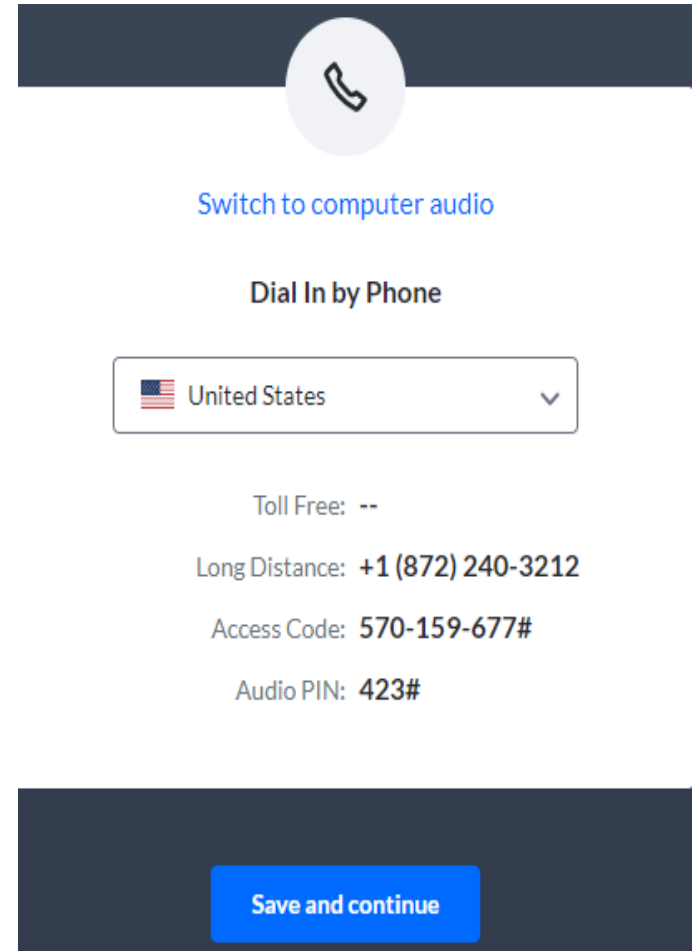# Audio Connection

- "Dial in by phone" is preferred
  - Follow the prompts on the screen
- Methods to change audio connection after connecting:
  - Click the "Settings" icon in the Control Panel
  - Click on the "Computer" or "Phone"
    - If you selected "Computer," use the drop-down menu to select which audio devices to use for your mic and speakers
    - If you selected "Phone," use a telephone to dial in to the audio and enter the access code and Audio PIN when prompted. Use the drop-down menu to see phone numbers for additional countries.

Switch to computer audio

Dial In by Phone

United States

Toll Free: --

Long Distance: +1 (872) 240-3212

Access Code: 570-159-677#

Audio PIN: 423#

Save and continue

Cooking with CQL, QDM, and FHIR® Webinar

Shanna Hartman
Centers for Medicare & Medicaid Services
and
Bryn Rhodes, ESAC, Inc.

January 21, 2021

Agenda

- Welcome and Background
- White Board Session
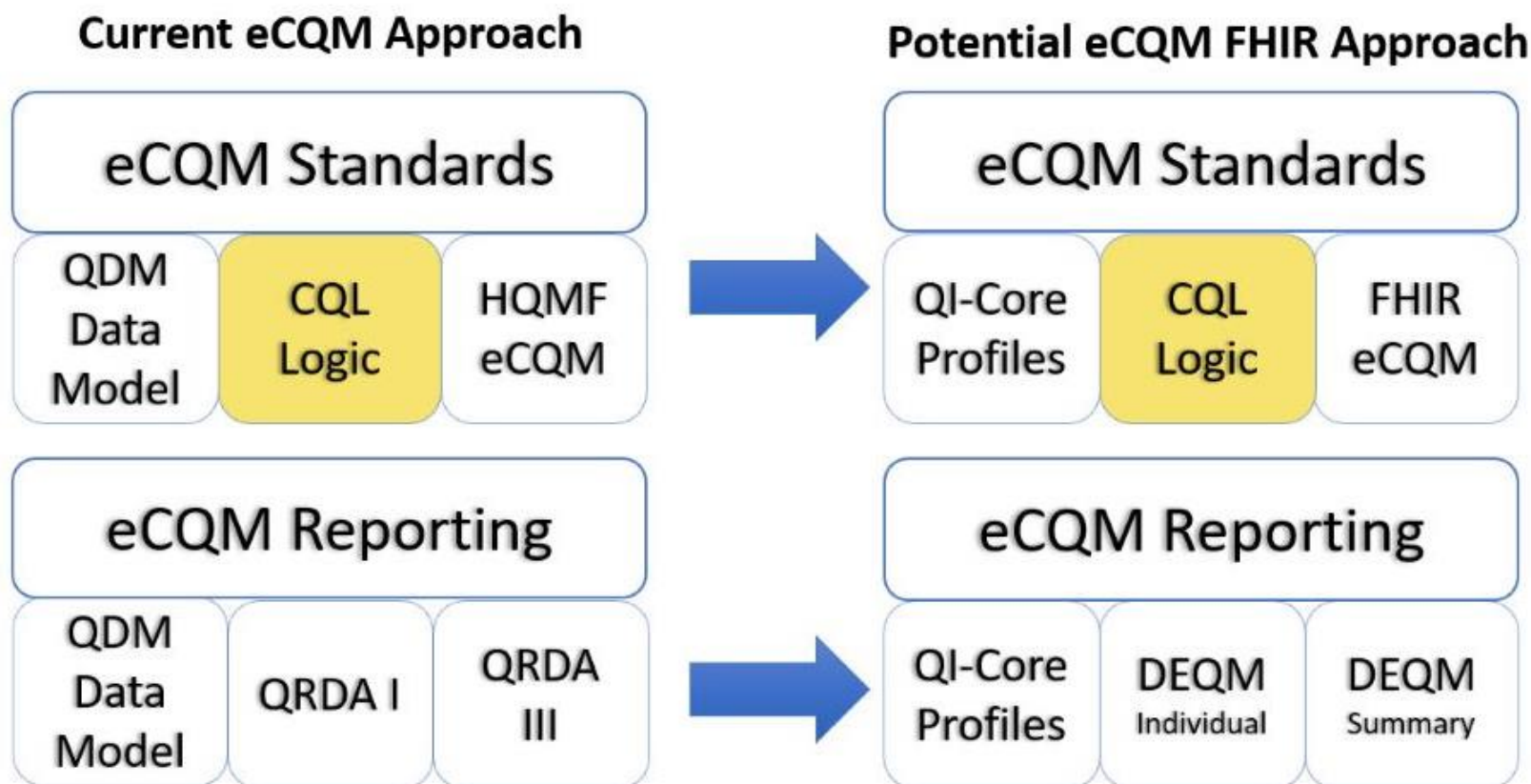
Evolving eCQM Standards Background

- **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

Current eCQM Approach

eCQM Standards

QDM Data Model	CQL Logic	HQMF eCQM

eCQM Reporting

QDM Data Model	QRDA I	QRDA III

Potential eCQM FHIR Approach

eCQM Standards

QI-Core Profiles	CQL Logic	FHIR eCQM

eCQM Reporting

QI-Core Profiles	DEQM Individual	DEQM Summary

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

CMS CENTERS FOR MEDICARE & MEDICAID SERVICES

Purpose and Goals of "Cooking with CQL, QDM, and FHIR®"

- Interactive Forum

- Engage Measure Developers

- Solicit Feedback Early and Often
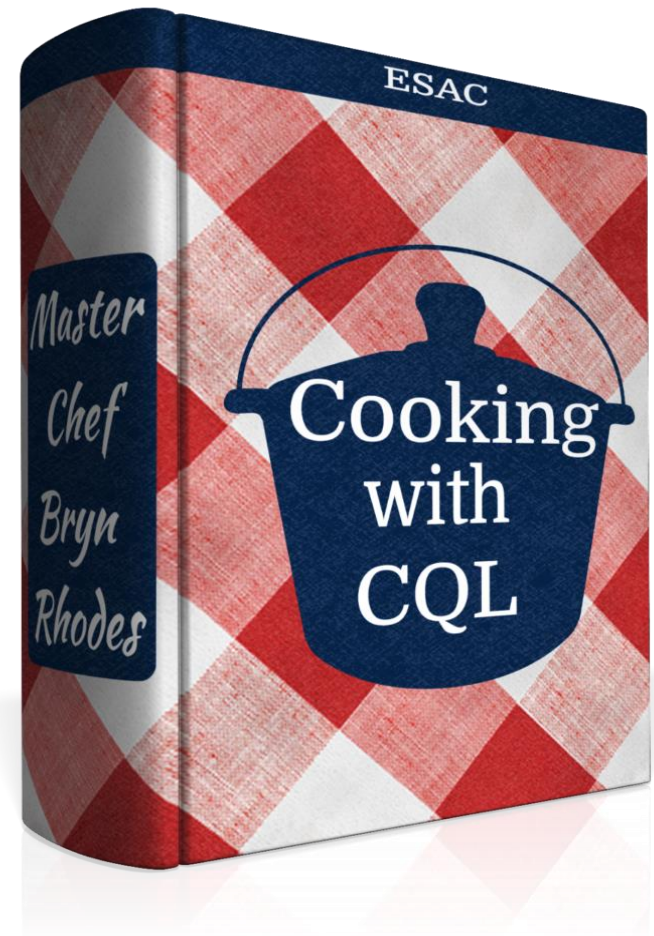
Disclaimers

- 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://oncprojectracking.healthit.gov/support/browse/CQLIT

eCQI Resource Center - https://ecqi.healthit.gov
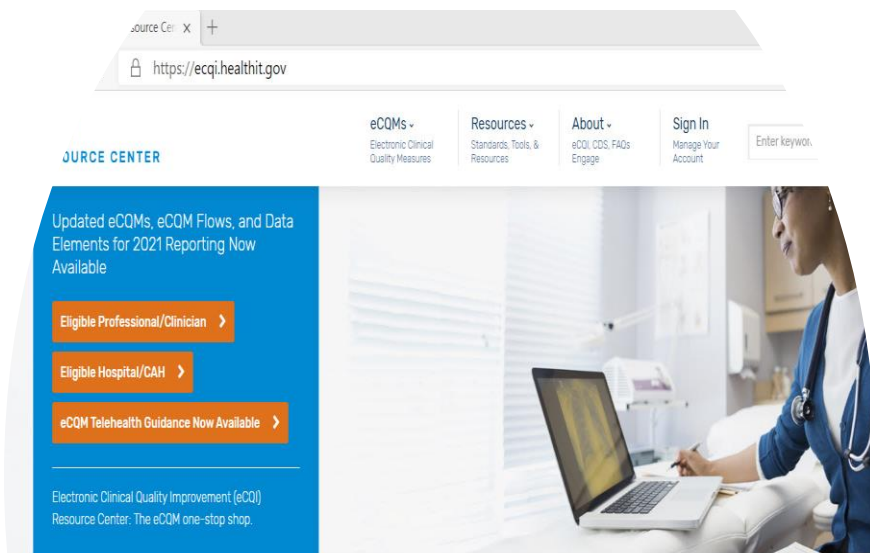
The Electronic Clinical Quality Improvement (eCQI) Resource Center:

- 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:
  - 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?