



Cooking with CQL, QDM, and FHIR® Webinar

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Agenda

- Measure Standards Background
- White Board Session

digital Quality Measures (dQM) Standards Background

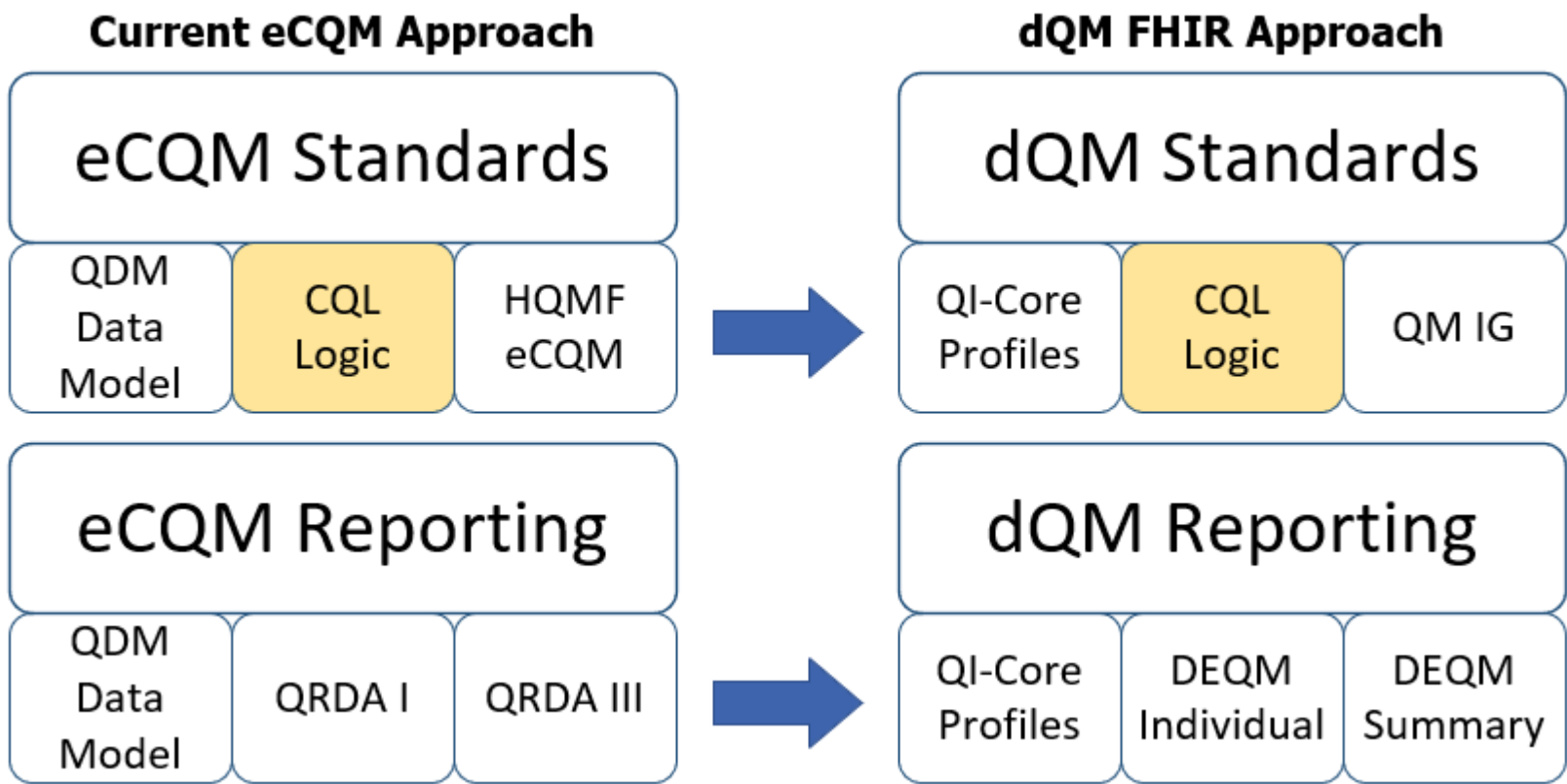
- **Background**

- Building on the foundations of the Clinical Quality Framework (CQF) (2013) and eCQM Strategy Project (2017), CMS has continued to modernize quality reporting to reduce administrative burden and enhance standard harmonization.
- These initiatives resulted in new standards for quality measurement including the integration of Clinical Quality Language (CQL) for logic expressions and Fast Healthcare Interoperability Resources® (FHIR) to represent clinical concepts.

Health Level Seven International® (HL7®) dQM Standards

- CQL
 - Initiated with the eCQMs for Performance Period 2019
 - Replaced the Quality Data Model (QDM) as the preferred expression language
- FHIR
 - [FHIR](#) is a next-generation standards framework for electronic health information exchange among clinicians and healthcare organizations
 - FHIR utilizing RESTful APIs and standard formats like JSON and XML
 - FHIR provides a common language that ensures data remains structured and meaningful
- FHIR and CQL measures are currently being tested in Connectathon initiatives

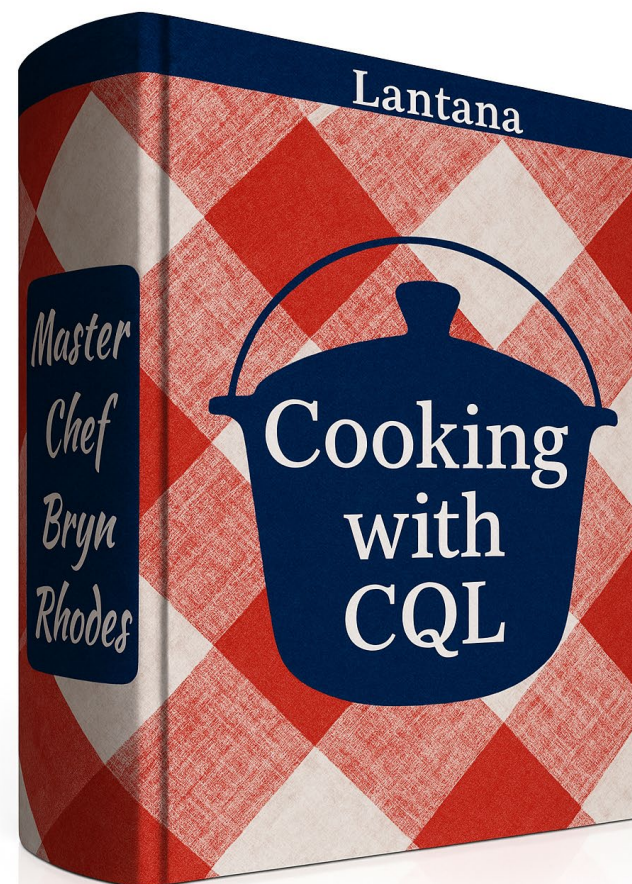
eCQMs to dQMs Standards



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

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

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

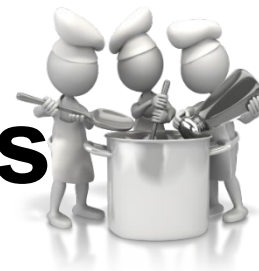


Disclaimers

- Examples and solutions are built near real-time; many require thorough clinical, terminological, and technical review before implementation.
- All discussions and examples are for demonstration purposes only and do not imply adoption or endorsement by CMS.
- All content reviewed during these calls is recorded and publicly available. Individuals presenting content for review and CQL formatting are responsible for ensuring that the information is suitable for public disclosure and distribution. By submitting content that includes intellectual property, the submitter consents to its public sharing.

White Board Session





CQL Educational Resources

- CQL on Electronic Clinical Quality Improvement (eCQI) Resource Center - <https://ecqi.healthit.gov/cql/about>
- Previous Cooking with CQL, QDM, and FHIR® examples and questions and answers - [Cooking with CQL Examples - CQL Formatting and Usage Wiki](#)

CQL Implementation and Technical Resources

- HL7 Standard: Clinical Quality Language Specification, Normative
 - <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





FHIR Resources

- HL7 Fast Healthcare Interoperability Resources (FHIR)
 - <http://hl7.org/fhir/>
- Quality Improvement Core (QI-Core) Implementation Guide (IG)
 - <https://hl7.org/fhir/us/qicore/STU6/>
- FHIR Quality Measure IG
 - <http://hl7.org/fhir/us/cqfmeasures/>
- FHIR Data Exchange for Quality Measures IG
 - [HL7.FHIR.US.DAVINCI-DEQM\Home - FHIR v4.0.1](http://HL7.FHIR.US.DAVINCI-DEQM/Home)
- eCQI Resource Center FHIR page
 - <https://ecqi.healthit.gov/fhir>

Solicit Examples for the Next Session

- Lantana email account:
 - ecqi@lantanagroup.com
- ONC JIRA CQL Issue Tracker
 - <https://oncprojecttracking.healthit.gov/support/browse/CQLIT>