS for Review

1. Identify that you are signed in as an Authenticated User.
2. Click on the “My account” menu at the top and select “My Account.”
3. Click on the “My eCQM Concepts” tab to display eCQM Concepts that you have authored.
4. To submit an eCQM Concept to CMS for Review, it must have already been reviewed and approved by the site moderator and published. Locate the eCQM Concept you would like to submit for CMS Review and click on the “Edit” link.

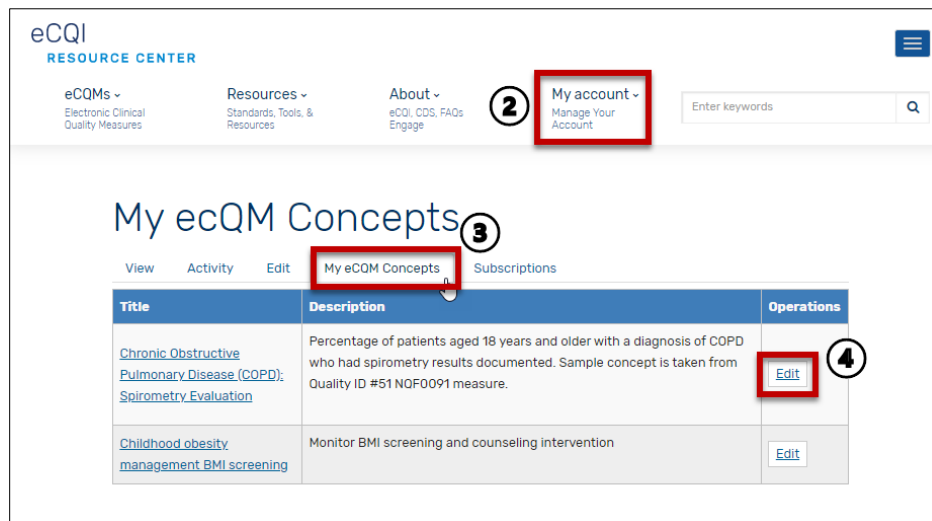


Figure 18. My eCQM Concept List

5. Click on the “Save and Request CMS Review” button at the bottom left of the screen.

Edit eCQM Concept Chronic Obstructive Pulmonary Disease (COPD): Spirometry Evaluation

View New draft

Not in a Group • rosealmonite • Published • Last Updated: 5/21/2020

3 Views 0 Comments 0 Subscribers

Title Chronic Obstructive Pulmonary Disease (COPD): Spirometry Evaluation

Description

Rationale

Concept Population

Meaningful Measure Area

Keywords

Percentage of patients aged 18 years and older with a diagnosis of COPD who had spirometry results documented. Sample concept is taken from Quality ID #51 HQP0091 measure. A clinical diagnosis of COPD should be considered in any patient who has dyspnea, chronic cough or sputum production, and a history of exposure to risk factors for the disease. Spirometry is required to make the diagnosis in this clinical context.

[About text formats](#)

Provide a brief description of the clinical focus area, target population, and relevant background information.

Care Setting **Clinician/Healthcare Professional Office**

Select the care setting that is most relevant to this clinical focus area.

Revision information

New revision **5** Create new revision
Revisions are required.

Save and Request CMS Review

Last Updated: May 21, 2020

Figure 19. Edit eCQM Concept Form

6. A green banner will appear showing that your eCQM Concept has been updated. This action will send your eCQM Concept to the CMS measure developer team for review.

3.5 How to Receive Updates on a Specific eCQM Concept

1. Identify that you are signed in as an Authenticated User.
2. Navigate to the “eCQM Concept” Tab.
3. Search through the Proposed eCQM Concepts Library for the eCQM Concept of interest.
4. Click on the “eCQM Concept” of interest.

eCQM RESOURCE CENTER

Measure Collaboration (MC) Workspace

About **eCQM Concepts** eCQM Clinical Workflows eCQM Test Results eCQM Data Element Repository

Electronic Clinical Quality Measure (eCQM) Concepts

The Electronic Clinical Quality Measures (eCQM) Concept module gives users the ability to comment on concepts under development or submit new measure concepts, sign new measures with Meaningful Measures criteria, and identify whether similar measures exist. Feedback can help guide the measure developer to refine the concept and purpose behind a new measure to better suit the needs of the quality measurement reporting community. Browse eCQM Concepts that have been submitted and share comments to help inform the measure development process.

How to Comment on or Propose an eCQM Concept

If you have a measure concept in mind or want to comment on an existing concept, follow these simple steps to propose your idea:

1. Search the [CMS Measure Inventory Tool](#) to see if your proposed measure concept is in progress.
2. Search the [Measure Collaboration Workspace Proposed Concepts Library](#) for your measure concept. If it exists, submit your comments supporting the concept for consideration by the measure developer.
3. If your proposed measure concept does not exist, click on [Propose an eCQM Concept](#) to submit basic information about your concept. This information will be routed to CMS measure developers for consideration.

Propose an eCQM Concept

Proposed eCQM Concepts: Library

Search **Select a Clinical Setting** **Sort by** **Order**

COPD - Any - Title Asc Apply

Chronic Obstructive Pulmonary Disease (COPD): Spirometry Evaluation

rosealmonite • Last Updated: 5/21/2020
3 Views | 0 Comments | 0 Subscribers | Published

Figure 20. eCQM Concept Landing Page

- Click on the link to “Receive updates on this topic.” A message will appear showing that you have subscribed to receiving updates. You will then receive email notifications when updates or comments are posted to the eCQM Concept.

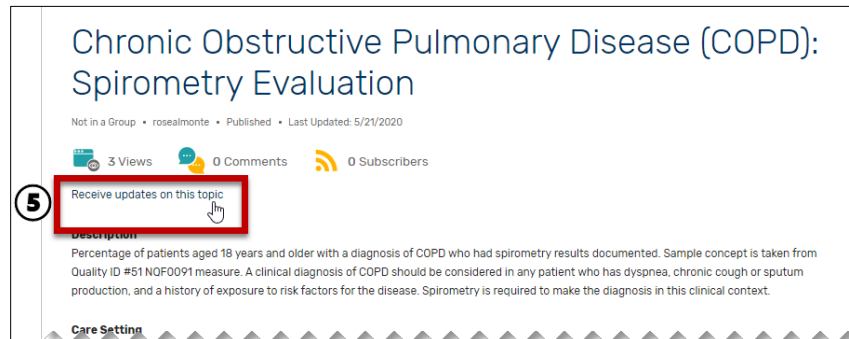


Figure 21. eCQM Concept Detail to Receive Updates

3.6 How to Stop Receiving Updates on a Specific eCQM Concept

- Identify that you are signed in as an Authenticated User.
- Navigate to the “eCQM Concept” Tab.
- Search through the Proposed eCQM Concepts Library for the eCQM Concept of interest.
- Click on the “eCQM Concept” of interest.
- Click on the link to “Stop receiving updates on this topic.” A message will appear showing that you are no longer subscribed to receiving updates.

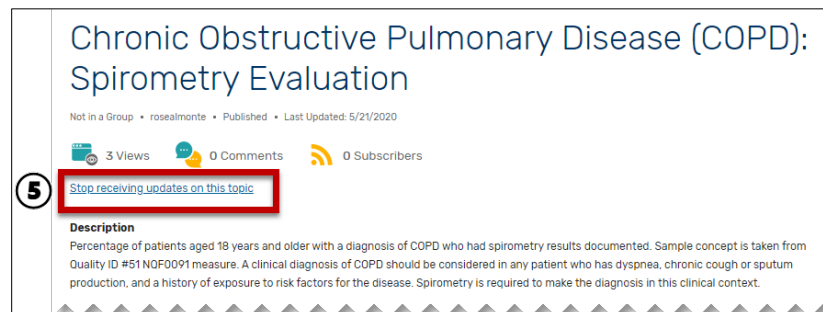


Figure 22. eCQM Concept Detail to Stop Receiving Updates

3.7 How to Modify a Published eCQM Concept

- Identify that you are signed in as an Authenticated User or an MC Workspace member.
- Click on the “My account” menu at the top and select “My Account.”
- Click on the “My eCQM Concepts” Tab to display eCQM Concepts that you have authored.
- Locate the eCQM Concept you would like to modify and click on the “Edit” link.

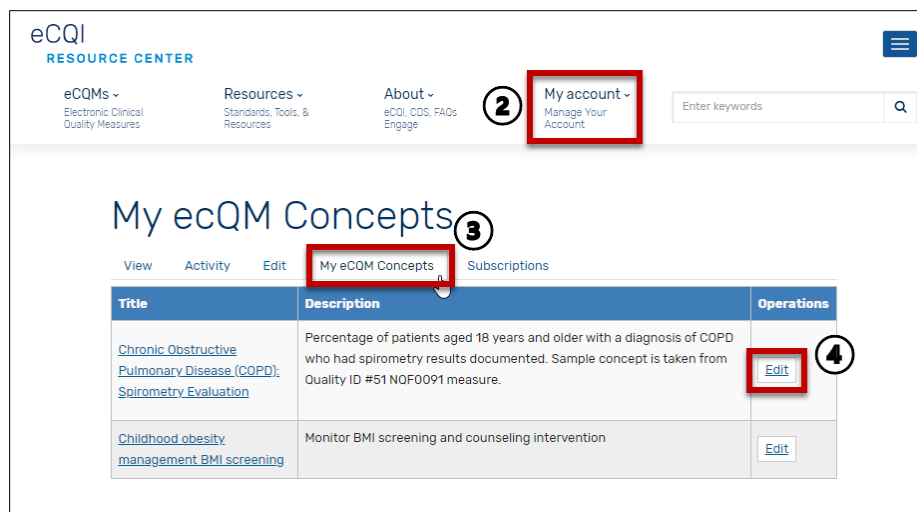


Figure 23. My Account My eCQM Concepts List

5. The eCQM Concept form will appear. Make the desired modifications to the eCQM concept.
6. At the bottom of the eCQM Concept form, click on the dropdown arrow to display the options to “Save and Create New Draft” or “Save and Request CMS Review.” (**Note:** You may complete these steps in a different sequence but you will still have options to save your content or continue later.)
 - a. “Save and Create New Draft” is used when you would like to complete the eCQM Concept modifications later.
 - If you start the form and would like to complete it later, click on “Save and Continue Later.”
 - A green banner will appear showing that your eCQM Concept has been created.
 - b. “Save and Request CMS Review” is used when you are ready to submit your eCQM Concept to the CMS for review.
 - A green banner will appear showing that your eCQM Concept has been updated.
7. Upon site moderator review, the eCQM Concept may be approved or further updates may be needed.
 - a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your content has been approved. After site moderator approval, your eCQM Concept is now visible to the public for review and authenticated users can share feedback by commenting on your eCQM Concept.
 - b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the eCQM Concept for publishing.

Edit eCQM Concept Chronic Obstructive Pulmonary Disease (COPD): Spirometry Evaluation

View


New draft


Delete

Revisions

Not in a Group • mitre_user1 • Published • Last Updated: 5/29/2020

 5 Views

 0 Comments

 0 Subscribers

Title * Chronic Obstructive Pulmonary Disease (COPD): Spirometry Evaluation

Description *


Rationale *

Concept Population

Meaningful Measure Area

Keywords

Description *

B *I* 

Percentage of patients aged 18 years and older with a diagnosis of COPD who had spirometry results documented. Sample concept is taken from Quality ID #51 NQF0091 measure. A clinical diagnosis of COPD should be considered in any patient who has dyspnea, chronic cough or sputum production, and a history of exposure to risk factors for the disease. Spirometry is required to make the diagnosis in this clinical context.

[About text formats ?](#)

Provide a brief description of the clinical focus area, target population, and relevant background information.

Care Setting * Clinician/Healthcare Professional Office

Select the care setting that is most relevant to this clinical focus area.

Revision information

New revision

☒ Create new revision

Revisions are required.

Save and Create New Draft

Save and Request CMS Review

Delete

Figure 24. Edit eCQM Concept Form

4. Working in the New eCQM Clinical Workflow Module

The New eCQM Clinical Workflow module allows users to review measure flow and clinical context for CMS Measures Under Development. This allows stakeholders interested in a measure to provide comments, clinical workflow concerns, and guidance early in the measure development life cycle. Browse the Measures Under Development for areas of interest for your organization, review the supporting documentation, and share comments to help achieve feasible clinical workflows.

4.1 How to Review and Comment on a Measure under Development in the New eCQM Clinical Workflow

1. Identify that you are signed in as an Authenticated User or an MC Workspace member.
2. Navigate to the “New eCQM Clinical Workflow” Tab.
3. Search through the “Measures Under Development” for the measure of interest.
4. Click on the measure of interest.

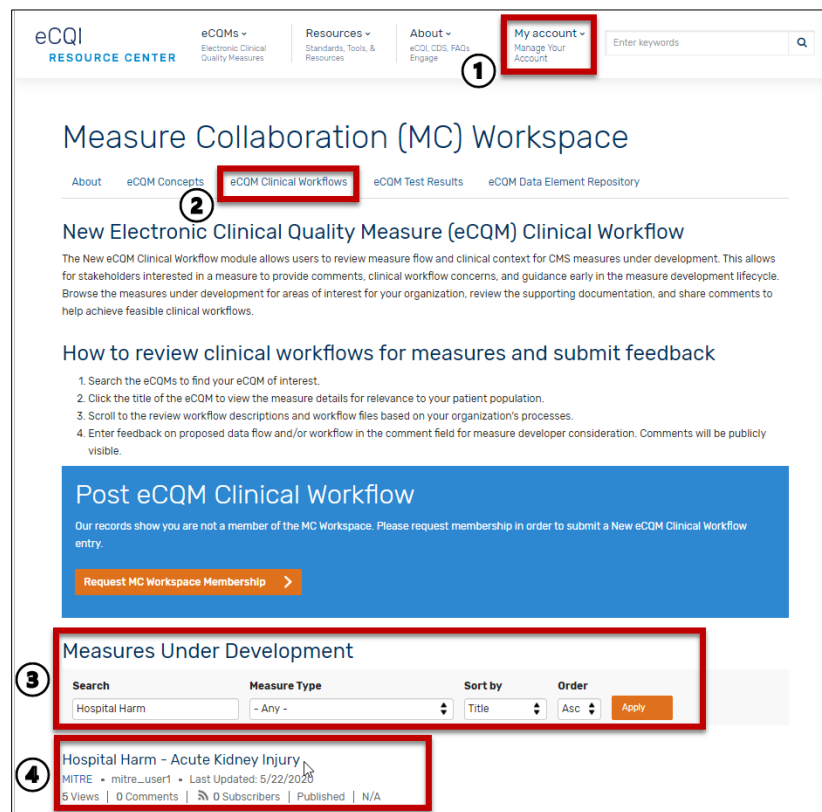


Figure 25. eCQM Clinical Workflow Landing Page

1. Review the measure detail and any relevant measure documents.
2. In the “Add new comment” field, enter a comment for the author and eCQI RC user community.
3. Click “Save.” This action sends your comment to the site moderator for review and approval.
4. Upon site moderator review, the comment may be approved or further updates may be needed.
 - a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your comment has been approved. After site moderator approval, your comment is now visible to the public for review. Your comment will also be sent to the author of the measure under development.
 - b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the comment for publishing.

Hospital Harm - Acute Kidney Injury

MITRE • mitre_user1 • Published • Last Updated: 5/22/2020

5 Views • 0 Comments • 0 Subscribers

[Receive updates on this topic](#)

Description
The proportion of hospitalized patients age 18 years and older, who during their hospitalization suffer the harm of a substantial increase in serum creatinine, defined as greater than or equal to 1.5 times baseline, OR the initiation of renal dialysis (hemodialysis or peritoneal dialysis), during the measurement period.

Rationale
This measure focuses on acute kidney injury as an outcome in the hospital inpatient setting. Acute kidney injury affects up to 10% of hospitalized patients (Wilson et al., 2013)(Chertow 2003), comparable to the rates of severe sepsis (Hoste, Schurgers, 2008) and acute lung injury (Wilson et al., 2015)(Solstein et al., 2016)(McCoy et al., 2010). Less severe acute kidney injury and acute kidney injury requiring dialysis affects approximately 2,000 to 3,000 and 200 to 300 per million population per year, respectively. Up to two thirds of intensive care patients will develop acute kidney injury. Acute kidney injury may result in the need for dialysis, and is associated with an increased risk of mortality (Wilson et al., 2013).

Clinical Workflow

Workflow Description
Please see attached data flow and comment on feasibility or impact to clinical workflow.

Follow the below instruction to provide feedback on the workflow file:

1. Download the .pdf of the workflow.
2. Open the file in Adobe Reader.
3. Click on "Comment" and choose to add sticky notes or text boxes directly on the workflow sections you have feedback on.
4. Save the file.
5. To upload the feedback to the MC Workspace for measure developer review, navigate to the MC Workspace -> New eCOM Clinical Workflow module, and open the eCOM of interest. (If you are not already logged in, you will need to login to the eCQI Resource Center)
6. Scroll down to the Feedback Submission Form.
7. In the file upload section, click on "Browse", locate your saved file, click on "Submit" to upload the file.

Workflow Files

[Acute Kidney Injury_ClinicalDataFlow_IMPAQ.pdf \(PDF\)](#)

Add new comment

Comment *

Save **Preview**

Figure 26. Sample Measure Under Development Detail Page

4.2 How to Submit Clinical Workflow Feedback to the Measure Developer

1. Identify that you are signed in as an Authenticated User or an MC Workspace member.
2. Navigate to the “New eCQM Clinical Workflow” Tab.
3. Search through the “Measures Under Development” for the measure of interest.
4. Click on the measure of interest.

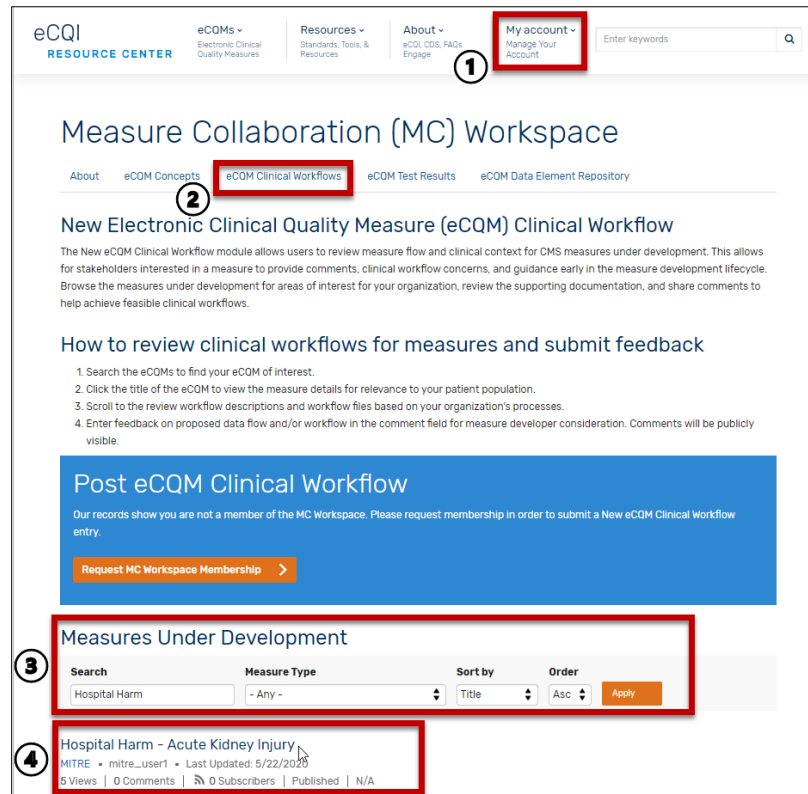


Figure 27. eCQM Clinical Workflow Landing Page

5. Review the measure detail and any relevant measure documents.
6. To view workflow files, click on the file name and the file will open in your browser.

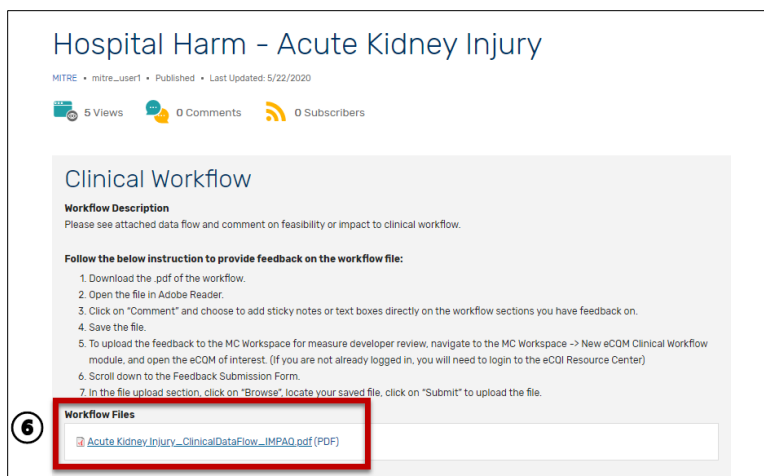


Figure 28. Sample Measure Under Development Workflow Files

1. To annotate a Portable Document Format (PDF) version of the workflow file, click on the download option (in Google Chrome browser) or save option (in Microsoft Edge browser) in the top right corner.

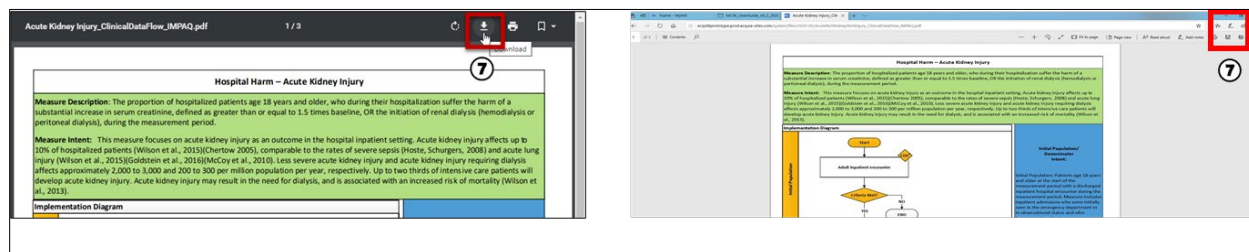


Figure 29. Sample Workflow File Download Step

2. Click on "Save" to save to your computer.

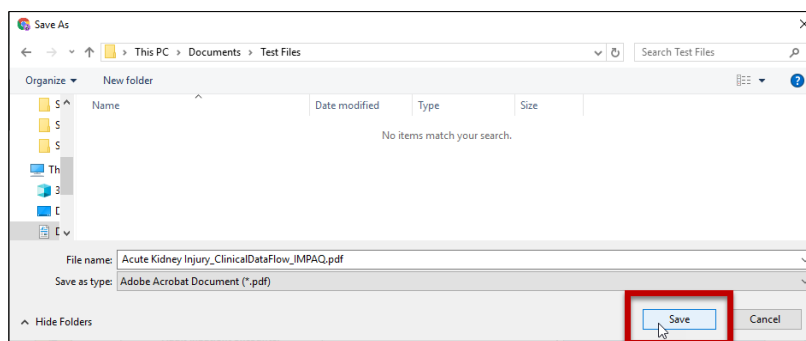


Figure 30. Sample Workflow File Save Step

1. Open the file in Adobe Acrobat Reader. Click on "Comment" to annotate the file with your feedback.

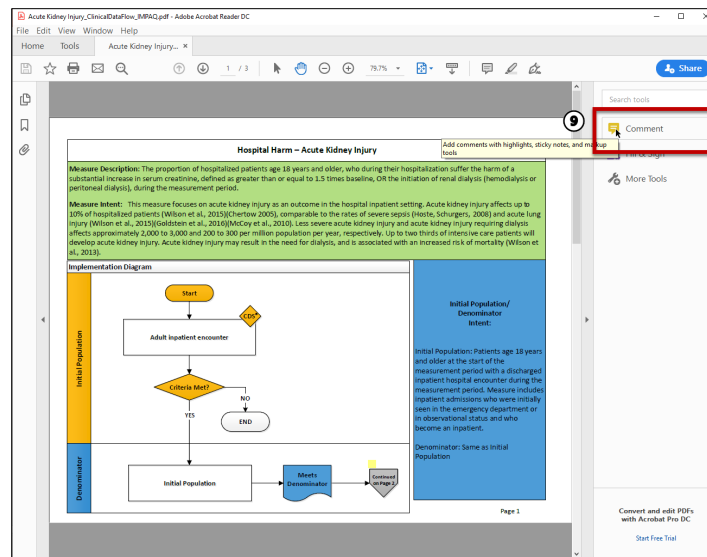


Figure 31. Sample Workflow File Comment Step

2. Choose to add sticky notes or text boxes directly on the workflow sections where you have feedback.
3. Save the file.

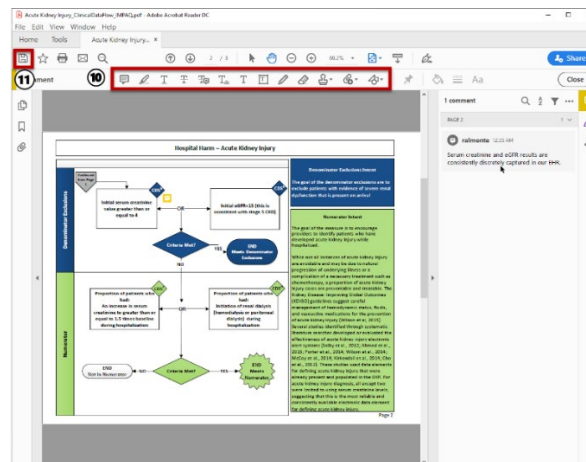


Figure 32. Sample Workflow File PDF Editing Options

1. Return to the “New eCQM Clinical Workflow” Tab and select the measure to submit your feedback.
2. Scroll down to the “Feedback Submission” form for this measure and enter any supporting comments about the measure and clinical workflow considerations.
3. Click on the “Browse” button to upload supporting files to include workflow documents that you commented on, screenshots of documentation screens, policies and procedures, or any other documentation that would be helpful to measure developers to understand clinical workflow implications of the measure. (If you accidentally upload a document, click on the box to the left of the document, and click the “Remove selected” button.)

- Click on the “Submit” button to share feedback and files. This action notifies the measure developer of your feedback. The information you share on the Feedback Submission form is visible to the measure developer. The information submitted on the Feedback Submission form is not visible to the public.

Feedback Submission

You may use this form to submit feedback to the measure developer. CMS is interested in your feedback on clinical workflow, data element feasibility, or any aspect of the measure. You can add general comments and/or upload any files that might help inform the measure development process.

The information and files submitted with this Feedback Submission Form will be sent to the measure developer for consideration and will not be visible to the public.

Reminder: Do not include any Protected Health Information (PHI) in the Measure Collaboration Workspace.

Comments on clinical workflow, data element feasibility, or other feedback

This would be a valuable measure in our organization where we have a high volume of acute kidney injury patients. The workflow presented would be feasible, and we consistently capture the necessary lab results and dialysis procedures. Our organization uses the XYZ EHR. Attached is feedback on the workflow and a document containing screenshots of our documentation screens, and policies surrounding care of our AKI patients.

Comments are optional. Describe any additional information (e.g., type of organization, clinical site, health IT software versions used) that will help inform the development of this measure.

Upload supporting files

Upload...

Acute Kidney Injury_ClinicalDataFlow_IMPAQ_annotate.pdf (PDF)

HCW Documentation 2020.docx

Remove selected

These files can be annotated clinical workflow files, completed data element feasibility forms, or any other documentation for the measure developer. Unlimited number of files can be uploaded to this field. 256 MB limit. Allowed types: doc, docx, pdf, ppt, pptx, xls, xlsx, png, jpeg, gif.

Submit

Figure 33. Sample Feedback Submission Form

4.3 How to Submit a Measure under Development for Clinical Workflow Feedback

- Identify that you are signed in as an MC Workspace member.
- Navigate to the “New eCQM Clinical Workflow” Tab.
- Click on the “Post eCQM Clinical Workflow” button.

eCOMs - Electronic Clinical Quality Measures | Resources - Standards, Tools, & Resources | About - eCO, CDS, FAQs, Engage | **My account - Manage your account** | Enter keywords

MC Workspace | Notifications 0

Measure Collaboration (MC) Workspace

About | eCQM Concepts | **eCQM Clinical Workflows** | eCQM Test Results | eCQM Data Element Repository

New Electronic Clinical Quality Measure (eCQM) Clinical Workflow

The New eCQM Clinical Workflow module allows users to review measure flow and clinical context for CMS measures under development. This allows for stakeholders interested in a measure to provide comments, clinical workflow concerns, and guidance early in the measure development lifecycle. Browse the measures under development for areas of interest for your organization, review the supporting documentation, and share comments to help achieve feasible clinical workflows.

How to review clinical workflows for measures and submit feedback

- Search the eCOMs to find your eCQM of interest.
- Click the title of the eCQM to view the measure details for relevance to your patient population.
- Scroll to the review workflow descriptions and workflow files based on your organization's processes.
- Enter feedback on proposed data flow and/or workflow in the comment field for measure developer consideration. Comments will be publicly visible.

Post eCQM Clinical Workflow

Measures Under Development

Search: [] | Measure Type: [Any] | Sort by: [Title] | Order: [Asc] | Apply

Figure 34. eCQM Clinical Workflow Landing Page

1. Complete the Post eCQM Workflow and/or Testing Template form. Note that this form can be used to gather stakeholder feedback on clinical workflow and data element feasibility. To ensure the measure under development appears in the New eCQM Clinical Workflow tab, you must complete the Clinical Workflow – Workflow Description field. To ensure the measure under development appears in the eCQM Test Results tab, you must complete the Test Results – Testing Description field. You can elect to complete Clinical Workflow information, Test Result information, or both sections.
 - a. There are three required fields – Title, Description, and Rationale
 - b. Table 4 describes the fields of the Post eCQM Workflow and/or Testing Template form.

Table 4. Fields in the Post eCQM Workflow and/or Testing Template Form

Field Type	Field Name	Description
Required	Title	Provide a brief measure title reflecting the clinical intent of your measure.
Required	Description	Provide a brief description of the clinical focus area, target population, and relevant background information.
Required	Rationale	Describe why you think this eCQM concept is important to measure.
Optional	Parent eCQM Concept	This field lists eCQM Concepts published to the MC Workspace. Select the related eCQM Concept if there is an applicable link.
Optional	Initial Population	Describe the characteristics of the target population that would be included in this measure concept.
Optional	Measure Scoring	Select the proposed measure scoring method.
Optional	Measure Type	Select the proposed measure type.
Optional	Measure Population	Describe the characteristics of any other measure populations you envision as part of this measure concept.
Optional	External References, CMIT ID	If applicable, enter the corresponding CMS Measures Inventory Tool (CMIT) ID.
Optional	External References, URL	If applicable, enter the website link to the corresponding CMIT measure page.
Optional	External References	If applicable, enter the link text for the CMIT measure page.
Optional	Clinical Workflow, Workflow Description	Add information related to the use of the measure in a clinical workflow. Include any specific questions for stakeholder feedback. Complete this field for the measure to appear in the New eCQM New Clinical Workflow tab for stakeholder feedback.
Optional	Clinical Workflow, Workflow Site Information	Include a description of any site-specific workflow information if appropriate.

Field Type	Field Name	Description
Optional	Clinical Workflow, Workflow Files	Upload workflow artifacts for stakeholder feedback. The text in the description field will be used as the label of the link to the file. You may upload an unlimited number of files to this field with a 10-megabyte (MB) limit. Allowed file types include ppt, pptx, xls,xlsx, doc, docx, pdf, zip, xml, json, png, jpg, jpeg, and html.
Optional	Test Results, Testing Description	Provide information regarding how the MC Workspace community can contribute to the testing of the proposed measure. Complete this field for the measure to appear in the eCQM Test Results tab for stakeholder feedback.
Optional	Test Results, eCQM Testing Template	Attach files, including a testing template, that users may download for use in their own environments. Do not attach any files containing private information or including personally identifiable information (PII) / protected health information (PHI).
Optional	Keywords	Provide keywords that could be used to search for this measure concept.
Optional	Test Result Submission	Use the default Feedback Submission Form to gather clinical workflow, test results, or general feedback.
Optional	Status	The open, closed, or scheduled status applies to only this webform instance. Recommend maintaining the default as “open” so the Feedback Submission Form appears for stakeholders to provide feedback.

2. From the Post eCQM Workflow and/or Testing Template, you can choose to “Save and Continue Later” or “Save and Request Public Review.”
 - a. “Save and Continue Later” is used when you would like to complete the form later.
 - If you choose to “Save and Continue Later,” click on “Save and Continue Later.”
 - A green banner will appear showing that your measure under development has been created.
 - b. “Save and Request Public Review” is used when you are ready to submit your measure under development to the site moderator for review and approval.

Figure 35. Post eCQM Workflow and/or Testing Template Form

4.4 How to Complete a Measure Under Development Already Started

1. Identify that you are signed in as an MC Workspace Member.
2. Click on the “My account” menu at the top and select “My Account.”
3. Under the “My Groups” heading, click on the link for your group.
4. Click on the “Nodes” Tab to view Measures Under Development authored by you.
5. Locate the measure under development that you would like to complete, click on the dropdown list in the Operations column, and click on “Edit” node.

Figure 36. Nodes List to Complete Measure Under Development

6. You will be in the “Edit draft” Tab for your measure. Complete the remaining fields for your measure under development.
7. When you are ready to submit, at the bottom of the form, click on the arrow to the right of the “Save and Continue Later” button to expand the dropdown list.
8. Click on the “Save and Request Review” button. This action sends your measure under development to the site moderator for review and approval.
9. A green banner will appear showing that your measure under development has been updated.
10. Upon site moderator review, the measure under development may be approved or further updates may be needed.
 - a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your content has been approved. After site moderator approval, your measure under development is now visible to the public for review and authenticated users can share feedback through commenting on your measure under development.
 - b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the measure under development for publishing.

Figure 37. Edit Measure Under Development Form

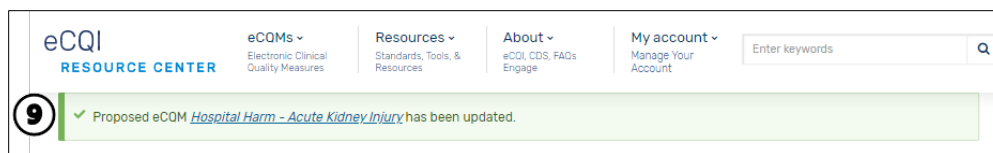


Figure 38. Banner Showing Updated Status of Measure Under Development

4.5 How to View Stakeholder Feedback

1. Identify that you are signed in as an Authenticated User.
2. Click on the “My account” menu at the top and select “My Account.”
3. Click on the “Activity” Tab to display Measures Under Development that you have authored.
4. Locate the measure under development you would like to view stakeholder feedback for and click on the “Title” link.



Figure 39. My Account Activity List

5. Click on the “Results” Tab, and you will see a listing of stakeholder feedback received.

4.6 How to Modify a Published Measure under Development for Clinical Workflow Feedback

1. Identify that you are signed in as an MC Workspace member.
2. Click on the “My account” menu at the top and select “My Account.”
3. Click on the “Activity” Tab to display Measures Under Development that you have authored.
4. Locate the measure under development you would like to modify and click on its title.

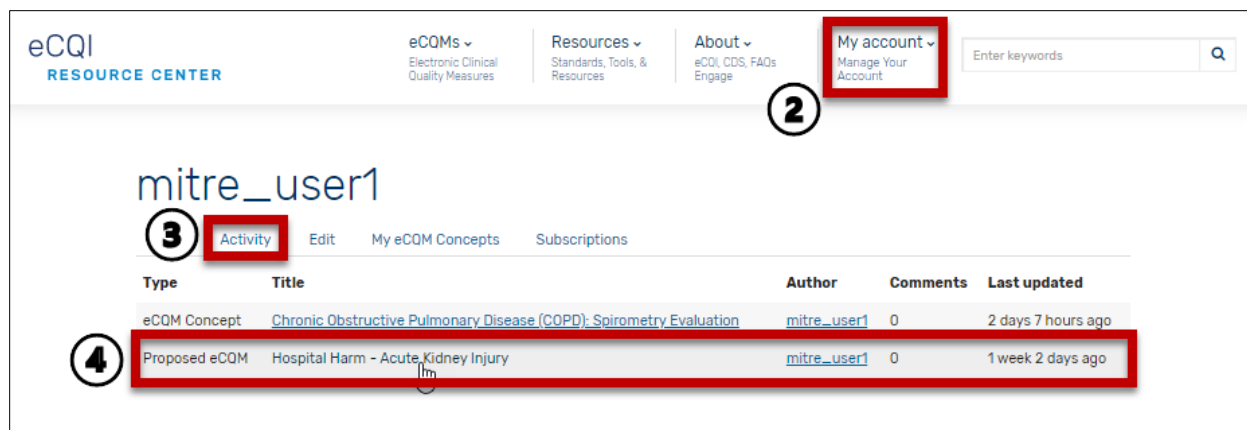


Figure 40. My Account Activity list

5. The measure under development page form will appear. Click on the “New draft” Tab.
6. Make the desired modifications to the measure under development.
7. At the bottom of the eCQM Concept form, click to “Save and Create New Draft.” (Note: You may complete these steps in a different sequence but you will still have options to save your content or continue later.)
8. A green banner will appear to confirm updated status.
9. If you are ready to publish your modified measure under development, confirm that the “Moderate” field shows Request Public Review.
10. Click “Apply” to request public review. This action sends the updates to the site moderator for review.

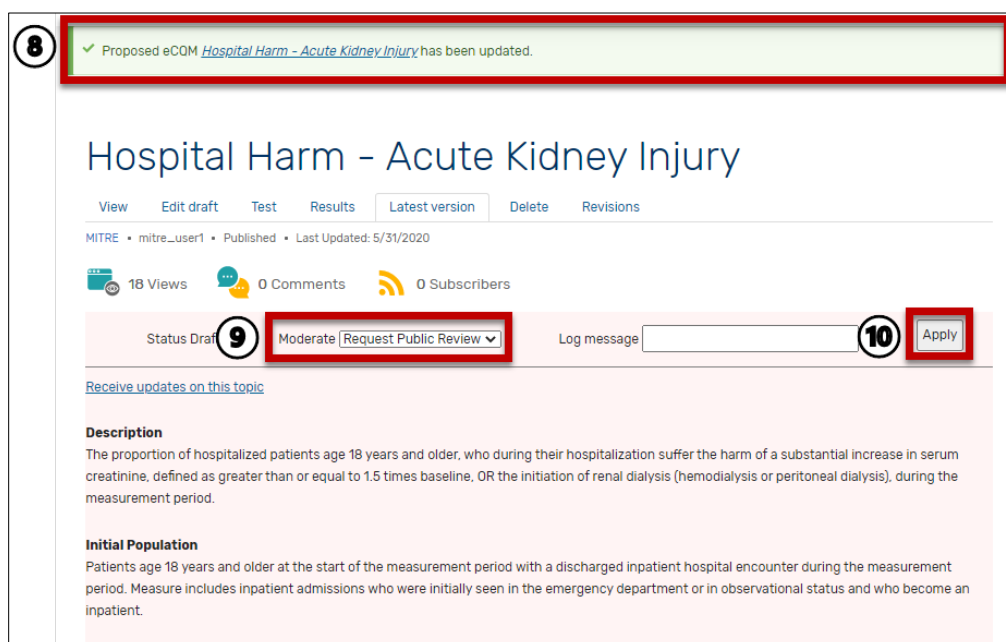


Figure 41. eCQM under Development Edit Form

11. Upon site moderator review, the eCQM under development may be approved or further updates may be needed.
 - a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your content has been approved. After site moderator approval, your eCQM under development is now visible to the public for review and authenticated users can share feedback and comments on your eCQM under development.
 - b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the eCQM under development for publishing.

5. Working in the eCQM Test Results Module

The eCQM Test Results module allows users to participate in eCQM testing by providing proposed eCQMs for testing, submitting test results using a template, and viewing test results. Measure developers use testing to assess measure feasibility and determine the extent to which the required data elements are available and retrievable in the electronic health record and the extent to which they can be implemented without undue burden for performance measurement. The draft test results offer transparency into the feasibility.

5.1 How to Review and Comment on a Measure under Development

1. Identify that you are signed in as an Authenticated User or an MC Workspace member.
2. Navigate to the “eCQM Test Results” Tab.
3. Search through the Measures Under Development for the measure of interest.
4. Click on the measure of interest.

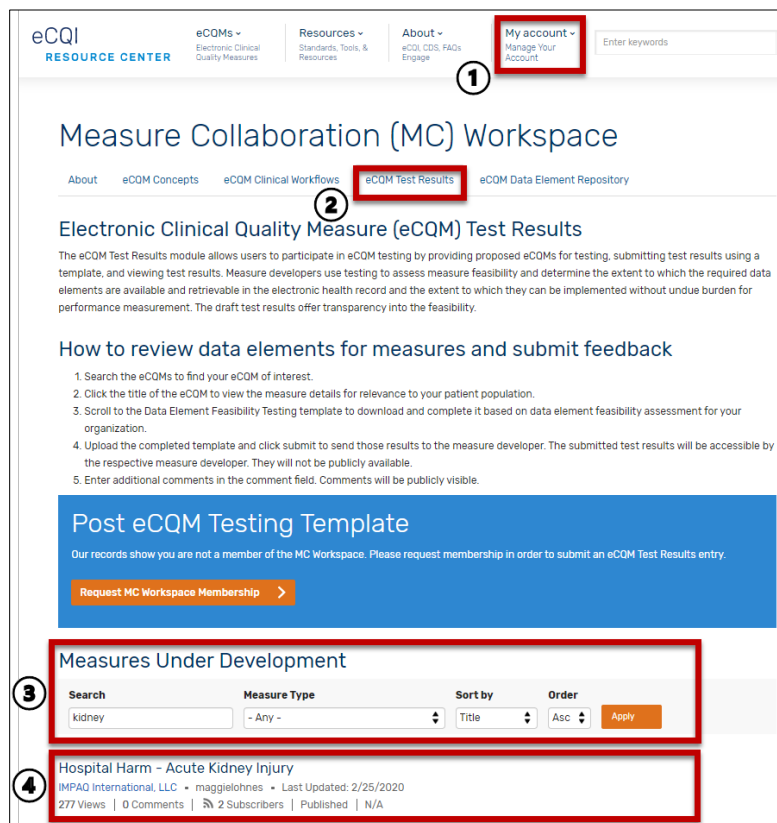


Figure 42. eCQM Test Results Landing Page

5. Review the measure detail and any relevant measure documents.
6. In the “Add new comment” field, enter a comment for the author and eCQI RC user community.

7. Click “Save.” This action sends your comment to the site moderator for review and approval.
8. Upon site moderator review, the comment may be approved, or further updates may be needed.
 - a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your comment has been approved. After site moderator approval, your comment is now visible to the public for review. Your comment will also be sent to the author of the measure under development.
 - b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the comment for publishing.

The screenshot shows a web page for a measure titled "Hospital Harm - Acute Kidney Injury". At the top, it lists "IMPAQ International, LLC" as the publisher, with "magglelohnes" as the author, and a "Last Updated" date of "5/25/2020". Below this, it shows "280 Views", "0 Comments", and "2 Subscribers". A link "Receive updates on this topic" is present. The main content area is divided into sections. Section 5, labeled "Description", contains the text: "The proportion of hospitalized patients age 18 years and older, who during their hospitalization suffer the harm of a substantial increase in serum creatinine, defined as greater than or equal to 1.5 times baseline, OR the initiation of renal dialysis (hemodialysis or peritoneal dialysis), during the measurement period." Below this is a section labeled "Test Results" which includes a "Testing Description" (Please see attached AKI Feasibility Example for list of data elements currently used for this measure.) and an "eCOM Testing Template" section with a link to "Acute Kidney Injury Data Element Feasibility Template (Excel)". Section 6, labeled "Add new comment", shows a text input field with a rich text editor toolbar (bold, italic, link, etc.) and a "Comment" label. Section 7, labeled "Save", shows a "Save" button and a "Preview" button. A link "About text formats" is also visible.

Figure 43. Sample Measure Under Development Form

5.3 How to Submit Data Element Feasibility Feedback to the Measure Developer

1. Identify that you are signed in as an Authenticated User or an MC Workspace member.
2. Navigate to the “eCQM Test Results” Tab.
3. Search through the Measures Under Development for the measure of interest.
4. Click on the measure of interest.

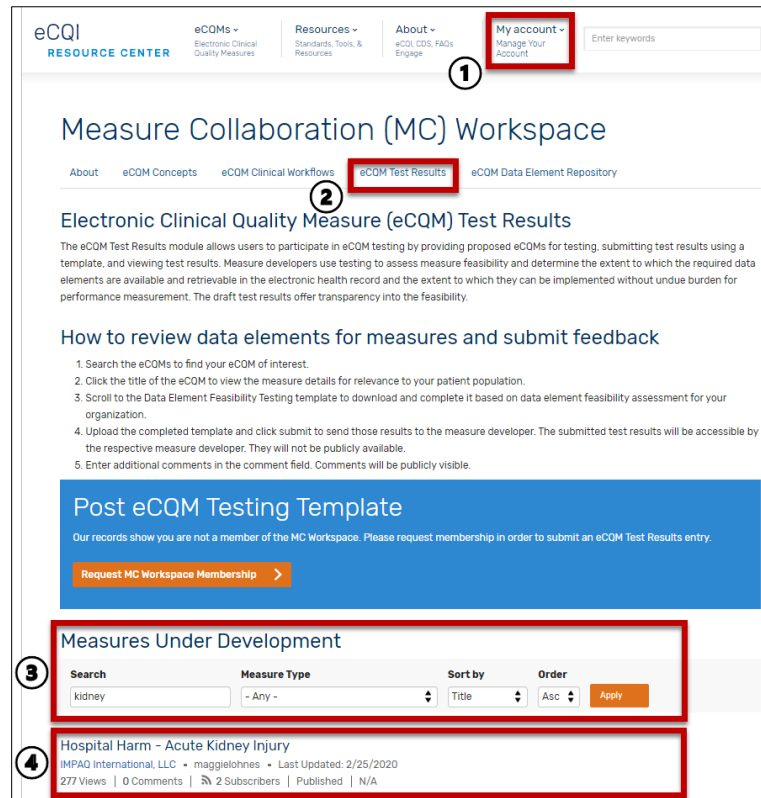






Figure 44. eCQM Test Results Landing Page

5. Review the measure detail and any relevant measure documents.
6. To view data element feasibility files, click on the “file name.”
7. The file will appear as a downloaded file.


HRAP International, LLC • [msg@hrapinc.com](#) • Publisher • Last Updated 5/28/2020


280 Views

0 Comments

2 Subscribers

[Receive updates on this topic](#)

Description

The proportion of hospitalized patients age 18 years and older, who during their hospitalization sought the harm of a substantial increase in serum creatinine, defined as greater than or equal to 1.5 times baseline. On the initiation of renal dialysis (hemodialysis or peritoneal dialysis), during the measurement period.

Initial Population

Patients age 18 years and older at the start of the measurement period with a discharged inpatient hospital encounter during the measurement period. Measure includes inpatient admissions who were initially seen in the emergency department or in observational status and who become an inpatient.

Rationale

This measure focuses on acute kidney injury as an outcome in the hospital inpatient setting. Acute kidney injury affects up to 10% of hospitalized patients (Nelson et al., 2010)(McIntyre 2016), comparable to the rates of severe sepsis (Dodge, Schugers, 2008) and acute lung injury (Nelson et al., 2010)(Baldwin et al., 2016)(McVey et al., 2010). Less severe acute kidney injury and acute kidney injury requiring dialysis affects approximately 2,000 to 1,000 to 200 to 300 per million population per year, respectively. Up to two thirds of intensive care patients will develop acute kidney injury. Acute kidney injury may result in the need for dialysis, and is associated with an increased risk of mortality (Nelson et al., 2015).

While not all instances of acute kidney injury are avoidable and may be due to natural progression of underlying illness or a complication of a necessary treatment such as chemotherapy, a prevention of acute kidney injury cases are preventable and treatable. The Kidney Clinical: Improving Clinical Outcomes (CKICO) guidelines suggest careful management of hemodynamic status, fluids, and vasoactive medications for the prevention of acute kidney injury (Nelson et al., 2015). Several studies identified through systematic literature searches developed or evaluated the effectiveness of acute kidney injury electronic alert systems (Sletty et al., 2012; Ahmed et al., 2016; Porter et al., 2014; Wilson et al., 2014; McCoy et al., 2014; Kinnaird et al., 2014; Cho et al., 2012). These studies used data elements for defining acute kidney injury that were already present and populated in the EHR. For acute kidney injury cases, at least two were limited to using serum creatinine levels, suggesting that this is the most reliable and consistently available electronic data element for defining acute kidney injury.


Test Results

Testing Description

Please see attached AKI Feasibility Example for list of data elements currently used for this measure.

eCDM Testing Template

[Acute Kidney Injury Data Element Feasibility Template \(Excel\)](#)


AcuteKidneyInjury_v1a.xlsx



Show all

Figure 45. Sample Measure Under Development Detail Page

8. Complete the data element feasibility template to reflect feasibility based on your organization's processes. Save to your computer.

Please enter information about your organization:				
Organization/Hospital/Practice name	Sample organization name 1			
Contact name	Contact name			
Contact phone	Contact phone			
Contact role	Director, Clinical Quality Reporting			
Contact email	name@domain.com			
EMR vendor	ACME EMR			
Organization/Hospital/Practice size	5 hospitals; 1800 beds; multi-specialty provider practice 220 providers across 54 locations.			
Geography	Suburban, South			
	Value set	Date Availability (Feasibility)	Data Accuracy	
		Is the data readily available in a structured format? (Y/N)	Is the information contained in the data element correct? (Y/N)	Are the data source and recorder specified? (Y/N)
Hospital Harm - Acute Kidney Injury				
Sample - Diagnostic Chronic Kidney Disease	Chronic Kidney Disease 216.840.1.113762.1.4.1182.276	Y	Y	Y
Laboratory test, performed: glomerular filtration rate	Glomerular filtration rate 216.840.1.113883.12.4077.2.3038			
Laboratory test, performed: serum creatinine	Creatinine Lab Test 216.840.1.113883.3.666.5.2363			
Laboratory test, performed: glomerular filtration rate date and time				
Laboratory test, performed: serum creatinine date and time				
Laboratory test, result: glomerular filtration rate				
Laboratory test, result: serum creatinine				
Research use - nonstandard glomerular filtration rate Tab 1: Subpopulations Tab 2: Data Table	Research use - nonstandard glomerular filtration rate Tab 1: Subpopulations Tab 2: Data Table			

Figure 46. Sample Data Element Feasibility Template

9. Save the file.
10. Return to the “eCQM Test Results” Tab and select the measure for which you are submitting.
11. Scroll down to the “Feedback Submission” form for this measure and enter any supporting comments about the measure and data element feasibility considerations.
12. Click on the “Browse” button to upload supporting files to include the completed data element feasibility template, screenshots of documentation screens, policies and procedures, or any other documentation that would be helpful to measure developers to

understand the feasibility of the measure. (If you accidentally upload a document, click on the box to the left of the document, and click the “Remove selected” button.)

13. Click on the “Submit” button to share feedback and files. This action notifies the measure developer of your feedback. The information you share on the Feedback Submission form is visible to the measure developer. The information submitted on the Feedback Submission form is not visible to the public.

The screenshot shows a web form titled "Feedback Submission". It includes instructions on how to use the form to provide feedback to measure developers. A red box highlights the "Comments on clinical workflow, data element feasibility, or other feedback" section, which contains a text area and a "Submit" button. Another red box highlights the "Upload supporting files" section, which includes a "Browse" button and a list of uploaded files: "DRAFT_KYHealthSystem_ABCFHR_FeasibilityAssessmentSample.xlsx (Excel)" and "HCW Documentation 2020.docx". A third red box highlights the "Submit" button at the bottom of the form. The form also includes a "Remove selected" button and a list of allowed file types: ".txt", ".pdf", ".doc", ".docx", ".ppt", ".xlsx", ".xls", ".png", ".jpg", ".gif".

Figure 47. Sample Feedback Submission Form

5.4 How to Submit a Measure Under Development for Data Element Feasibility Feedback

1. Identify that you are signed in as an MC Workspace member.
2. Navigate to the “eCQM Test Results” Tab.
3. Click on the “Post eCQM Testing Template” button.

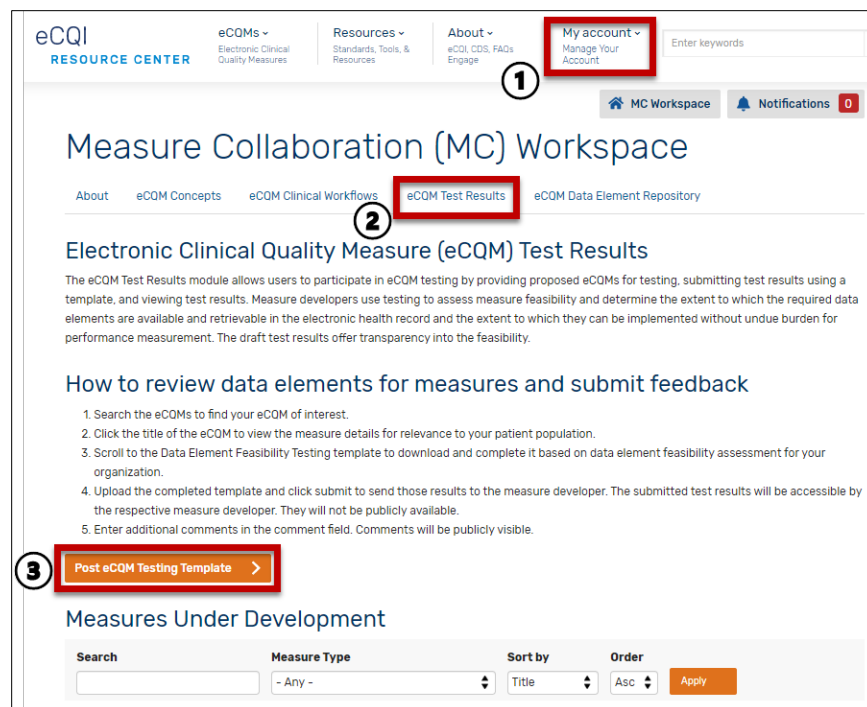


Figure 48. eCQM Test Results Landing Page

4. Complete the “Post eCQM Workflow and/or Testing Template: form. Note that this form can be used to gather stakeholder feedback on clinical workflow and data element feasibility. To ensure that the measure under development appears in the “New eCQM Clinical Workflow” Tab, you must complete Clinical Workflow – Workflow Description field. To ensure that the measure under development appears in the “eCQM Test Results” tab, you must complete the Test Results – Testing Description field. You can elect to complete Clinical Workflow information, Test Result information, or both sections.
 - a. There are four required fields – Title, Description, Care Setting, and Rationale.
 - b. Table 5 describes the fields of the eCQM Concept form..

Table 5. Fields in the Post eCQM Workflow and/or Testing Template Form

Field Type	Field Name	Description
Required	Title	Provide a brief measure title reflecting the clinical intent of your measure.
Required	Description	Provide a brief description of the clinical focus area, target population, and relevant background information.
Required	Rationale	Describe why you think this eCQM concept is important to measure.
Optional	Parent eCQM Concept	This field lists eCQM Concepts published to the MC Workspace. Select the related eCQM Concept if there is an applicable link.

Field Type	Field Name	Description
Optional	Initial Population	Describe the characteristics of the target population that would be included in this measure concept.
Optional	Measure Scoring	Select the proposed measure scoring method.
Optional	Measure Type	Select the proposed measure type.
Optional	Measure Population	Describe the characteristics of any other measure populations you envision as part of this measure concept.
Optional	External References, CMIT ID	If applicable, enter the corresponding CMIT ID.
Optional	External References, URL	If applicable, enter the website link to the corresponding CMIT measure page.
Optional	External References	If applicable, enter the link text for the CMIT measure page.
Optional	Clinical Workflow, Workflow Description	Add information related to the use of the measure in a clinical workflow. Include any specific questions for stakeholder feedback. Complete this field for the measure to appear in the New eCQM New Clinical Workflow tab for stakeholder feedback.
Optional	Clinical Workflow, Workflow Site Information	Include a description of any site-specific workflow information if appropriate.
Optional	Clinical Workflow, Workflow Files	Upload workflow artifacts for stakeholder feedback. The text in the description field will be used as the label of the link to the file. You may upload an unlimited number of files can be uploaded to this field with a 10 MB limit. Allowed file types include ppt, pptx, xls, xlsx, doc, docx, pdf, zip, xml, json, png, jpg, jpeg, and html.
Optional	Test Results, Testing Description	Provide information regarding how the MC Workspace community can contribute to the testing of the proposed measure. Complete this field for the measure to appear in the eCQM Test Results tab for stakeholder feedback.
Optional	Test Results, eCQM Testing Template	Attach files, including a testing template, that users may download for use in their own environments. Do not attach any files containing private information, including PII / PHI.
Optional	Keywords	Provide keywords that could be used to search for this measure concept.
Optional	Test Result Submission	Use the default Feedback Submission Form to gather clinical workflow, test results, or general feedback.
Optional	Status	The open, closed, or scheduled status applies to only this webform instance. Recommend maintaining the default as “open” so the Feedback Submission Form appears for stakeholders to provide feedback.

5. From the Post eCQM Workflow and/or Testing Template, you can choose to “Save and Continue Later” or “Save and Request Public Review.”
 - a. “Save and Continue Later” is used when you would like to complete the form later.
 - If you choose to “Save and Continue Later,” click on “Save and Continue Later.”
 - A green banner will appear showing that your measure under development has been created.
 - b. “Save and Request Public Review” is used when you are ready to submit your measure under development to the site moderator for review and approval.

Figure 49. Post eCQM Workflow and/or Testing Template Form

5.5 How to Complete a Measure Under Development Already Started

1. Identify that you are signed in as an MC Workspace Member.
2. Click on the “My account” menu at the top and select “My Account.”
3. Under the “My Groups” heading, click on the link for your group.
4. Click on the “Nodes” Tab to view Measures Under Development authored by you.
5. Locate the measure under development that you would like to complete, click on the dropdown list in the Operations column, and click on “Edit” node.

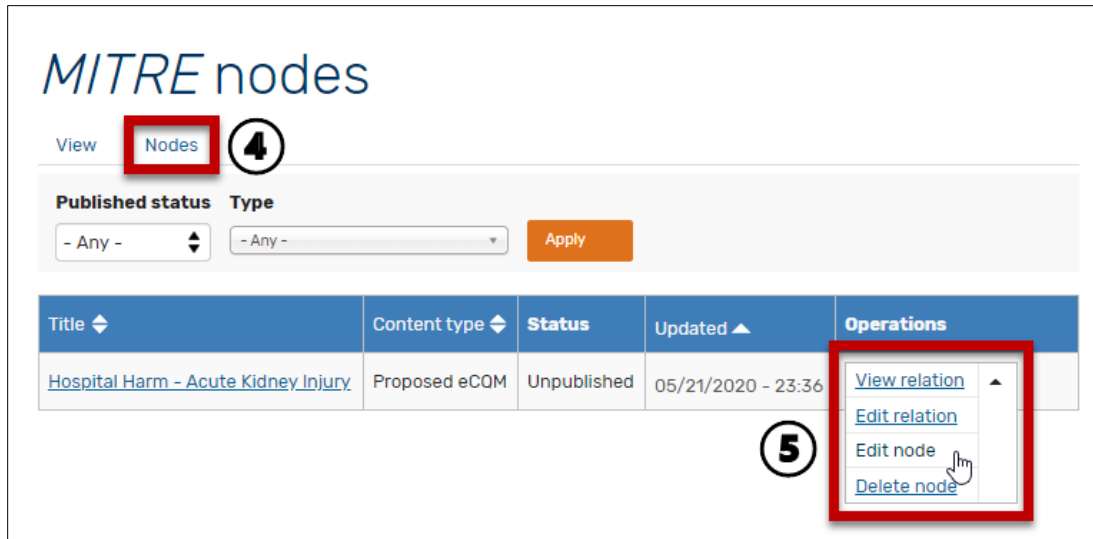


Figure 50. Nodes List to Complete Measure Under Development

6. You will be in the “Edit draft” Tab for your measure. Complete the remaining fields for your measure under development.
7. When you are ready to submit, at the bottom of the form, click on the arrow to the right of the “Save and Continue Later” button to expand the dropdown list.
8. Click on the “Save and Request Review” button. This action sends your measure under development to the site moderator for review and approval.
9. A green banner will appear showing that your measure under development has been updated.
10. Upon site moderator review, the measure under development may be approved or further updates may be needed.
 - a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your content has been approved. After site moderator approval, your measure under development is now visible to the public for review and authenticated users can share feedback through commenting on your measure under development.
 - b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the measure under development for publishing.

Figure 51. Edit Measure Under Development Form

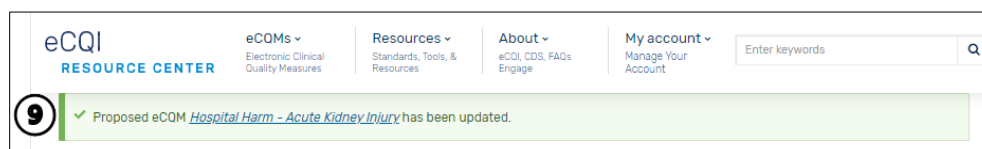


Figure 52. Banner Showing Update Status of Measure Under Development

5.6 How to View Stakeholder Feedback

1. Identify that you are signed in as an Authenticated User.
2. Click on the “My account” menu at the top and select “My Account.”
3. Click on the “Activity” Tab to display Measures Under Development that you have authored.

4. Locate the measure under development you would like to view stakeholder feedback for and click on the “Title” link.

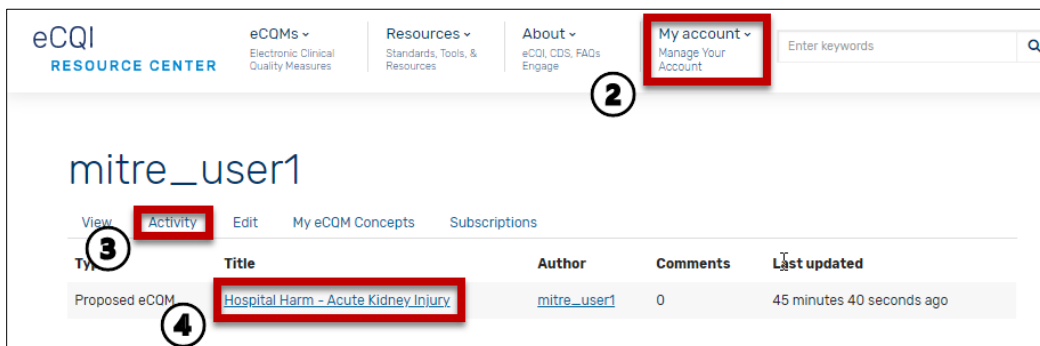


Figure 53. My Account Activity List

5. Click on the “Results” Tab, and you will see a listing of stakeholder feedback received.

5.7 How to Modify a Published Measure under Development

1. Identify that you are signed in as an MC Workspace member.
2. Click on the “My account” menu at the top and select “My Account.”
3. Click on the “Activity” Tab to display Measures Under Development that you have authored.
4. Locate the measure under development you would like to modify and click on its title.

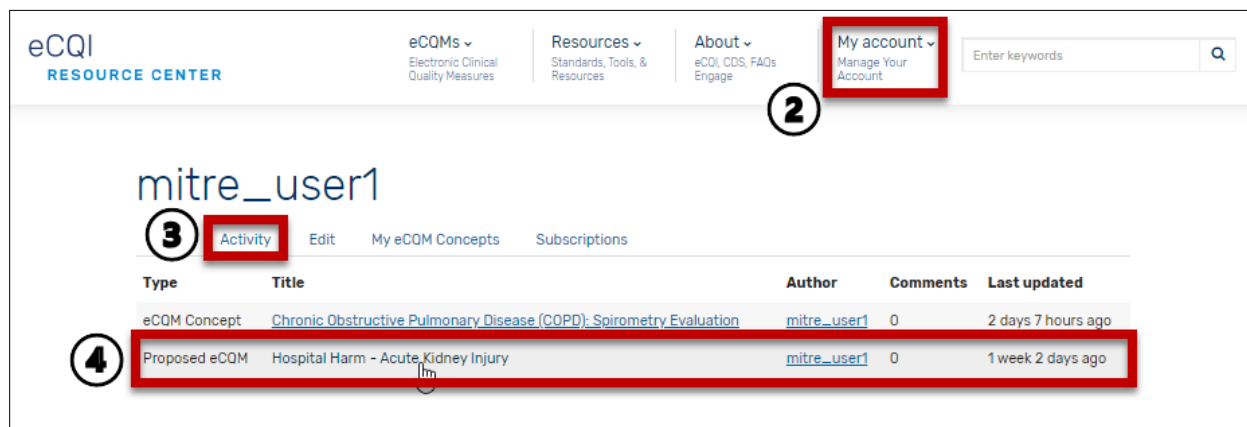


Figure 54. My Account Activity List

5. The measure under development page form will appear. Click on the “New draft” Tab.
6. Make the desired modifications to the measure under development.
7. At the bottom of the eCQM Concept form, click to “Save and Create New Draft.” (**Note:** You may complete these steps in a different sequence but will still have options to save your content or continue later.)

8. A green banner will appear to confirm updated status.
9. If you are ready to publish your modified measure under development, confirm that the “Moderate” field shows “Request Public Review.”
10. Click “Apply” to request public review. This action sends the updates to the site moderator for review.

8

✓ Proposed eCOM [Hospital Harm - Acute Kidney Injury](#) has been updated.

Hospital Harm - Acute Kidney Injury

View Edit draft Test Results Latest version Delete Revisions

MITRE • mitre_user1 • Published • Last Updated: 5/31/2020

18 Views 0 Comments 0 Subscribers

Status Draft 9 Moderate Request Public Review 10 Log message 10 Apply

[Receive updates on this topic](#)

Description
The proportion of hospitalized patients age 18 years and older, who during their hospitalization suffer the harm of a substantial increase in serum creatinine, defined as greater than or equal to 1.5 times baseline, OR the initiation of renal dialysis (hemodialysis or peritoneal dialysis), during the measurement period.

Initial Population
Patients age 18 years and older at the start of the measurement period with a discharged inpatient hospital encounter during the measurement period. Measure includes inpatient admissions who were initially seen in the emergency department or in observational status and who become an inpatient.

Figure 55. eCQM Under Development Edit Form

11. Upon site moderator review, the eCQM under development may be approved or further updates may be needed.
 - a. If the site moderator approves, you will receive an email notification from the eCQI RC stating your content has been approved. After site moderator approval, your eCQM under development is now visible to the public for review and authenticated users can share feedback and comments on your eCQM under development.
 - b. If the site moderator needs additional information, you will receive an email notification detailing any requested information. Once resolved, the site moderator may approve the eCQM under development for publishing.

6. Data Element Repository

The eCQM DERep provides additional clarification for all the data elements associated with published and tested eCQMs used in CMS quality reporting programs as well as the definitions and clinical focus for each data element. An end user can filter information by data element, eCQM, Quality Data Model (QDM) attribute, or QDM category and QDM datatype.

The DERep centralizes information from the measure specification, Value Set Authority Center (VSAC), and the QDM to aid in better understanding clinical intent and to help with data mapping activities. The DERep is not intended to replace those other resources; please refer to those sources for more detailed specification.

The data elements provided are for use in eCQMs for CMS Quality Program Performance and Reporting periods. Information contained within the DERep is derived from the eCQM specifications, QDM, and VSAC. Each eCQM data element includes information about the value set or, the direct reference code (DRC) along with the QDM datatype, and the QDM attributes used by that data element. The QDM information displayed for an eCQM reflects the version used in the development of the eCQM for a specific performance/reporting period.

6.1 How to Apply Filters

The DERep has multiple filters to help users easily view information of interest.

1. Navigate to the “eCQM Data Element Repository” tab.
2. Click on the dropdown list of the “Year” filter to view available options.
3. Click on the dropdown list of the “Select a Filter Option” to view available options of eCQM Data Element, Eligible Hospital (EH)/Critical Access Hospital (CAH) eCQMs, Eligible Professional (EP)/Eligible Clinician (EC) eCQMs, QDM Attributes, QDM Categories, and QDM Datatypes.

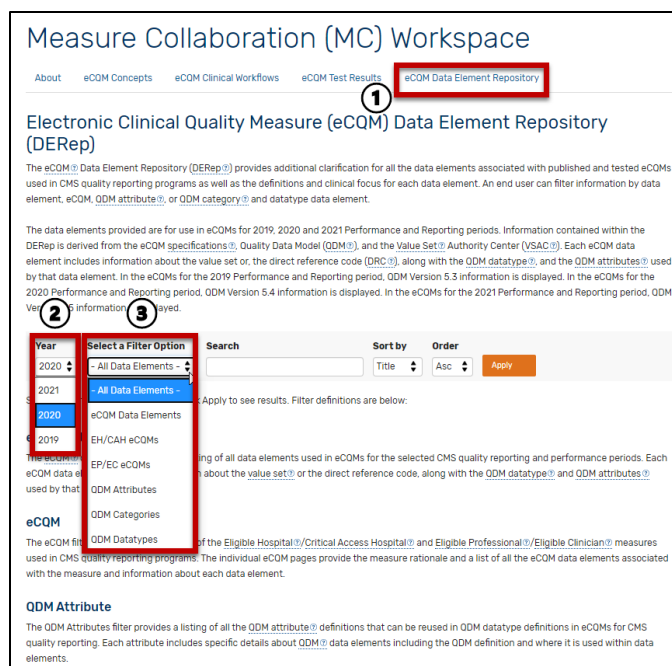


Figure 56. DERep Landing Page and Available Filters

Year. Use the year filter to select a Performance and Reporting Period of interest. For example, select:

- “2021” to view information for eCQMs used in the 2021 Performance and Reporting Period.
- “2020” to view information for eCQMs used in the 2020 Performance and Reporting Period.

eCQM Data Element. The eCQM data elements provide a listing of all data elements used in eCQMs for the selected CMS quality reporting and performance periods. Each eCQM data element includes information about the value set or the direct reference code, along with the QDM datatype and QDM attributes used by that data element.

EH/CAH eCQMs. The EH/CAH eCQM filter provides a list of the Eligible Hospital/Critical Access Hospital eCQMs used in CMS quality reporting programs for a selected performance/reporting year. The individual eCQM page provides the measure description, a list of all the data elements associated with the eCQM, and information about each data element.

EP/EC eCQMs. The EP/EC eCQM filter provides a list of the Eligible Professional/Eligible Clinician eCQMs used in CMS quality reporting programs for a selected performance/reporting year. The individual eCQM page provide the measure description, a list of all the data elements associated with the eCQM, and information about each data element.

QDM Attribute. The QDM Attributes filter provides a listing of all the QDM attribute definitions that can be reused in QDM datatype definitions in eCQMs for CMS quality reporting for a selected performance/reporting year. Each attribute includes specific details about QDM data elements, including the QDM definition and where it is used within data elements.

QDM Categories. The QDM Categories filter provides a listing of all QDM categories used in eCQMs for CMS quality reporting for the selected performance/reporting year. For each QDM category, the page provides the respective definition. A QDM Category consists of a single clinical concept identified by a value set or direct reference code.

QDM Datatypes. The QDM Datatypes filter provide a listing of all QDM datatypes used in eCQMs for CMS quality reporting for the selected performance/reporting year. For each QDM category and datatype, the page provides the respective definition along with the available attribute groupings for the selected QDM datatype. A QDM Datatype is the context in which each QDM Category is used to describe a part of the clinical care process.

6.2 How to View Measure Pages

This example will use the CMS108v9 – Venous Thromboembolism Prophylaxis.

1. Navigate to the “eCQM DERep.”
2. Click on the dropdown list for the “Year” filter and select “2021.”
3. Click on the dropdown list for the “Select a Filter Option” and select “EH/CAH eCQMs.”
4. Click on “Apply.”
5. The nine EH/CAH eCQMs available for 2021 Performance and Reporting Period will be displayed.
6. Click on the link for CMS506v3 – Safe Use of Opioids – Concurrent Prescribing.

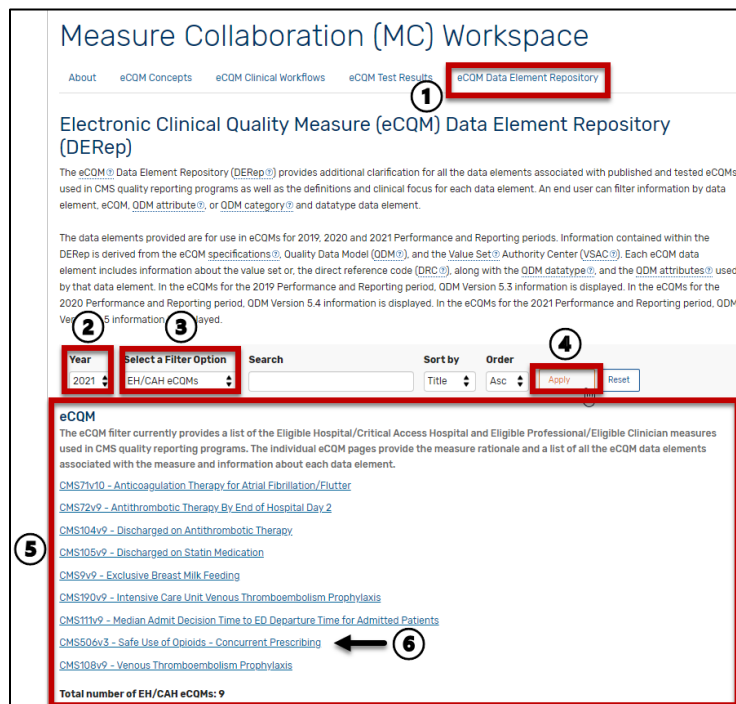


Figure 57. DERep Filter for 2021 EH/CAH eCQMs

7. The eCQM page for CMS506v3 –Safe Use of Opioids – Concurrent Prescribing will be displayed. The eCQM page includes the following components that are derived from the measure specification:
 - a. **eCQM Title.** The displayed eCQM title is a hyperlink to the eCQI RC individual eCQM page that includes links to the measure specifications, technical release notes, and a display of information contained within the eCQM HTML.
 - b. **CMS Measure ID.** The displayed CMS Measure ID is also a hyperlink to the eCQI RC individual eCQM page.
 - c. **Version.** This field shows the version number for the selected eCQM.
 - d. **NQF Number.** If applicable, the NQF number for the selected eCQM will be displayed.
 - e. **Performance/Reporting Period.** This displays the performance/reporting period of the selected eCQM.
 - f. **Description.** The description displayed is from the eCQM specification.
 - g. **Data Elements Contained within the eCQM.** The list includes all data elements and coded attributes for the selected eCQM. Click on the “+Expand all” link to view additional information for the list of data element elements and coded attributes. Click on the individual “^” link if you would like to view additional information for the single data element or coded attribute.

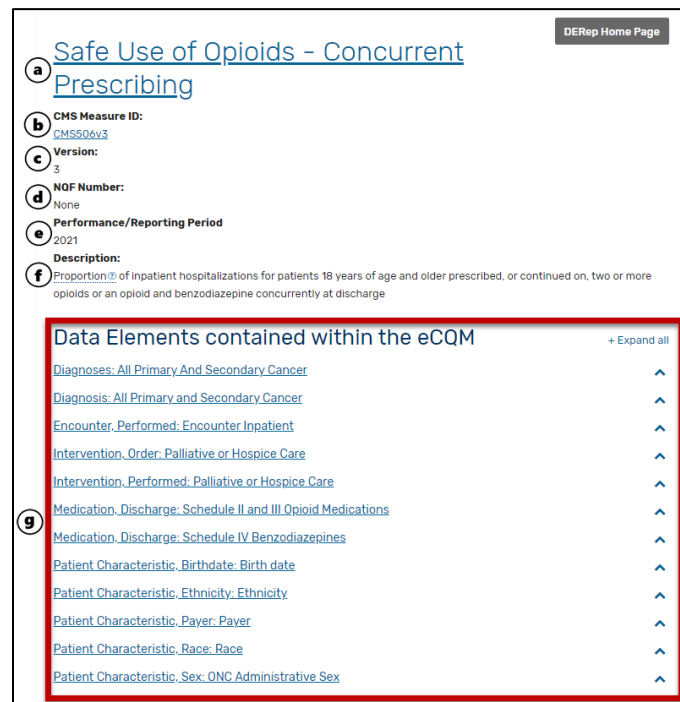


Figure 58. Sample DERep Measure Detail Page

8. Click on the “+ Expand all” link to view data element detail.
9. The top portion of the data element information reflects information from VSAC.

- a. For data elements using a value set, the value set description is displayed to include the Clinical Focus, Data Element Scope, Inclusion Criteria, and Exclusion Criteria. The value set object identifier (OID) is displayed; when clicked, this will take you to the VSAC. Login with the VSAC credentials to view the value set and associated codes.
 - b. For data elements using a DRC, a link to the direct reference code is displayed.
10. The bottom portion of the data element information is related to the QDM.
- a. For data elements modeled as a QDM datatype, the datatype definition is displayed.
 - b. For coded attributes, the QDM attribute definition is displayed.

6.3 How to View a Data Element Page

This example will use the data element of Diagnosis: Asthma.

- Navigate to the “eCQM DERep.”
- Click on the dropdown list for the “Year” filter and select “2021.” Click on the dropdown list for the “Select a Filter Option” and select “eCQM Data Elements.” Type “asthma” into the Search field. Click on “Apply.”
- Click on the link for Diagnosis: Asthma.

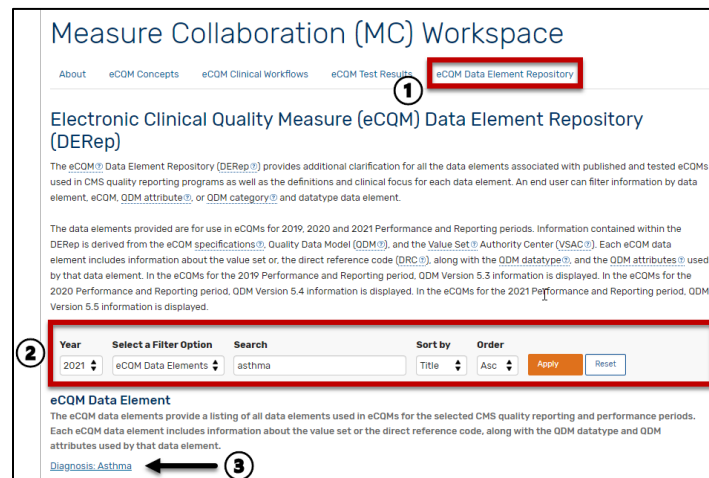


Figure 59. DERep Filter for 2021 eCQM Data Elements

- The data element page for Diagnosis: Asthma will be displayed. The data element page includes the following components that are derived from the VSAC, QDM, and eCQM specifications:
 - a. **eCQM Data Element Title**
 - b. **Performance/Reporting Period.** This measure displays the performance/reporting period of the selected measure.
 - c. **Value Set Description from VSAC.** For data elements using a value set, the value set description from VSAC includes the Clinical Focus, Data Element Scope,

Inclusion Criteria, and Exclusion Criteria. For data elements using a direct reference code, a link to the direct reference code will be displayed.

- d. **eCQMs Using this Data Element.** This section will list all other eCQMs using this data element.
- e. **QDM Attributes.** This section lists QDM attributes specified within the eCQM specifications.

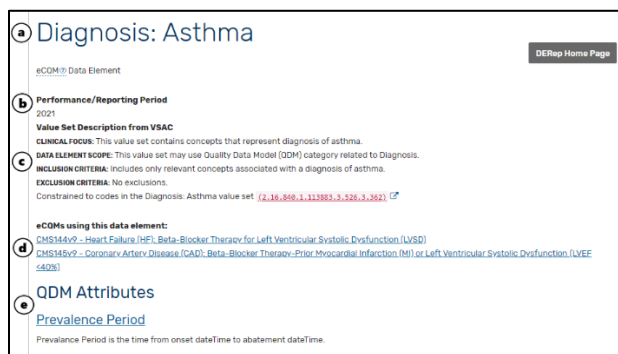


Figure 60. Sample DERep eCQM Data Element

6.4 How to View a QDM Category Page

This example will use the QDM Category of Adverse Event.

1. Navigate to the “eCQM DERep.”
2. Click on the dropdown list for the “Year” filter and select “2021.” Click on the dropdown list for the “Select a Filter Option” and select “QDM Categories.” Click on “Apply.” The full list of QDM Categories will display.
3. Click on the link for Adverse Event.

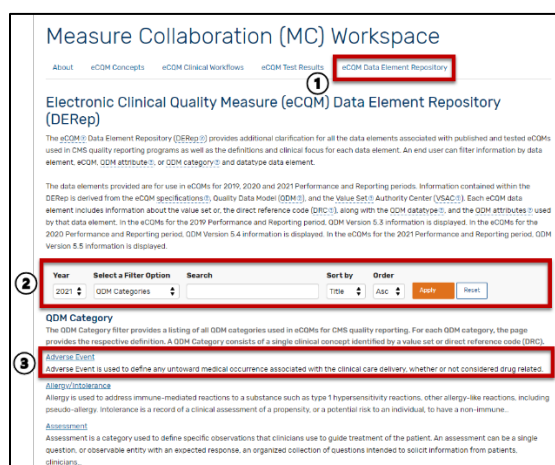


Figure 61. DERep Filter for 2021 QDM Categories

4. The QDM category page Adverse Event will be displayed. The QDM category page includes the following components:
 - a. **QDM Category Name**
 - b. **Performance/Reporting Period.** This measure displays the performance/reporting period of the selected eCQM.
 - c. **QDM Category.** The definition for this QDM category is displayed. The QDM information displayed for an eCQM reflects the version used in the development of the eCQM for a specific performance/reporting period.
 - d. **QDM Datatypes Based on this Category.** This list displays any QDM datatypes based on this QDM category that are used in eCQMs the performance/reporting period selected.

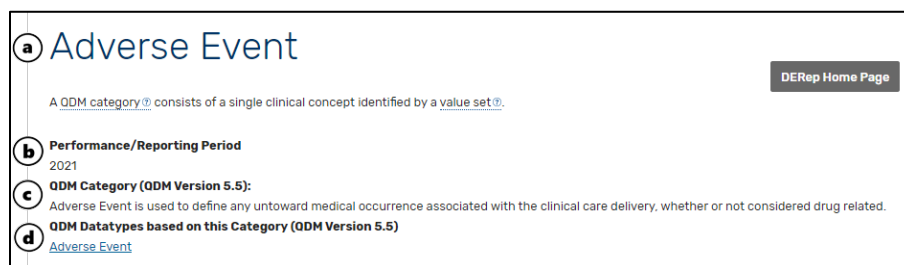


Figure 62. Sample QDM Category

6.5 How to View a QDM Datatype Page

This example will use the QDM Datatype of Assessment, Performed.

1. Navigate to the “eCQM DERep.”
2. Click on the dropdown list for the “Year” filter and select “2021.” Click on the dropdown list for the “Select a Filter Option” and select “QDM Datatypes.” Click on “Apply.”
3. Click on the link for Assessment, Performed.

Measure Collaboration (MC) Workspace

About eCQM Concepts eCQM Clinical Workflows eCQM Test Results **eCQM Data Element Repository**

Electronic Clinical Quality Measure (eCQM) Data Element Repository (DERep)

The eCQM Data Element Repository (DERep) provides additional clarification for all the data elements associated with published and tested eCQMs used in CMS quality reporting programs as well as the definitions and clinical focus for each data element. An end user can filter information by data element, eCQM, QDM attribute, or QDM category and datatype data element.

The data elements provided are for use in eCQMs for 2019, 2020 and 2021 Performance and Reporting periods. Information contained within the DERep is derived from the eCQM specifications, Quality Data Model (QDM), and the Value Set Authority Center (VSAC). Each eCQM data element includes information about the value set or, the direct reference code (DRC), along with the QDM datatype, and the QDM attributes used by that data element. In the eCQMs for the 2019 Performance and Reporting period, QDM Version 5.3 information is displayed. In the eCQMs for the 2020 Performance and Reporting period, QDM Version 5.4 information is displayed. In the eCQMs for the 2021 Performance and Reporting period, QDM Version 5.5 information is displayed.

Filter Section:

Year: 2021 Select a Filter Option: QDM Datatypes Search: [] Sort by: Title Order: Asc Apply Reset

QDM Datatypes

The QDM Datatypes filter provides a listing of all datatypes used in eCQMs for CMS quality reporting. For each QDM datatype, the page provides the respective definition along with the available attribute groupings for the selected QDM datatype. A QDM Datatype is the context in which each QDM Category is used to describe a part of the clinical care process.

[Adverse Event](#)
Data elements that meet criteria using this datatype should document the adverse event and its corresponding value set. The relevant dateTime references the adverse event occurred. The author dateTime references the time the adverse event was recorded.

[Allergy/Intolerance](#)
Data elements that meet criteria using this datatype should document the allergy or intolerance and its corresponding value set. Timing: The prevalence period references the time from the onset date to the abatement date. Often an abatement date is not present as allergy or intolerance is...

[Assessment Order](#)
Data elements that meet criteria using this datatype should document an order by a clinician or appropriately licensed care provider to a patient or an appropriate provider or organization to perform an assessment indicated by the QDM category and its corresponding value set. Timing: The time the...

[Assessment Performed](#)
Data elements that meet criteria using this datatype should document completion of the assessment indicated by the QDM category and its corresponding value set. Timing: relevant dateTime references timing for an assessment that occurs at a single point in time. relevant Period references a...

Figure 63. DERep Filter for 2021 QDM Datatypes

4. The QDM datatype page for Assessment, Performed will be displayed. The QDM datatype page includes the following components:
 - a. **QDM Datatype Name**
 - b. **Performance/Reporting Period.** This measure displays the performance/reporting period of the selected eCQM.
 - c. **QDM Datatype.** The definition for this QDM datatype is displayed. The QDM information displayed for an eCQM reflects the version used in the development of the eCQM for a specific performance/reporting period.
 - d. **QDM Attributes.** This list displays QDM attributes, and the respective attribute definition, used by this QDM datatype.

a **Assessment, Performed**

[QDM Datatype](#)

b **Performance/Reporting Period**
2021

QDM Definition (QDM Version 5.5):
Data elements that meet criteria using this datatype should document completion of the assessment indicated by the QDM category and its corresponding value set.

c **Timing:**

- *relevant dateTime* references timing for an assessment that occurs at a single point in time.
- *relevant Period* references a start and stop time for an assessment that occurs over a time interval
- *author dateTime* references the time the action was recorded.
- Refer to the eCQM expression to determine allowable timings to meet measure criterion.

Note: *negation rationale* indicates a one-time documentation of a reason an activity is not performed. Negation of QDM datatype-related actions for a reason always use the *author dateTime* attribute to reference timing and must not use *relevantPeriod*.

d **QDM Attributes**

[Author dateTime](#)

The time the data element was entered into the clinical software. Note, some datatypes include both relevant dateTime and author dateTime attributes. When both are present, author dateTime is included to accommodate negation rationale.

The author dateTime addresses when an activity is documented. Documentation can occur at the beginning, during, at the end, or subsequent to the end of the activity. The author dateTime should be used only if the relevantPeriod cannot be obtained or to represent the time negation rationale is documented.

Note: negation rationale indicates a one-time documentation of a reason an activity is not performed. Negation of QDM datatype related actions for a reason always use the author dateTime attribute to reference timing and must not use relevantPeriod.

[Components](#)

Elements included or documented as part of evaluations or test panels.

- Examples include: specific questions included in assessments, tests included in a laboratory test panel, observations included in a cardiac exam during a physical examination. Each assessment, diagnostic study, laboratory test, physical exam, or procedure may have one or more components.

components also reference specific details about an encounter diagnosis.

[DERep Home Page](#)

Figure 64. Sample QDM Datatype

6.6 How to View a QDM Attribute Page

1. Navigate to the “eCQM DERep.”
2. Click on the dropdown list for the “Year” filter and select “2021.” Click on the dropdown list for the “Select a Filter Option” and select “QDM Attributes.” Click on “Apply.”
3. Click on the link for Active dateTime.

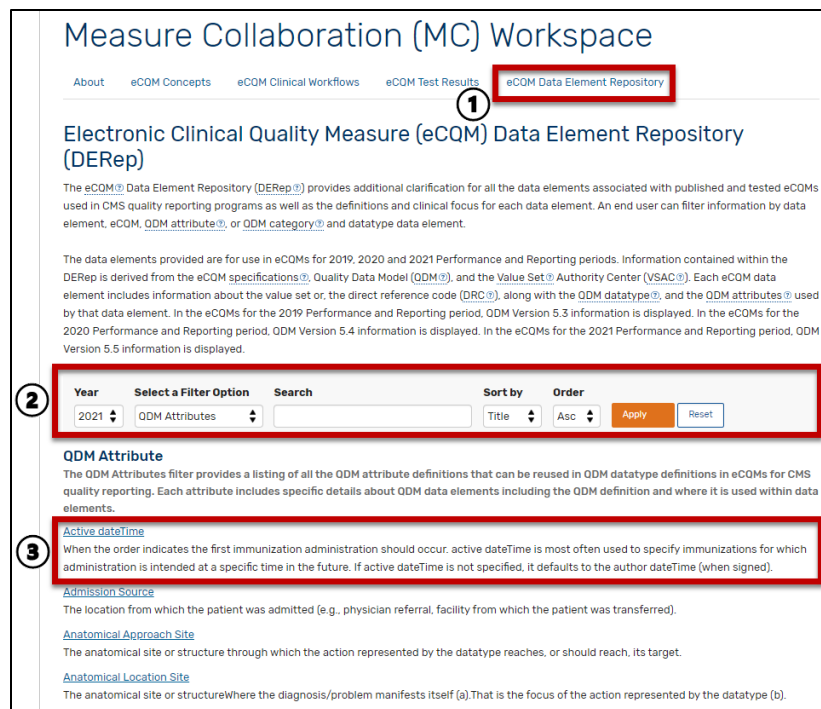


Figure 65. DERep Filter for 2021 QDM Attributes

4. The QDM attribute page for Active dateTime will be displayed. The QDM attribute page includes the following components:
 - a. **QDM Attribute Name**
 - b. **Performance/Reporting Period.** This measure displays the performance/reporting period of the selected eCQM.
 - c. **QDM Definition.** The definition for this QDM attribute is displayed. The QDM information displayed for an eCQM reflects the version used in the development of the eCQM for a specific performance/reporting period.
 - d. **Used By.** This list displays QDM datatypes where measure specifications include logic constraints related to this attribute.

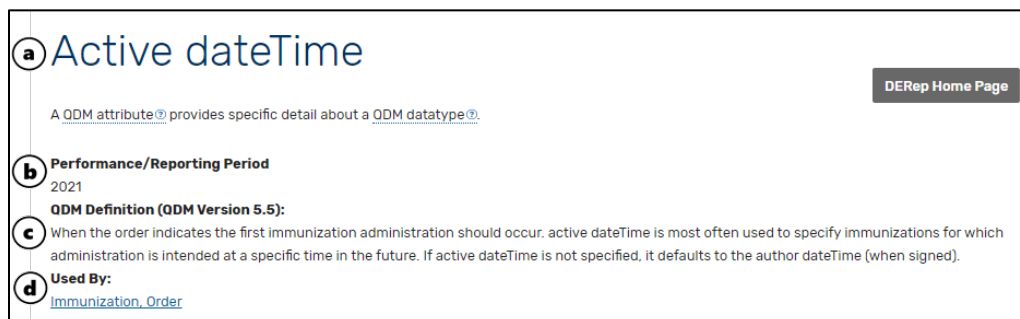


Figure 66. Sample QDM Attribute

Acronyms

Acronym	Definition
CAH	Critical Access Hospital
CMIT	CMS Measures Inventory Tool
CMS	Centers for Medicare & Medicaid Services
DERep	(eCQM) Data Element Repository
DRC	Direct Reference Code
EC	Eligible Clinician
eCQI	Electronic Clinical Quality Improvement
eCQM	Electronic Clinical Quality Measure
EH	Eligible Hospital
EHR	Electronic Health Record
EP	Eligible Professional
IT	Information Technology
MB	Megabyte
MC Workspace	Measure Collaboration Workspace
MCW	Measure Collaboration Workspace
NQF	National Quality Forum
PDF	Portable Document Format file
PHI	Protected Health Information
PII	Personally Identifiable Information
QDM	Quality Data Model
RC	(eCQI) Resource Center
VSAC	Value Set Authority Center

Glossary

The following select terms appear in this document:

Term	Definition
Content	Public material; a Proposed eCQM with clinical workflow, Proposed eCQM with testing template, or eCQM Concept. Is created by measure developers with the intent to be made public, after review and approval by site moderator.
Proposed eCQM	Refers to: <ul style="list-style-type: none">• A Measure Under Development by a CMS measure developer contractor• Any professional measure developer's own idea(s) for a measure• A pre-rule making measure. It is a full clinical quality measure (e.g., numerator and denominator logic in structured, required form necessary for operationalizing); however, from the regulatory perspective, the measure is not yet implemented.• The way eCQMs are defined in MC Workspace is informal, in comparison to clinical quality measures.
Private Feedback	Submitted by a community stakeholder to the author of the content. Will be visible to the author and those with Editor permissions within the associated organizational Group. Feedback is submitted by means of a structured form and can also include uploading files.
Public Comment	Comments that are submitted publicly and approved by the site moderator appear on eCQM Concepts, Proposed eCQMs with clinical workflows, Proposed eCQM with test results. These are primarily created by community stakeholders, though measure developers may use this mechanism also.