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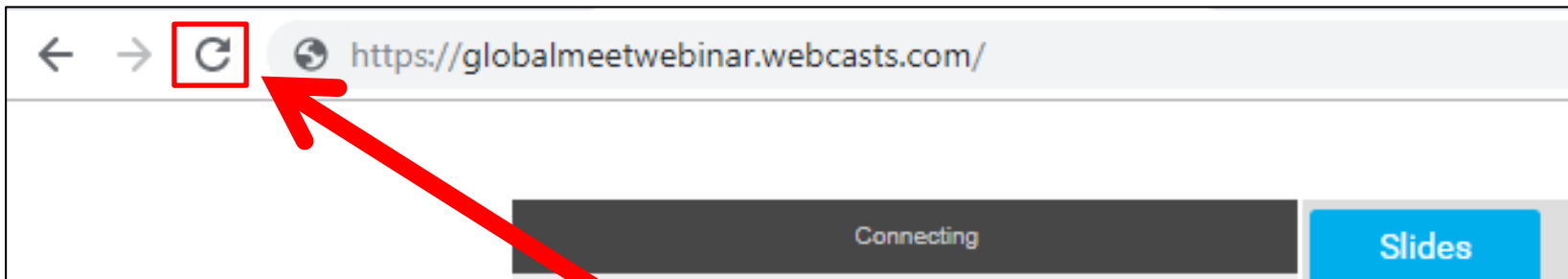**Audio from computer speakers breaking up?**
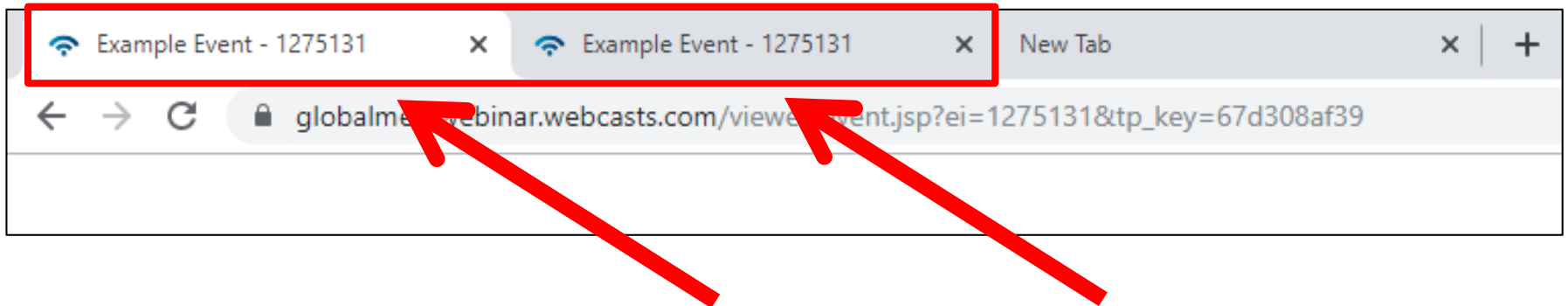
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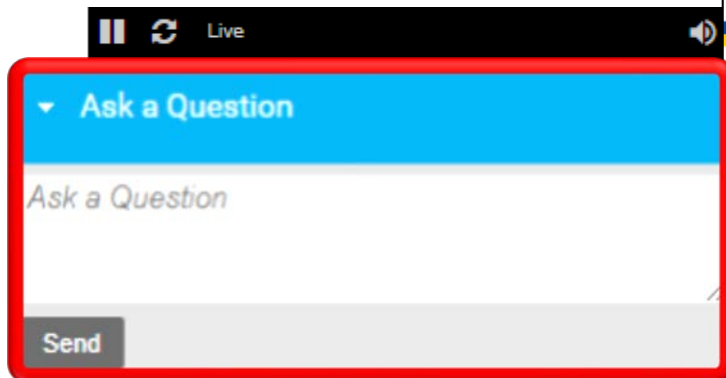- **Close all but one browser/tab and the echo will clear.**

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Inpatient Value, Incentives, and Quality Reporting (VIQR) Outreach and Education Support Contractor

Today's Presentation

CMS QRDA Category I Implementation Guide Changes for CY 2020 Hospital Quality Reporting

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Purpose

This presentation will provide:

- An overview of the changes to the 2020 CMS Quality Reporting Document Architecture (QRDA) Category I Implementation Guide (IG) for Hospital Quality Reporting (HQR), including changes made from Calendar Year (CY) 2019 to CY 2020.

- A high-level overview of updates to the Health Level Seven International (HL7) base standard QRDA Category I IG.

- A review of available resources.

Objectives

Participants will be able to:

- Identify changes and updates to the 2020 CMS QRDA Category I IG for HQR.

- Recognize high-level changes to the HL7 base standard QRDA Category I IG.

- Locate resources related to the CMS and HL7 IGs.

Changes and Updates to the 2020 CMS QRDA Category I IG for HQR

Background

- CMS has published the 2020 CMS QRDA Category I IG Version 1.1, <u>Schematron, and Sample File for HQR</u> (IG Updated December 3, 2019; schematron and sample file updated March 2020).

- The 2020 CMS QRDA I IG outlines requirements for eligible hospitals and critical access hospitals to report electronic clinical quality measures (eCQMs) for the CY 2020 reporting period for the following programs:

  - Hospital Inpatient Quality Reporting (IQR) Program

  - Medicare and Medicaid Promoting Interoperability Program for Eligible Hospitals and Critical Access Hospitals (CAHs)

- The 2020 CMS QRDA I Schematron is a companion to the 2020 CMS QRDA I IG and allows for computerized validation of QRDA documents against the IG requirements.

Comparison of 2020 to 2019 IGs

	2020 CMS QRDA I IG for HQR	2019 CMS QRDA I IG for HQR
Reporting Period	**2020** reporting period	**2019** reporting period
eCQM Specifications	To be used with eCQM specifications for eligible hospitals (EHs)/CAHs published **May 2019 and any applicable addenda** • https://ecqi.healthit.gov/system/files/EH-CAH-eCQM-2019-05.zip eCQMs are specified based on the Clinical Quality Language (CQL)-based Health Quality Measure Format (HQMF) Implementation Guide R1, STU3.1 Errata	Used with eCQM specifications for EHs/CAHs for the 2019 reporting period eCQMs were specified based on the CQL-based HQMF Implementation Guide R1, STU 2
Value Sets	eCQM value sets for EHs published May 10, 2019 and any applicable addenda • https://vsac.nlm.nih.gov/download/ecqm?rel=20190510	eCQM Value Sets for EHs/CAHs for the 2019 reporting period

Comparison of 2020 to 2019 IGs
(Continued)

	2020 CMS QRDA I IG for HQR	2019 CMS QRDA I IG for HQR
Base HL7 Standard	HL7 IG for Clinical Document Architecture (CDA) Release 2: **QRDA Category I**, Release 1**, Standard for Trial Use (STU) Release 5.1 with October 2019 Errata** • [CDAR2_IG_QRDA-I_R1_STU5.1_2018DEC with 2019OCT errata](#) (A free HL7 account is required to access the standard.)	HL7 IG for CDA R2: QRDA I, Release 1, STU Release 5, December 2017
Quality Data Model (QDM)	Supports QDM Version 5.4 • https://ecqi.healthit.gov/system/files/QDM_v5_4_Aug2018errataUpdate_CLEAN_508.pdf	Supports QDM version 5.3

2020 IG Updates: CMS Program Names

2020 CMS QRDA I IG for HQR		2019 IG
HQR_PI	Hospital Quality Reporting for the Promoting Interoperability Program	HQR_PI
HQR_IQR	Hospital Quality Reporting for the Inpatient Quality Reporting (IQR) Program	HQR_IQR
HQR_PI_IQR	Hospital Quality Reporting for the Promoting Interoperability Program and the IQR Program	HQR_PI_IQR
HQR_IQR_VOL	Hospital Quality Reporting for IQR Program voluntary submissions	HQR_IQR_VOL
(removed)		CDAC_HQR_EHR (for Clinical Data Abstraction Center [CDAC] users)

CMS program names are specified in ClinicalDocument/informationRecipient.

2020 IG Updates: Key Elements for Succession Management

No changes to the five key elements used for succession management from the 2019 IG:

- CMS Certification Number (CCN)
- CMS Program Name
- EHR Patient ID
- EHR Submitter ID, and
- Reporting period specified in the Reporting Parameters Section

2020 IG Updates: Patient Identifiers

No changes to the patient identifier requirements from the 2019 IG:

- Patient Identification Number is required
- Medicare Beneficiary Identifier (MBI) is not required, but should be submitted if the payer is Medicare and the patient has an MBI number assigned
- Medicare Health Insurance Claim (HIC) Number is not required, but should be submitted if the payer is Medicare and the patient has an HICN assigned

Patient identifiers are specified in ClinicalDocument/recordTarget.

2020 IG Updates: Document-Level Template

Two document-level templates have a new version.

2020 CMS QRDA I IG for HQR	2019 CMS QRDA I IG for HQR
QRDA Category I Report – CMS (V6) urn:hl7ii:2.16.840.1.113883.10.20.24.1.3:2019-02-01	QRDA Category I Report – CMS (V5) urn:hl7ii:2.16.840.1.113883.10.20.24.1.3:2018-02-01
Conforms to QDM-Based QRDA (V6) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.1.2:2018-10-01).	Conforms to QDM-Based QRDA (V5) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.1.2:2017-08-01).

The correct template versions for the four required document-level templates must be used.

```
<!-- US Realm Header (V3) -->
<templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01" />
<!-- QRDA Category I Framework (V4) -->
<templateId root="2.16.840.1.113883.10.20.24.1.1" extension="2017-08-01" />
<!-- QDM-Based QRDA (V6) -->
<templateId root="2.16.840.1.113883.10.20.24.1.2" extension="2018-10-01" />
<!-- QRDA Category I Report - CMS (V6) -->
<templateId root="2.16.840.1.113883.10.20.24.1.3" extension="2019-02-01" />
```

2020 IG Updates: Section Templates

2020 CMS QRDA I IG for HQR	2019 CMS QRDA I IG for HQR
Measure Section QDM • Same as 2019	Measure Section QDM
Reporting Parameters Section – CMS • Same as 2019 • Must be one of the CY 2020 allowable discharge quarters	Reporting Parameters Section – CMS
Patient Data Section QDM (V6) – CMS (2.16.840.1.113883.10.20.24.2.1.1:2019-02-01) • Conforms to Patient Data Section QDM (V6) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.2.1:2018-10-01) • Supports QDM v5.4	Patient Data Section QDM (V5) – CMS (2.16.840.1.113883.10.20.24.2.1.1:2018-02-01) • Conforms to Patient Data Section QDM (V5) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.2.1:2017-08-01) • Supports QDM v5.3 Annotated

2020 IG Updates: Updated HQR Validations

- CMS_0073
  - The error description was updated to validate that submitted QRDA Category I files must conform to the 2020 CMS QRDA Category I IG.

```
<!-- US Realm Header (V3) -->
<templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01" />
<!-- QRDA Category I Framework (V4) -->
<templateId root="2.16.840.1.113883.10.20.24.1.1" extension="2017-08-01" />
<!-- QDM-Based QRDA (V6) -->
<templateId root="2.16.840.1.113883.10.20.24.1.2" extension="2018-10-01" />
<!-- QRDA Category I Report - CMS (V6) -->
<templateId root="2.16.840.1.113883.10.20.24.1.3" extension="2019-02-01" />
```

- CMS_0074
  - The error description was updated to validate that each measure must reference the eCQM Version Specific Measure Identifier and that only the eCQM Specifications for EHs/CAHs for 2020 reporting period will be accepted.

2020 IG Updates: New HQR Validations

- CMS_0082
  - New error message added to the 2020 IG

Validation Performed	Description of Error Message and File Rejection
CMS EHR Certification ID does not meet year/version criteria.	The EHR system needs to be certified to 2015 Edition for CY2020/PY2022.

2020 IG Updates: Date and Time Validation

- Updated BirthTime in Table 15: Valid Date/Time Format for HQR for clarity

Attribute	2020 CMS QRDA I IG for HQR	2019 CMS QRDA I IG for HQR
BirthTime	Valid Date/Time Format: YYYYMMDD YYYYMMDDHHMM YYYYMMDDHHMMSS	Valid Date/Time Format: YYYYMMDD YYYYMMDDHHMM

2020 IG Updates:
"Not Done" with a Reason

- The section is updated for clarity.
  - o Must set the attribute negataionInd="true"
  - o If QDM element in eCQM specification is defined using a value set
    - Must provide code/[@nullFlavor="NA"]
    - Must provide the value set OID instead of a specific code from the value set.
    - Set the code attribute code/sdtc:valueset="[VSAC value set OID]"
  - o If QDM element in eCQM specification is defined using direct referenced code:
    - Must provide code/[@nullFlavor="NA"]
    - Must provide the direct referenced code.
    - Set the code attribute code ="[The Direct Referenced Code]"
  - o Must provide the reason for negation

◢ **No Antithrombotic Ordered for Medical Reason or Patient Refusal**

["Medication, Not Ordered": "Antithrombotic Therapy"] NoAntithromboticOrder
where NoAntithromboticOrder.negationRationale in "Medical Reason"
or NoAntithromboticOrder.negationRationale in "Patient Refusal"

2020 IG Updates:
Reason Template Placement

- New appendix – Reason Template Placement When Specifying "Not Done" with a Reason
  - Reason (V3) template is nested directly within the element containing the negationInd attribute
  - Examples provided for
    - Device, Not Applied
    - Device, Not Ordered
    - Medication, Not Administered
    - Medication, Not Discharged
    - Medication, Not Ordered

2020 IG Updates: Ensuring Data Uniqueness

- New appendix – Ensuring Data Uniqueness
  - Duplicated data could potentially lead to increased data processing time, but most importantly, might cause incorrect processing and therefore produce unexpected measure results when calculated by other entities.
  - Each reported QDM data element contains all of the attributes (e.g., discharge status, facility location, etc.) required by all measures, which are reported in the file, in the same QRDA template for the same instance.
  - Not to duplicate QDM data element by including sdtc:valueSet
  - Key data elements for determining each unique episode of care
    - Encounter id element
    - Encounter code
    - Admission date time
    - Discharge date time

High-Level Changes to the
HL7 Base Standard QRDA Category I IG

Base HL7 QRDA Category I IG for CY 2020

- HL7 IG for CDA Release 2: QRDA Category I, Release 1, STU Release 5.1 with October 2019 Errata

  o Direct link: http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.1_2018DEC_2019OCTerrata.zip

  o HL7 QRDA I Product Page:

    ▪ http://www.hl7.org/implement/standards/product_brief.cfm?product_id=35

Publication Date	Version	Description
October 2019 Current Version	STU 5.1 with errata	Errata: QRDA I Release 1, STU Release 5.1, Supports QDM v5.4 CDAR2_IG_QRDA-I_R1_STU5.1_2018DEC with 2019OCT errata Note: for the 2020 reporting period (CMS and The Joint Commission)
December 2018	STU 5.1	QRDA I Release 1, STU Release 5.1, Supports QDM v5.4 CDAR2_IG_QRDA-I_R1_STU5.1_2018DEC

Base HL7 QRDA Category I IG for CY 2020

- Main updates include the following:

  o Aligned with QDM Version 5.4

  o Addressed approved STU comments with "Errata Report" and "Clarification" as the disposition

    ▪ http://www.hl7.org/dstucomments/showdetail.cfm?dstuid=220

  o Updated the HQMF QDM datatype to QRDA template mapping tables

- October 2019 Errata updates include:

  o Corrected issues reported through the STU Comments process and accepted as errata

  o Added clarifications for issues reported through the STU Comments process that are accepted as clarification and considered important for inclusion

  o Applied published HL7 Consolidated C-CDA R2.1 errata corrections that are applicable to the QRDA I STU R5.1

  o Detailed errata changes are listed in the spreadsheet: 2019OCT_QRDA_I_R1_STU5.1_Errata_List.xlsx

Quality Data Model Changes QDM 5.4

- The QRDA I STU 5.1 was updated to support QDM 5.4.
- For detailed QDM changes, review QDM 5.4 (August 2018), Appendix B: Change Log.
  - https://ecqi.healthit.gov/system/files/QDM_v5_4_Aug2018errataUpdate_CLEAN_508.pdf
  - B.1 Changes in QDM 5.4

Quality Data Model Changes
QDM 5.4 (Continued)

- High level summary of the QDM datatypes changes
  - New data type
    - Assessment, Order
  - The three previous Communication QDM data types are merged to a single QDM data type
    - New
      - Communication, Performed
    - Removed
      - Communication, Provider to Patient
      - Communication, Patient to Provider
      - Communication, Provider to Provider

Quality Data Model Changes Since QDM 5.4 (Continued)

- High level summary of the QDM attributes changes
  - Added
    - *daysSupplied* attribute to Medication Order, Medication Dispensed and Medication Discharge
    - *prescriberIdentifier* attribute to Medication Order and Medication Dispensed
    - *dispenserIdentifier* attribute to Medication Dispensed
    - *setting* attribute to Medication Order
  - Removed
    - *Method* attribute from all datatypes with a recommended or order context (Assessment Recommended, Assessment Order, Diagnostic Study Order, Diagnostic Study Recommended, Laboratory Test Order, Laboratory Test Recommended, Procedure Order, Procedure Recommended, Substance Recommended, Physical Exam Order, Physical Exam Recommended)
    - *supply* attribute from Medication Active, Medication Administered, Substance Administered, Substance Recommended, and Immunization Administered
    - *Anatomical approach site* attribute from Device Applied, Procedure Performed, Procedure Order, Procedure Recommended

HL7 QRDA Category I IG STU R5.1 Changes

- New templates for QDM datatypes
  - Assessment Order
    (urn:hl7ii:2.16.840.1.113883.10.20.24.3.158:2018-10-01)
  - Communication Performed
    (urn:hl7ii:2.16.840.1.113883.10.20.24.3.156:2018-10-01)
- New template for QDM attribute
  - Days Supplied (urn:hl7ii:2.16.840.1.113883.10.20.24.3.157:2018-10-01)
- Removed templates :
  - Communication from Patient to Provider (V4)
    (urn:hl7ii:2.16.840.1.113883.10.20.24.3.2:2017-08-01)
  - Communication from Provider to Patient (V4)
    (urn:hl7ii:2.16.840.1.113883.10.20.24.3.3:2017-08-01)
  - Communication from Provider to Provider (V4)
    (urn:hl7ii:2.16.840.1.113883.10.20.24.3.4:2017-08-01)

HL7 QRDA Category I IG STU R5.1 Changes (Continued)

- Document templates:
  - o No change to the US Realm Header (V3) template
  - o No change to the QRDA Category I Framework (V4) template
  - o QDM-Based QRDA template is updated from (V5) to (V6)
    - Now references the updated Patient Data Section QDM (V6) template, which supports QDM 5.4

HL7 QRDA Category I IG
STU R5.1 Changes (Continued)

- Section templates:
  - No change to the Measure Section QDM template
  - No change to the Reporting Parameter Section template
  - Patient Data Section QDM (V6) (urn:hl7ii:2.16.840.1.113883.10.20.24.2.1:2018-10-01)
    - Template id extension is updated from "2017-08-01" to "2018-10-01"
    - Updated to support QDM 5.4 changes
      - Added references to new templates for the new QDM data types
      - Removed references to templates for the removed QDM data type templates
      - Updated the references for those QDM data types that have a new template version (template id extension "2018-10-01")

HL7 QRDA Category I IG
STU R5.1 Changes (Continued)

- List of templates have a new version:
  - QDM-Based QRDA (V6) (urn:hl7ii:2.16.840.1.113883.10.20.24.1.2:2018-10-01)
  - Patient Data Section QDM (V6) (urn:hl7ii:2.16.840.1.113883.10.20.24.2.1:2018-10-01)
  - Device Applied (V5) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.7:2018-10-01)
  - Discharge Medication (V4) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.105:2018-10-01)
  - Medication Dispensed Act (V3) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.139:2018-10-01)
  - Medication Dispensed (V5) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.45:2018-10-01)
  - Medication Order (V5) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.47:2018-10-01)
  - Procedure Order (V5) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.63:2018-10-01)
  - Procedure Performed (V5) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.64:2018-10-01)
  - Procedure Recommended (V5) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.65:2018-10-01)

HL7 QRDA Category I IG STU R5.1 Changes (Continued)

- Volume 1 Changes:
  - Added section 3.5 Use of UTC Time Zone Offset in Datetimes
  - October 2019 Errata added section 6.5 Processing Considerations
    - 6.5.1 Guidance for Ensuring Data Uniqueness
    - 6.5.2 Guidance for Reason Template Placement When Specifying "Not Done" with a Reason

HL7 QRDA Category I IG STU R5.1 Changes (Continued)

- Change logs
  - Volume 1, Appendix B – High Level Change Log summarizes changes in both Volume 1 and Volume 2
  - Volume 2, Chapter 10 – Changes from Previous Version

Resources

- 2020 CMS QRDA Category I IG for HQR (Updated December 2019)
  - https://ecqi.healthit.gov/eh-cah-ecqms
- Accompanying Schematron and sample files and any applicable updates (updated March 2020)
  - https://ecqi.healthit.gov/eh-cah-ecqms

Additional Resources

- Additional QRDA-related resources can be found on the eCQI Resource Center:
  - Current and past IGs: https://ecqi.healthit.gov/qrda
  - CMS QRDA Pre-Submission Validation Tools Guide: https://ecqi.healthit.gov/cms-qrda-pre-submission-validation-tools-guide
  - QRDA educational resources: https://ecqi.healthit.gov/qrda/qrda-educational-resources
  - CMS QRDA Category I Conformance Statement Resource
    - https://ecqi.healthit.gov/sites/default/files/2019-CMS-QRDA-I-Conformance-Statement-Resource-v1.0-508.pdf (for the 2019 reporting period) (The Conformance Statement Resource for the 2020 reporting period will be posted when available.)
  - For questions related to this guidance, the QRDA Category I IGs, or Schematrons, visit the ONC QRDA JIRA Issue Tracker - https://ecqi.healthit.gov/qrda
- Value Set Authority Center (VSAC) - https://vsac.nlm.nih.gov

Resources

Topic	Who to Contact	How to Contact
Hospital IQR Program and Policy	Hospital Inpatient Support Team	(844) 472-4477 https://cmsqualitysupport.service-now.com/qnet_qa
Promoting Interoperability Program* (objectives, attestation, and policy)	*QualityNet* Help Desk	(866) 288-8912 qnetsupport@hcqis.org
eCQM specifications (code sets, measure logic, and measure intent)	ONC JIRA Issue Trackers	eCQM Issue Tracker https://oncprojectracking.healthit.gov/support/projects/CQM/summary
QRDA-related questions (CMS IG, Schematrons and Sample Files)		QRDA Issue Tracker https://oncprojectracking.healthit.gov/support/projects/QRDA/summary
QualityNet Secure Portal (reports, PSVA tool, data upload, and troubleshooting file errors)	*QualityNet* Help Desk	(866) 288-8912 qnetsupport@hcqis.org
eCQM data validation	Validation Support Team	validation@hcqis.org or https://cmsqualitysupport.service-now.com/qnet_qa

*Previously known as the EHR Incentive Program

CMS QRDA Category I Implementation Guide
Changes for CY 2020 Hospital Quality Reporting

Question & Answer Session

Continuing Education (CE) Approval

This program has been approved for [CE credit](#) for the following boards:

- **National credit**
  - o Board of Registered Nursing (Provider #16578)
- **Florida-only credit**
  - o Board of Clinical Social Work, Marriage & Family Therapy and Mental Health Counseling
  - o Board of Registered Nursing
  - o Board of Nursing Home Administrators
  - o Board of Dietetics and Nutrition Practice Council
  - o Board of Pharmacy

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