ELECTRONIC CLINICAL QUALITY IMPROVEMENT RESOURCE CENTER UPDATES

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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 electronic Clinical Quality Measurement (eCQM) tools and standards and is a place to coordinate people and activities around eCQI.

The eCQI Resource Center is constantly improving to better meet the needs of users and CMS encourages your feedback on the site.

Today we will highlight the latest updates based on the our most recent focus groups.
  • New eCQM Standards webpage
  • Main menu highlights and changes
NEW eCQM STANDARDS WEBPAGE

• CMS has a new webpage for eCQM Standards on the eCQI Resource Center.

• The eCQM Standards webpage provides an overview of key standards for developing and reporting eCQMs. Additionally, the new page provides information on:
  • Transmission standards for electronic exchange of healthcare data
  • Connections between standards and tools used to develop and test eCQMs
  • The eCQM standards update cycle
LOCATING THE eCQM STANDARDS WEBPAGE

eCQI Resource Center

- Updated eCQM pages and enhanced eCQM Data Element Repository (DERep) navigation Now Available
- Eligible Professional/Clinician
- Eligible Hospital/CAH
- eCQM Telehealth Guidance Now Available

Electronic Clinical Quality Improvement (eCQI) Resource Center: The eCQM one-stop shop.

RESOURCES AND TOOLS
- eCQI Tools & Resources
- eCQM and eCQI Educational Resources
- eCQM Implementation Checklist
- Measure Collaboration (MC) Workspaces

ECQI STANDARDS
- Standards Summary
- CQL (Clinical Quality Language)
- FHIR® (Fast Healthcare Interoperability Resources)
- HQMF (Health Quality Measure Format)
- QDM (Quality Data Model)
- CRDA (Quality Reporting Document Architecture)
- CDS/eCQM Harmonization
eCQM Standards

Electronic clinical quality measures (eCQM) standards are critical to data consistency, validity, and health information technology (IT). They refer to agreed-upon methods and terminology for connecting documents, messages, and related healthcare data elements. Standards pertain to data transmission, codes, and terms. See the Interoperability Standards Advisory for the eCQM recommended standards.

Key standards for electronic transmission of health information used to support eCQMs are:

- **CQL** – Clinical Quality Language – is the expression language used to explicitly communicate the logic needed to evaluate eCQMs. Essential to the operationalization of CQL is the Expression Logical Model (ELM) file. The ELM file is the machine-readable representation of the CQL designed for sharing and implementation applications.
- **HQMF** – Health Quality Measure Format – is a standard format to describe eCQM metadata, such as numerator, denominator, exclusions, and exceptions, as an XML document.
- **CQI-based Health Quality Measure Format (HQMF)** – is a standard implementation guide that describes how to use the HQMF base standard using the CQI and CQL to author eCQMs.
- **QDM** – Quality Data Model – is a standard information model that describes the data to represent information necessary for electronic quality assessment.
- **QRDA** – Quality Reporting Document Architecture – is a standard format for reporting eCQM data in a structured, consistent representation. There are two forms of QRDA in use, QRDA I for individual patient data and QRDA III for aggregate patient data.
eCQM STANDARDS WEBPAGE

Health Terminology Standards

CMS - Centers for Medicare & Medicaid Services
CQL - Clinical Quality Language
eCQM - electronic Clinical Quality Measure
ELM - Expression Logical Model
HQMF - Health Quality Measure Format
QDM - Quality Data Model
QRDA - Quality Reporting Document Architecture

eCQM Standard Tools

Measure Specification Phase
Measure Implementation Phase

CMS
QRDA I
QRDA III
CQI ELM
HQMF
Bonnie
Measure Developer

VSAC

CQI ELM
HQMF

MAT

Clinical Software Product Vendor

eCQM

Cypress

eCQM

NCQA Testing Resource

QRDA I, QRDA III

eCQM

QRDA I, QRDA III

eCQM
MENU CHANGES

New menu highlights where you are located on the main menu.
CONTACT US

• CMS invites you to explore the eCQI-centered community of the eCQI Resource Center and to send us your suggestions about the website at ecqi-resource-center@hhs.gov.