

# QRDA I

## A brief introduction to Quality Reporting Document Architecture

### What is QRDA?

QRDA creates a standard method to report **quality measure** results in a structured, consistent format and can be used to exchange electronic Clinical Quality Measure (**eCQM**) data between systems like EHRs and quality databases. (eCQM Resource Center: [ecqi.healthit.gov](http://ecqi.healthit.gov))



**QRDA uses XML**  
XML (extensible markup language) is an internet standard for data storage and exchange. It uses nested <tags> for organization.

### Can my EHR Actually export QRDA I Files?

**“A system user will be able to record and export individual patient-level eCQM data [formatted as QRDA I] at any time the user chooses, for one or multiple patients without needing to request support from a developer to operate.” - Office of the National Coordinator (ONC) 2015 EHR Certification Final Rule**

- EHRs certified under the ONCs 2015 criteria *should* support the capability to export QRDA I and III.
- Some EHR vendors require additional modules or setup of the QRDA functionality before being fully capable

**Category 1**

Each QRDA **Category I** report contains quality data for **one patient** for one or more CQMs

**Category 3**

Each QRDA **Category III** report contains calculated **summary data on a population** for one or more CQMs



- QRDA I contains data about:**
- Patient ID (**PHI!**)
  - Reporter(s)
  - Time Period
  - eCQM(s)
  - Patient Data

**CMS** Currently requires QRDA I files for Hospital Quality Reporting and QRDA III for Eligible Clinician/ Professional Quality Reporting. However, either category can be used to report on standardized CQMs.

# Why does OHA want QRDA I instead of III?

- QRDA I provides all the data of QRDA III and custom queries, but with additional information about individual patients.
- This allows for additional analysis of sub-populations covered by each CCO or clinic, as well as in Oregon as a whole.
- QRDA I files can be generated directly by certified electronic health records (EHR) and submitted directly to the Clinical Quality Metrics Registry (CQMR).
- This *should* streamline the submission process and improve data integrity.

QRDA I Human Readable Format

<b>Patient</b>	Adam Asplundh	<b>Sex</b>	Male
<b>Date of birth</b>	March 1, 2012	<b>Ethnicity</b>	Hispanic or Latino
<b>Race</b>	White	<b>Patient ID#</b>	12345 2.16.840.1.113883.4.572
<b>Contact info</b>	Primary Home: 17 Dawes Rd. Blue Bell, MA 02368, US Tel: (781)555-1212		
<b>Document Id</b>	f265971-0674-4656-8833-213f01333ca6		
<b>Document Created:</b>	December 31, 2012, 00:00 -0400		
<b>Author</b>	Good Health Report Generator		
<b>Contact info</b>	21 North Ave. Burlington, MA 02368, US Tel: (555)555-1000		
<b>Legal authenticator</b>	Henry Seven signed at December 31, 2012, 00:00 -0400		
<b>Contact info</b>	21 North Ave. Burlington, MA 02368, US Tel: (555)555-1000		
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<ul style="list-style-type: none"> <li>• Measure Section</li> <li>• Reporting Parameters</li> <li>• Patient Data</li> </ul>					
<b>Measure Section</b>					
eMeasure Title	Version neutral identifier	eMeasure Version Number	NQF eMeasure Number	Version specific identifier	
Healthy Term Newborn	#796fd9-f99d-415d-b0c2-5760a95a2d6d	2	0716	40280381-3d27-5499-013d-5c285ec1933	
<b>Reporting Parameters</b>					
• Reporting period: 01 Jan 2012 - 31 Dec 2012					
<b>Patient Data</b>					
Data Element - Value					
Encounter Performed: In-Patient (LOS = 1 day) (reason: birth)					
Patient Characteristic Payer: Payer - (Kaiser)					
Diagnosis, Active: Liveborn Born In Hospital					
Diagnosis, Active: Single Live Birth					
Diagnosis, Active: SINGLE LB IN-HOSP W/O CS					
Diagnosis, Active: 37+ comp wks gestation					

## OHSU AND OHA

OHSU is working closely with the OHA to:

- Identify gaps in support for quality reporting using QRDA I
- Provide technical assistance to help clinics and CCOs in the process.

## REFERENCES

1. *CMS QRDA Website*: <https://ecqi.healthit.gov/qrda-quality-reporting-document-architecture>
2. *QRDA I Basics Presentation*: [https://ecqi.healthit.gov/system/files/qrda\\_basics\\_08\\_12\\_2015\\_a\\_508.pdf](https://ecqi.healthit.gov/system/files/qrda_basics_08_12_2015_a_508.pdf)
3. *ONC 2015 EHR Certification Final Rule - Clinical Quality Measurement*: [https://www.healthit.gov/sites/default/files/2015editioncqm\\_10615.pdf](https://www.healthit.gov/sites/default/files/2015editioncqm_10615.pdf)
4. *Sample QRDA I Document with comments*: <https://raw.githubusercontent.com/esacinc/qrda/master/XML/HL7/QRDA%20Category%20I%20Complete%20Sample%20Document%20with%20comments.xml>

### Wait, what about QRDA II? (wiki.hl7.org)

- QRDA II was a planned intermediary between I and III
- QRDA II is a summary file with numerator, denominator, and exclusion criteria by patient.
- QRDA II never made it past the draft standard stage, so is not in widespread use