Overview

Electronic Clinical Quality Measure (eCQM) Strategy Project
Electronic Clinical Quality Improvement (eCQI) Resource Center
Measure Collaboration (MC) Workspace
eCQM Strategy Project
eCQM Strategy Background

Electronic Clinical Quality Measure (eCQM) Strategy Project Goals

• Reduce Burden
• Increase Value
• Increase Stakeholder Involvement

Problem Statement

• Providers participating in CMS quality and value-based purchasing programs have shared challenges they experience related to the complexity and high burden of eCQM implementation, data capture, and reporting.

Project Scope

• Measure Development process from concept to the Measures Under Consideration (MUC) list
• Electronic Clinical Quality Reporting requirements and processes from eCQM implementation to submission
• Tools for Development and Reporting
eCQM Strategy Recommendations

**eCQM STRATEGY RECOMMENDATIONS**

**ALIGNMENT**
- eCQM reporting requirements across CMS program care settings
- eCQM specifications, value sets, and data collection

**COMMUNICATION, EDUCATION, AND OUTREACH**
- Coordinated education and outreach campaigns to learn from stakeholders and share CMS program information
- Measure-level webinars
- Clear eCQM guidance, plain language, and improved website usability

**EHR CERTIFICATION PROCESS**
- eCQM certification aligned with CMS reporting requirements

**VALUE**
- Quality dashboard best practice collaboration between providers and CMS
- Data element definitions

**eCQM Strategy Goals**
- Reduce Burden
- Increase Value
- Increase Stakeholder Involvement

**DEVELOPMENT PROCESS**
- Collaborative Measure Development Workspace
- Data element repository
- Clinically feasible workflow for data capture
- Feasibility testing for new data elements

**IMPLEMENTATION AND REPORTING PROCESSES**
- Clear eCQM specifications, tools, and resources
- Feasible data elements
- Submission of data elements and eCQMs with FHIR and APIs
- Use of eCQM standards to support interoperability
- Consolidated pre-submission validation testing tools
- eCQM attribution research and pilots

January 2020
eCQM Strategy Feedback

To share feedback or get involved, please email:

eCQMSStrategy@groups.mitre.org
eCQI Resource Center

• The electronic clinical quality improvement (eCQI) Resource Center serves as a one-stop shop for the most current information to support eCQI.
• This website has the most current news, events, and resources related to eCQM tools and standards.
• The website is a place to coordinate people and activities around eCQI.
• www.ecqi.healthit.gov
The eCQI Resource Center provides the most current resources for electronic clinical quality improvement, such as:

- **eCQMs and Supporting Materials**
- **Tools and Resources**
  - eCQM Annual Timeline
  - Education
  - Implementation Resources
  - Tools Library
- **eCQI Standards**
  - Clinical Quality Language (CQL)
  - Quality Data Model (QDM)
  - Quality Reporting Document Architecture (QRDA)
  - Fast Healthcare Interoperability Resources (FHIR®)
- **Measure Collaboration (MC) Workspace**
  - eCQM Data Element Repository
  - eCQM Concepts
  - New eCQM Clinical Workflow
  - eCQM Test Results
eCQI Resource Center

https://ecqi.healthit.gov
eCQM Annual Timeline

Select a Quarter
eCQM Tools and Key Resources

Tools & Resources
The eCQM Informational Tools, Resources and Collaboration (InfoTRAC) referenced in this section are openly available and are provided for stakeholder use. They provide a foundation for the development, implementation, reporting, help, and feedback of quality measures and their improvement.
eCQM Standards – FHIR Example

Fast Healthcare Interoperability (FHIR®)

Receive updates on this topic

About

Tools & Resources

FHIM® is an open-source Health Level Seven International (HL7®) standard for exchanging patient health information electronically. FHIR supports the next generation exchange framework being adopted by the healthcare community to address interoperability needs. It enables the exchange of medical data used by different systems to represent patient data in different ways (e.g., medications, encounters). FHIR provides a means for representing and sharing information among clinicians and organizations in a standard way regardless of the ways local EHRs represent or store the data. FHIR combines the best features of previous standards into a common specification, while being flexible enough to meet needs of a wide variety of use cases within the healthcare ecosystem. FHIR has a heavy focus on implementation and uses the latest web technologies to aid rapid adoption.

FHIM Quality Measurement

The healthcare community and CMS are exploring a potential transition to FHIM-based quality measurement beginning with research and testing. Currently used quality standards, Quality Data Model (QDM), Clinical Quality Language (CQL), Health Quality Measure Format (HQMF), and Quality Reporting Document Architecture (QRDA), remain the backbone of electronic clinical quality measures (eCQM®) development and reporting. However, the FHIM standard has potential to better align with the EHR®’s ability to share data in clinical settings and to improve alignment with clinical decision support initiatives and to reduce overall burden on measure developers and implementers.
How to Access the eCQMs

Select EP/EC or EH/CAH eCQMs

Featured Resources

January 2020
Select the Reporting Period
### eCQMs: Eligible Hospital/Critical Access Hospital – Example (2 of 2)

Select a Measure

<table>
<thead>
<tr>
<th>Measure Name</th>
<th>Short Name</th>
<th>CMS-eCQM ID</th>
<th>HQR ID</th>
<th>Meaningful Measure Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anticoagulation Therapy for Afib/Flutter</td>
<td>STK-03</td>
<td>CMS-01</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Anticoagulation Therapy By End of Hospital Day 2</td>
<td>STK-06</td>
<td>CMS-02</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Assess for Aspiration</td>
<td>STK-10</td>
<td>CMS-03</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Discharged on Antithrombotic Therapy</td>
<td>STK-2</td>
<td>CMS-04</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Discharged on Stibin Medication</td>
<td>STK-08</td>
<td>CMS-05</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Elective Delivery</td>
<td>PC-01</td>
<td>CMS-10</td>
<td>0469</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Exclusive Breast Milk Feeding</td>
<td>PC-05</td>
<td>CMS-11</td>
<td>0480</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Smoking Cessation Prior to Hospital Discharge</td>
<td>EH01-08</td>
<td>CMS-12</td>
<td>1334</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Home Management Plan of Care (HMP) Document Given to Patient/Caregiver</td>
<td>QAC-3</td>
<td>CMS-20</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Intensive Care Unit versus Thromboprophylaxis</td>
<td>VTE-2</td>
<td>CMS-90</td>
<td>0372</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Median Admission Date to ED Departure Time for Admitted Patients</td>
<td>ED-2</td>
<td>CMS-14</td>
<td>0467</td>
<td>Patient’s Experience of Care</td>
</tr>
<tr>
<td>Median Time from ED Arrival to ED Departure for Admitted ED Patients</td>
<td>ED-1</td>
<td>CMS-15</td>
<td>0495</td>
<td>Patient’s Experience of Care</td>
</tr>
<tr>
<td>Median Time from ED Arrival to ED Departure for Discharged ED Patients</td>
<td>ED-3</td>
<td>CMS-16</td>
<td>0495</td>
<td>Patient’s Experience of Care</td>
</tr>
<tr>
<td>Primary PCI Received within 90 Minutes of Hospital Arrival</td>
<td>SMH-01</td>
<td>CMS-55</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Stroke Education</td>
<td>STK-08</td>
<td>CMS-07</td>
<td>None</td>
<td>Preventive Care</td>
</tr>
<tr>
<td>Venous Thromboembolism Prophylaxis</td>
<td>VTE-1</td>
<td>CMS-09</td>
<td>0371</td>
<td>Preventive Care</td>
</tr>
</tbody>
</table>
Measure Collaboration (MC) Workspace

The MC Workspace brings together a set of interconnected resources, tools, and processes to promote transparency and better interaction across stakeholder communities that develop, implement, and report electronic clinical quality measures (eCQMs).

- **eCQMs** - Electronic Clinical Quality Measures
- **Resources** - Standards, Tools, & Resources
- **About** - eCQI, FAQs, Engage
- **Sign In** - Manage Your Account

**Links to Measure Concept Resources**
- Meaningful Measures Areas
- CMS Measures Inventory (CMI)
- Measures Under Consideration (MUC) List

**Propose new measure concepts**
- Access alignment with Meaningful Measures Areas
- Check the CMS Measures Inventory for similar measures

**Access eCQM data elements**
- Find value sets
- Access use cases related to a data element(s)
- See data element test results
- Comment on a data element(s) for measures under development

**Access the shared development workspace**
- Search measure workflow documentation
- Provide comments on evolving eCQMs
Venous Thromboembolism Prophylaxis

eCQMs for 2019 Reporting Period

- CMS9v7 - PC-05
- CMS26v6 - CAQ-3
- CMS57v7 - ED-1
- CMS72v8 - ED-1
- CMS74v7 - AMI-0a
- CMS55v7 - EQ-1
- CMS77v8 - STK-03
- CMS79v7 - STK-06
- CMS102v7 - STK-10
- CMS104v7 - STK-08
- CMS108v7 - VTE-1
- CMS111v7 - ED-2
- CMS138v7 - PC-01
- CMS150v7 - VTE-2

CMS Measure ID: CMS108v7
Version: 7
NOF Number: 0371

Measure Description: This measure assesses patients 18 and older who have undergone surgery without a diagnosis of VTE, with a length of stay less than or equal to 3 days, during the measurement period.

Initial Population: All patients age 18 and older who have undergone surgery without a diagnosis of VTE, with a length of stay less than or equal to 3 days, during the measurement period.

Denominator Statement: All patients in the initial population

Denominator Exclusions:
- Patients who have a history of VTE
- Patients with conditions that contraindicate prophylaxis
- Patients with a condition that extends the end date for surgeries that start the following day of or the day after admission

Data Element Repository
Data Elements contained within CMS108v7

Specifications

<table>
<thead>
<tr>
<th>Attachment</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMS108v7.html</td>
<td>109.5 KB</td>
</tr>
<tr>
<td>CMS108v7.zip</td>
<td>109.33 KB</td>
</tr>
<tr>
<td>CMS108v7.TAB</td>
<td>22.15 KB</td>
</tr>
</tbody>
</table>

Release Notes

- Updated Version Number:
  - Measure Section: eMeasure Version number
  - Source of Change: Measure Lead
eCQM and eCQI
Educational Resources
Measure Collaboration (MC) Workspace
How to Access the MC Workspace

Select the MC Workspace

Featured Resources
Overview of the MC Workspace

https://ecqi.healthit.gov/mcworkspace
Link to MC Workspace:
https://ecqi.healthit.gov/mc-workspace
eCQM Concepts
(1 of 2)

- Allows users to submit measure concepts to CMS for review
- Users can search submitted concepts and comment on them
- Links to existing resources are available for users to research measures in progress
Create eCQM Concept

• Allows users to submit measure concepts to CMS for review
• Users can search submitted concepts and comment on them
• Links to existing resources are available for users to research measures in progress
New 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

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

Measures Under Development

- Hospital Harm - Pressure Injury
- Hospital Harm - Acute Kidney Injury

- Allows users to review clinical intent and think about clinical workflow implications
- Users can share comments on clinical workflow challenges for measure developer consideration
eCQM Test Results

Electronic Clinical Quality Measure (eCQM) Test Results

The eCQM Test Results module allows users to participate in eCQM testing by providing proposed eCMs 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.

How to review data elements for measures and submit feedback

1. Search the eCMs to find your eCM of interest.
2. Click the title of the eCM to view the measure details for relevance to your patient population.
3. Scroll to the Data Element Feasibility Testing template to download and complete it based on data element feasibility assessment for your organization.
4. Upload the completed template and click submit to send those results to the measure developer. The submitted test results will be accessible by the respective measure developer. They will not be publicly available.
5. Enter additional comments in the comment field. Comments will be publicly visible.

Measures Under Development

<table>
<thead>
<tr>
<th>Search</th>
<th>Measure Type</th>
<th>Sort by</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Any -</td>
<td>Sort by</td>
<td>Asc</td>
<td>Apply</td>
</tr>
</tbody>
</table>

Hospital Harm - Acute Kidney Injury
IMPAD International LLC | maggieholnes | Last Updated: 12/13/2019
62 Views | 0 Comments | 1 Subscriber | Published

Hospital Harm - Pressure Injury
IMPAD International LLC | maggieholnes | Last Updated: 12/13/2019
105 Views | 0 Comments | 2 Subscribers | Published

- Allows users to review data elements proposed for a measure and provide feasibility information for their organization
- Users can share comments on data element feasibility for measure developer consideration
eCQM Data Element Repository (1 of 2)

Measure Collaboration (MC) Workspace

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, union, QDM attribute, or QDM category, and datatype data element.

The data elements provided are for use in eCQMs for 2019 and 2020 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.

Select a filter or search by term and click Apply to see results. Filter definitions are below:

**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.
A "Year" filter is now available to select between the 2019 or 2020 Performance / Reporting Period Measures.
The measure title and description are displayed based on the measure specification.

A listing of data elements used in the measure follows.

A sample element using a Direct Reference Code is displayed.

A sample element using a value set is also displayed.
MC Workspace Link & Feedback

Access the MC Workspace via the eCQI Resource Center:

https://ecqi.healthit.gov/mc-workspace

Provide questions, suggestions, and feedback to:

ecqi-resource-center@hhs.gov
Disclaimer

This presentation was current as of January 31, 2020. Medicare policy changes frequently. Any links to Medicare online source documents are for reference use only. In the case that Medicare policy, requirements, or guidance related to this presentation change following the date of posting, this presentation will not necessarily reflect those changes; given that it will remain as an archived copy, it will not be updated.

This presentation was prepared as a service to the public and is not intended to grant rights or impose obligations. Any references or links to statutes, regulations, and/or other policy materials included in the presentation are provided as summary information. No material contained therein is intended to take the place of either written laws or regulations. In the event of any conflict between the information provided by the presentation and any information included in any Medicare rules and/or regulations, the rules and regulations shall govern. The specific statutes, regulations, and other interpretive materials should be reviewed independently for a full and accurate statement of their contents.