



Cooking with CQL, QDM, and FHIR® Webinar

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Agenda

- Welcome and Background
- White Board Session

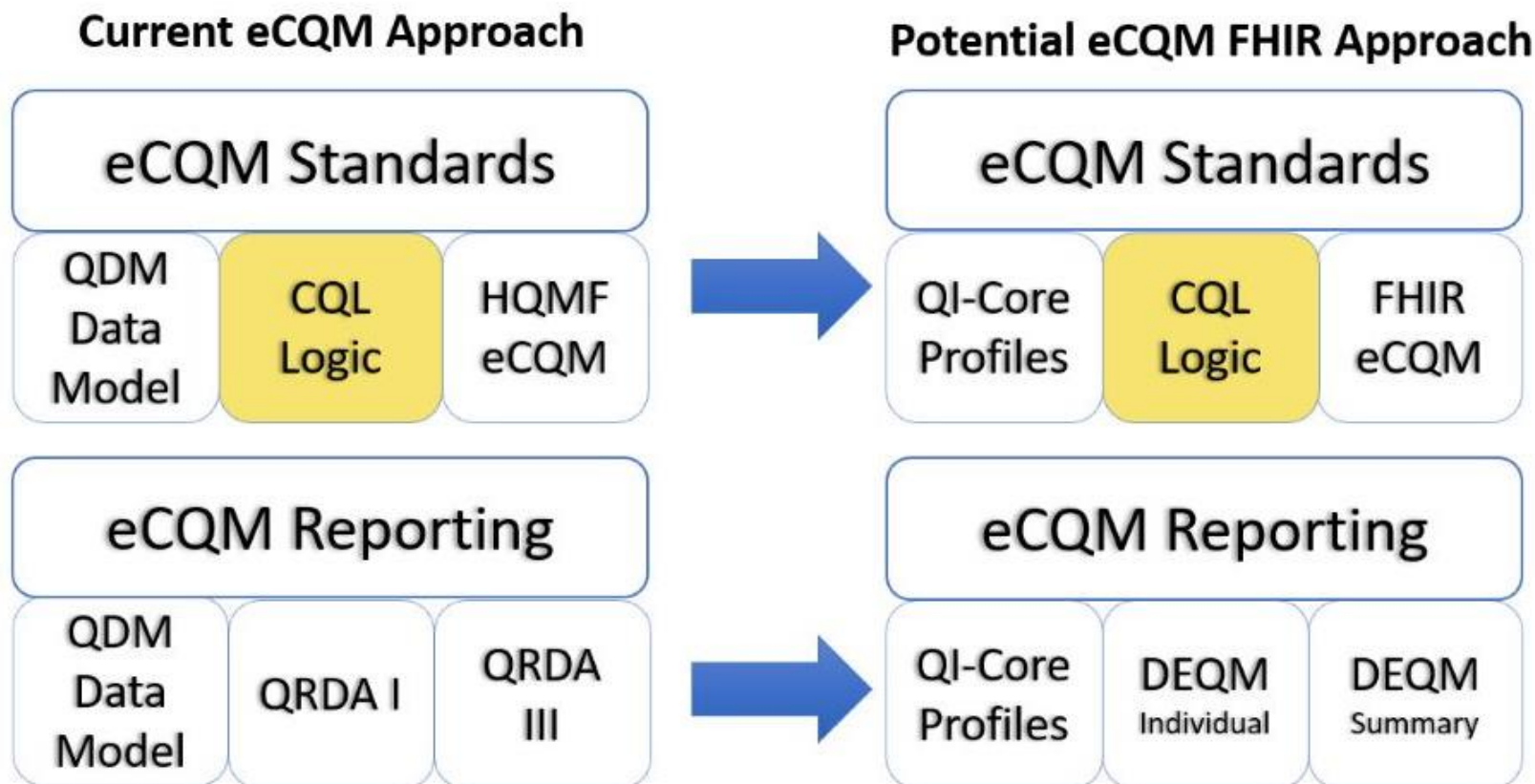
Evolving eCQM Standards Background

- **Background**
 - Through initiatives such as the eCQM Strategy Project, CMS has been pursuing means for improving harmonization and reducing burden related to quality reporting.
 - These initiatives resulted in new standards for quality measurement including the use of Clinical Quality Language (CQL) and continues with the investigation of Fast Healthcare Interoperability Resources® (FHIR)

Evolving eCQM Standards

- CQL
 - Beginning with the eCQMs intended for implementation in calendar year 2019, Health Level Seven International® (HL7®) CQL replaced the Quality Data Model (QDM) as the preferred eCQM expression language.
- FHIR
 - [FHIR](#) is a next-generation standards framework created by HL7
 - FHIR provides a means for representing and sharing information among clinicians and organizations in a standard and focuses on implementation and uses the latest web technologies to aid rapid adoption.
 - As CMS investigates the use of FHIR in quality reporting, eCQMs are undergoing translation to FHIR for the purpose of testing in pilot and Connectathon initiatives.

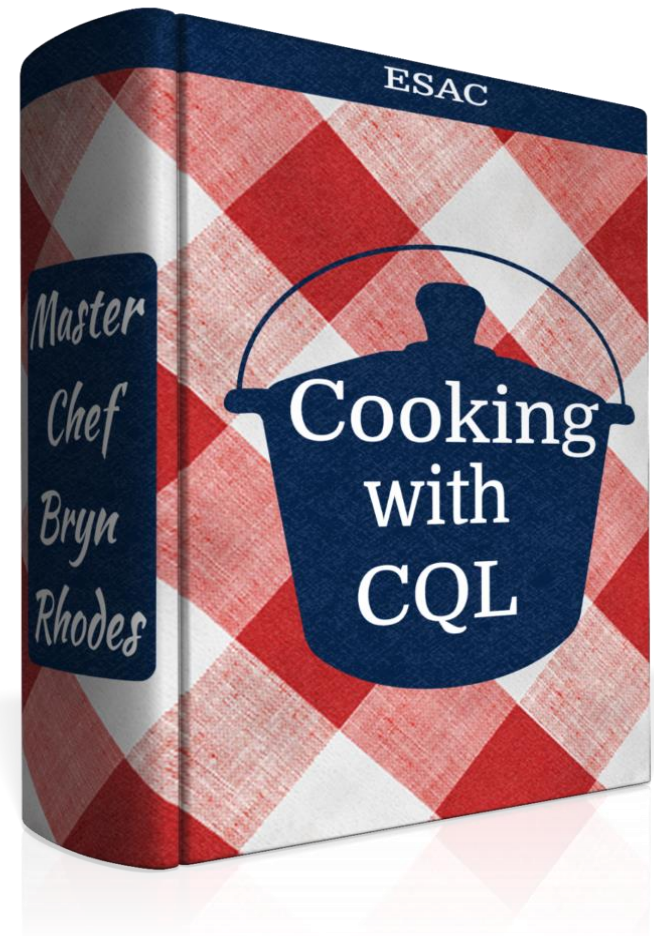
Evolving eCQM Standards - FHIR



HQMF – Health Quality Measure Format, QI-Core – Quality Improvement Core, QRDA – Quality Reporting Document Architecture, DEQM – Data Exchange for Quality Measurement

Purpose and Goals of “Cooking with CQL, QDM, and FHIR®”

- Interactive Forum
- Engage Measure Developers
- Solicit Feedback Early and Often



Disclaimers

- Examples and solutions are built near real-time. Many need thorough clinical, terminological, and technical review before implementation.
- The use of FHIR for representing eCQMs is investigational only and should not be interpreted as adoption of FHIR by CMS.
- Whatever we review on the calls is recorded and available for public viewing. Those presenting content for review and CQL formatting should only provide information that is appropriate for public display and distribution. If there is intellectual property in the content, the submitter agrees that it may be shared publicly.

White Board Session





Resources

- HL7 Standard: Clinical Quality Language Specification, Release 1 STU2
 - <http://cql.hl7.org>
- HL7 Clinical Decision Support (CDS) Workgroup Project Homepage
 - <https://confluence.hl7.org/display/CDS/WorkGroup+Home>
- GitHub Tools Repository
 - https://github.com/cqframework/clinical_quality_language
- Electronic Clinical Quality Improvement (eCQI) Resource Center - <https://ecqi.healthit.gov>
 - CQL Page - <https://ecqi.healthit.gov/cql>



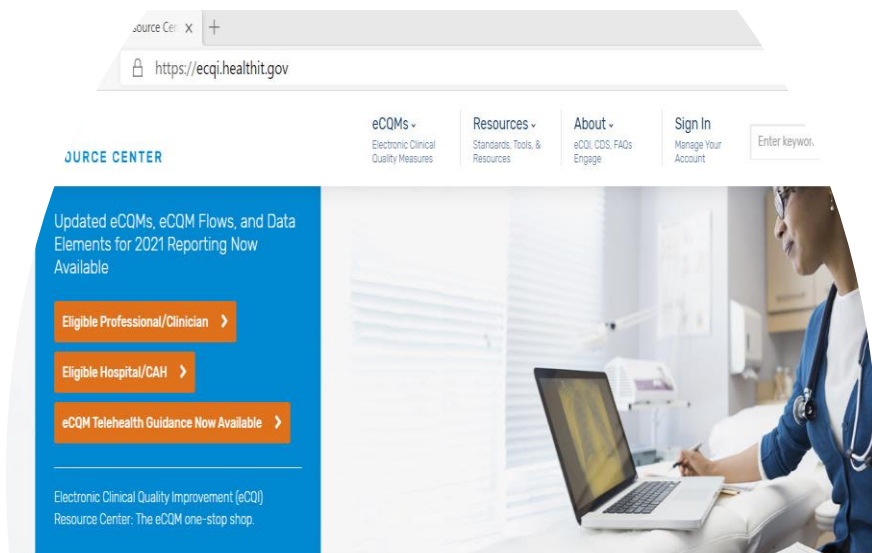
FHIR Resources

- HL7 Fast Healthcare Interoperability Resources (FHIR)
 - <http://hl7.org/fhir/>
- Quality Improvement Core (QI-Core) Implementation Guide
 - <http://hl7.org/fhir/us/qicore/>
- FHIR Quality Measure Implementation Guide
 - <http://hl7.org/fhir/us/cqfmeasures/>
- eCQI Resource Center FHIR page
 - <https://ecqi.healthit.gov/fhir>

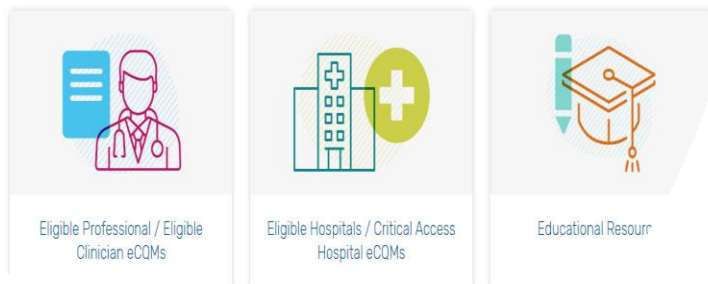
Soliciting Examples for the Next Session

- ESAC CQL Email Account
 - cql-esac@esacinc.com
- ESAC FHIR Email Account
 - fhir@esacinc.com
- ONC JIRA CQL Issue Tracker
 - <https://oncprojecttracking.healthit.gov/support/browse/CQLIT>

eCQI Resource Center - <https://ecqi.healthit.gov>



Featured Resources



The Electronic Clinical Quality Improvement (eCQI) Resource Center:

- Electronic Clinical Quality Measures (eCQM) specifications and implementation materials for Eligible Professionals, Eligible Clinicians, Eligible Hospitals, and Critical Access Hospitals
- eCQI standards information
- eCQI tools, resources, and educational materials

MC Workspace - <https://ecqi.healthit.gov/mc-workspace-2>

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 (eCQM).

Links to Measure Concept Resources

- Meaningful Measures Areas
- CMS Measures Inventory Tool (DMIT)
- Measures Under Consideration (MUC) List

Propose and share feedback on new measure concepts

- Assess alignment with Meaningful Measures Areas
- Check the CMS Measures inventory for similar measures

Access the shared development workspace

- Search measure workflow documentation
- Provide comments on evolving eCQMs

Access test results

- See all important test attributes
- Participate in measure testing activities

Access eCQM data elements

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

- Measure Collaboration (MC) Workspace:
 - Interconnected resources, tools, and processes to promote transparency and interaction across stakeholder communities that develop and implement eCQMs
 - Four modules:
 - eCQM Concepts
 - New eCQM Clinical Workflow
 - eCQM Test Results
 - eCQM Data Element Repository

Contact the eCQI Resource Center and MC Workspace

- Email comments, suggestions, questions, and requests to post events and news to ecqi-resource-center@hhs.gov
- Visit the [eCQI Resource Center Frequently Asked Questions](#)
- Visit the [MC Workspace Frequently Asked Questions](#)

Questions?

