



Most Common eCQM Submission Errors for Hospital QRDA Category-I Files



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Objectives

- To provide education about electronically specified Clinical Quality Measures (eCQM) to submitters/vendors on the most common errors that are causing the eCQM test files to be rejected upon submission
- To assist impending submitters to increase awareness and reduce likelihood of rejected test files
- To provide examples to help submitters/vendors correct their files for resubmission

File Doesn't Match QRDA - I Schema

ERROR: The document does not conform to QRDA document formats accepted by CMS

- The QRDA file does not conform to the QRDA xsd schema as specified by the HL7 QRDA Category I Release 2 Implementation Guide (IG)
- Only acceptable QRDA file formats are .xml and .zip files
- IQR xml, PDF, Word, Excel, photo, etc. files will be rejected

Not a Well Formed QRDA XML

ERROR: Data submitted is not a well formed QRDA XML

- Violates syntax rule in the XML specification, e.g., missing tag, empty file
- Processing stops immediately on file
- File is rejected

Absence of Facility CCN

ERROR: This SHALL contain exactly one [1..1] Facility CMS Certification Number

- CCN is a required element for HQR Only
- Hospital CCN is the represented CustodianOrganization id/@root(="2.16.840.1.113883.4.336") coupled with the id/@extension
- For more information, see the CMS HQR QRDA Category Release 2 Supplementary Implementation Guide (IG), Version 2.2, dated 04/21/2014, pg. 9, Section 5.3, located on the CMS eCQM Library page

CCN Cannot Be Validated

ERROR: CMS Certification Number (CCN) cannot be validated

- Possible Causes of Error:
 - CCN passes internal Schematron format check but the value does not appear in the HQR list of valid CCNs
 - Would receive this message if the CCN is NULL
- Acceptable for Vendors to use a fixed CCN value of “800890” for test submissions when no hospital is associated with a submitted QRDA document

Incorrect Usage of Test CCN

ERROR: Provider is not allowed to use dummy CCN number (800890) for submissions

- Only vendors can use the dummy CCN

ERROR: Dummy CCN (800890) cannot be used for production submissions

- Dummy CCN can only be used for Test Data submissions

CCN Example for Test File Submission

```
<custodian>
  <assignedCustodian>
    <representedCustodianOrganization>
      <!--Submitters' CCN -->
      <id root="2.16.840.1.113883.4.336" extension="800890"/>
      ....
    </representedCustodianOrganization>
  </assignedCustodian>
</ custodian>
```

Reference: *“Hospital Quality Reporting (HQR) Quality Reporting Document Architecture Category I Release 2, Supplementary Implementation Guide, Version 2.2, 4/21/14, p. 9”*

Admit and Discharge Time – Encounter Performed

ERROR: Admission and Discharge times captured in the Encounter Performed section are not precise to the second

- Admission and Discharge date and time are represented as effective time “low value” and “high value,” respectively (example in next slide)
- Accurate duration is expressed by a combination of hour, minute, and second components. Depending on the time granularity (e.g., HH:MM:SS vs. HH:MM), the result of a timing comparison, as is done in most EH measure algorithms, may vary if no comparison unit is specified. It follows then that the measure outcome results could differ as well without this consistent time precision standard applied.

Admission and Discharge Time Code Example

```
<encounter ... >  
  ...  
  <!-- Encounter performed template -->  
  <templateId root="2.16.840.1.113883.10.20.24.3.23" />  
  ...  
    <statusCode code="completed" />  
    <!-- Length of Stay -->  
    <effectiveTime>  
      <!-- Attribute: admission datetime -->  
      <low value="20140329090000" />  
      <!-- Attribute: discharge datetime -->  
      <high value="20140329103000" />  
    </effectiveTime>  
  ...  
</encounter>
```

Encounter Performed Admission Date

ERROR: Encounter Performed Admission Date (low value) is after the Encounter Performed Discharge Date (high value)

- This data integrity check validates that a patient was not discharged before they were admitted for a given encounter performed.

Discharge Date Not Within Fiscal Year

ERROR: Discharge date in QRDA file is not within the Fiscal Year

- File will be rejected if any Encounter Performed Discharge Date (high value) in the QRDA:
 - Is not within the fiscal year,
 - Is in the future, or
 - Is null.

Submitter ID Not Identified

ERROR: Submitter (%) is not authorized to submit for this provider (%)

- CCN cannot be null
- Look-up performed and found that the Submitter (vendor) has not been authorized to submit data on behalf of the hospital (using the provider CCN in the QRDA)

eCQM ID Not Valid for Hospitals

ERROR: This ID SHALL equal the version specific identifier for eMeasure (i.e. QualityMeasureDocument /id) for Hospital Reporting System (CONF-HR:12813-1)

- System processes the eCQMs that are identified in the QRDA file by the submitter.
- System rejects the file if any measure ID is not recognized by the CMS receiving system.
- The version-specific identifier is used for the measure ID and is checked against the 29 eCQMs for HQR. The system only can validate what is submitted; It does not know what should/could have been reported.

Facility Location Arrival and Departure Times

Median of: Time difference of:

- AND: "Occurrence A of Encounter, Performed: Emergency Department Visit (facility location arrival datetime)"
- AND: "Occurrence A of Encounter, Performed: Emergency Department Visit (facility location departure datetime)"

```
<participant typeCode="LOC">
  <!-- Facility Location template -->
  <templateId root="2.16.840.1.113883.10.20.24.3.100"/>
  <time>
    <!-- Attribute: facility location arrival datetime -->
    <low value="20140329090000"/>
    <!-- Attribute: facility location departure datetime -->
    <high value="20140329103000"/>
  </time>
```

CMS-Required Supplemental Data Elements

- ERROR: This patient SHALL contain exactly one [1..1] raceCode (CONF-HR:5322-2)
- ERROR: This patient SHALL contain exactly one [1..1] administrativeGenderCode (CONF-HR:6394-1)
- ERROR: SHALL contain at least one [1..*] payer (CONF-HR:14430-1)
- ERROR: This patient SHALL contain exactly one [1..1] ethnicGroupCode (CONF-HR:5323-2)

CMS-Required Supplemental Data Elements

- For more information, see the CMS HQR QRDA Category Release 2 Supplementary Implementation Guide (IG), Version 2.2, dated 04/21/2014, pg. 7, Section 5.2, located on the CMS eCQM Library page.

Resources – CMS eCQM Library

- [The 2014 CMS QRDA Implementation Guide for Eligible Hospital Clinical Quality Measures — Hospital Quality Reporting \(HQR\) Quality Reporting Document Architecture Category I, Release 2, Supplementary Implementation Guide, Version 2.2 \(4/21/2014\)](#)
- [CMS Implementation Guide for Quality Reporting Document Architecture \(QRDA\) Category I and Category III Eligible Professional Programs and Hospital Quality Reporting \(HQR\) Version 1.0 07/29/14 – Effective 2015 - Available on the CMS Website – accessible on the JIRA Website for Comment and feedback](#)

http://www.cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/eCQM_Library.html

Resources – Contacts

General questions about submitting test and production files:

- QualityNet HelpDesk – Qnetsupport@hcqis.org
- 866-288-8912 7 a.m. – 7 p.m. CT Monday through Friday

The JIRA – ONC Project Tracking website is a resource for the following:

- Issues identified with eCQM logic
- Review FAQs
- Clarification on specifications
- Questions regarding CQM certification
- Questions and/or comments about the Combined QRDA Implementation Guide for 2015
- Questions regarding the EHR Incentive Program
<http://oncprojecttracking.org/>

Resources – Contacts

General program questions about electronically specified Clinical Quality Measures (eCQMs) and Hospital Inpatient Quality Reporting (IQR):

- <https://cms-ip.custhelp.com>
- 866-800-8765 or 844-472-4477
 - 8:00 a.m. (ET) to 5:00 p.m. (PT)

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