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**Section 1a: Clinical Document Architecture (CDA®)  
Section 2: Clinical and Administrative Domains  
Section 3: Implementation Guides**

**HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture - Category I (QRDA I) - US Realm**

**DESCRIPTION**

This two-volume implementation guide (IG) describes constraints on the Clinical Document Architecture Release 2 (CDA R2) header and body elements for Quality Reporting Document Architecture (QRDA) documents. The Institute of Medicine (IOM) definition of quality is: “The degree to which health services for individuals and populations increase the likelihood of desired health outcomes and are consistent with current professional knowledge.” For care quality to be evaluated, it must be standardized and communicated to the appropriate organizations.

QRDA is a document format that provides a standard structure with which to report quality measure data to organizations that will analyze and interpret the data. Quality measurement in health care is complex. Accurate, interpretable data efficiently gathered and communicated is key in correctly assessing that quality care is delivered.

A QRDA Category I report is an individual-patient-level quality report. Each report contains quality data for one patient for one or more quality measures, where the data elements in the report are defined by the particular measure(s) being reported on. A QRDA Category I report contains raw applicable patient data. When pooled and analyzed, each report contributes the quality data necessary to calculate population measure metrics. This two-volume implementation guide (IG) describes constraints on the Clinical Document Architecture Release 2 (CDA R2) header and body elements for Quality Reporting Document Architecture (QRDA) documents.

| **Publication Date** | **Version** | **Description** |
| --- | --- | --- |
| **December 2022 Current Version** | STU 5.3 with errata | Errata: QRDA I Release 1, STU Release 5.3, Supports QDM 5.6  Note: for the 2023 reporting period (CMS and The Joint Commission) |
| **November 2021** | [STU 5.3](https://jira.hl7.org/browse/CDA-20559?jql=project%3D%22CDA%20Specification%20Feedback%22%20and%20Specification%20%3D%20%22Quality%20Reporting%20Document%20Architecture%20Category%20I%20(CDA)%20%5BCDA-qrdaone%5D%22%20and%20%22Raised%20in%20Version%22%20%3D%201.5.3) | QRDA I Release 1, STU Release 5.3, Supports QDM 5.6 [CDAR2\_IG\_QRDA-I\_R1\_STU5.3\_2021NOV](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.3_2021NOV.zip) |
| **June 2020** | [STU 5.2 with errata](https://jira.hl7.org/issues/?jql=project%3D%22CDA%20Specification%20Feedback%22%20and%20Specification%20%3D%20%22Quality%20Reporting%20Document%20Architecture%20Category%20I%20(CDA)%20%5BCDA-qrdaone%5D%22) | Errata: QRDA I Release 1, STU Release 5.2 , Supports QDM 5.5 [CDAR2\_IG\_QRDA-I\_R1\_STU5.2\_2020FEB with 2020JUN errata](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.2_2020FEB_2020JUN_with_errata.zip) Note: for the 2021  and 2022 reporting period (CMS and The Joint Commission) |
| **February 2020** | [STU 5.2](https://jira.hl7.org/issues/?jql=project%3D%22CDA%20Specification%20Feedback%22%20and%20Specification%20%3D%20%22Quality%20Reporting%20Document%20Architecture%20Category%20I%20(CDA)%20%5BCDA-qrdaone%5D%22) | QRDA I Release 1, STU Release 5.2 , Supports QDM 5.5 [CDAR2\_IG\_QRDA-I\_R1\_STU5.2\_2020FEB](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.2_2020FEB.zip) |
| **October 2019** | [**STU 5.1 with errata**](https://jira.hl7.org/issues/?jql=project%3D%22CDA%20Specification%20Feedback%22%20and%20Specification%20%3D%20%22Quality%20Reporting%20Document%20Architecture%20Category%20I%20(CDA)%20%5BCDA-qrdaone%5D%22) | Errata: QRDA I Release 1, STU Release 5.1, Supports QDM v5.4 [CDAR2\_IG\_QRDA-I\_R1\_STU5.1\_2018DEC with 2019OCT errata](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.1_2018DEC_2019OCTerrata.zip) Note: for the 2020 reporting period (CMS and The Joint Commission) |
| **December 2018** | [**STU 5.1**](https://jira.hl7.org/issues/?jql=project%3D%22CDA%20Specification%20Feedback%22%20and%20Specification%20%3D%20%22Quality%20Reporting%20Document%20Architecture%20Category%20I%20(CDA)%20%5BCDA-qrdaone%5D%22) | QRDA I Release 1, STU Release 5.1, Supports QDM v5.4 [CDAR2\_IG\_QRDA-I\_R1\_STU5.1\_2018DEC](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.1_2018DEC.zip) |
| **December 2017** | [**STU 5**](https://jira.hl7.org/issues/?jql=project%3D%22CDA%20Specification%20Feedback%22%20and%20Specification%20%3D%20%22Quality%20Reporting%20Document%20Architecture%20Category%20I%20(CDA)%20%5BCDA-qrdaone%5D%22) | QRDA I Release 1, STU Release 5. Supports QDM v5.3 [CDAR2\_IG\_QRDA-I\_R1\_STU5\_2017DEC](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5_2017DEC.zip) Note: for the 2019 reporting period (CMS and The Joint Commission) |
| **January 2017** | [**STU 4**](https://jira.hl7.org/issues/?jql=project%3D%22CDA%20Specification%20Feedback%22%20and%20Specification%20%3D%20%22Quality%20Reporting%20Document%20Architecture%20Category%20I%20(CDA)%20%5BCDA-qrdaone%5D%22) | QRDA I Release 1, STU Release 4. Supports QDM v4.3 [CDAR2\_IG\_QRDA\_I\_R1\_S4\_2017JAN](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_S4_2017JAN.zip) Note: for the 2018 reporting period (CMS and The Joint Commission) |
| **April 2017** | STU 3.1 Errata | Errata to QRDA I Release 1, STU Release 3.1. Supports QDM v4.2 [CDAR2\_IG\_QRDA\_I\_R3.1\_2017APR](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R3.1_Errata_2017APR.zip)) |
| **April 2016** | STU 3.1 | QRDA I Release 1, STU Release 3.1. Supports QDM v4.2 [CDAR2\_IG\_QRDA\_I\_R3.1\_2017APR](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R3.1_Errata_2017APR.zip) |
| **June 2015** | DSTU 3 | QRDA I DSTU Release 3. Supports QDM v4.1.2 [CDAR2\_QRDA\_I\_R1\_DSTU3\_2015JUN](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_QRDA_I_R1_DSTU3_2015JUN.zip) |
| **September 2014** | DSTU 2 Errata | Errata to QRDA I DSTU Release 2. Supports QDM version released in 2012 and prior [CDAR2IG\_QRDAI\_DSTUR2\_errata\_2014JUN](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2IG_QRDAI_DSTUR2_Errata_2014JUN.zip) |
| **July 2012** | DSTU 2 | QRDA I DSTU Release 2. Substantive design change from the first version published in 2009. Supports QDM version released in 2012 and prior [CDAR2IG\_QRDAI\_DSTUR2\_errata\_2014JUN](https://www.hl7.org/documentcenter/public/standards/dstu/CDAR2IG_QRDAI_DSTUR2_Errata_2014JUN.zip) |
| **April 2009** | DSTU 1 | QRDA I DSTU Release 1 [CDAR2\_QRDA\_RI\_DSTU\_2009APR](https://www.hl7.org/documentcenter/public/standards/dstu/2008sep/CDAR2_QRDA_R1_DSTU_2009APR.zip) |

**ALTERNATIVE NAMES**

HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture - Category I (QRDA I) - US Realm may also go by the following names or acronyms:

*"HL7 Implementation Guide for CDA R2: Quality Reporting Document Architecture, Release 1", QRDA, Quality Report Document Architecture, Measure Report, QRDA Cat I STU5, QRDA I STU 5.3*

**TARGETS**

* Quality Reporting Agencies
* Payors
* Healthcare Institutions (hospitals, long term care, home care, mental health)
* Healthcare IT Vendors
* EHR/PHR Vendors
* Clinical Decision Support Systems Vendors
* Lab Vendors

**BENEFITS**

* Creates a standard method to report clinical quality measure results at individual patient level in a structured, consistent format
* Enables reporting programs to develop a standard mechanism to send and receive clinical quality measure results so they can be processed for evaluation, comparison, and validation programs
* Supports US Government regulatory reporting requirements for the Centers for Medicare and Medicaid Services (CMS)

**IMPLEMENTATIONS/CASE STUDIES**

* Centers for Medicare and Medicaid Services (CMS)
* Office of the National Coordinator (ONC) for Health Information Technology

**RELATED DOCUMENTS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture - Category I (QRDA I) - US Realm |  |  |
|  | HL7 CDA® R2 Implementation Guide: Supplemental QRDA Clinical Quality Data Sharing User Guide, Release 1 | [**(View Brief)**](http://www.hl7.org/implement/standards/product_brief.cfm?product_id=477) | [**(Download)**](http://www.hl7.org/documentcenter/private/standards/cda/CDAR2_IG_QRDA_SUPPLUSECASE_R1_INFORM_2018JUL.pdf) *(585 KB)* |

**STU DOCUMENTS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture I (QRDA I) Release 1, STU Release 5.2 - US Realm | [**(Submit Feedback on STU)**](https://jira.hl7.org/projects/CDA/issues) | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.2_2020FEB_2020JUN_with_errata.zip) *(8.40 MB)* |
|  | HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture I (QRDA I) Release 1, STU Release 5.3 - US Realm | [**(Submit Feedback on STU)**](https://jira.hl7.org/projects/CDA/issues) | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.3_2021NOV.zip) *(6.88 MB)* |
|  | HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture I (QRDA I) Release 1, STU Release 5.1 - US Realm | Expiration Dec 2021 | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5.1_2018DEC_2019OCTerrata.zip) *(6.70 MB)* |
|  | HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture I (QRDA I) Release 1, STU Release 5 - US Realm | Expiration Dec 2019 | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_STU5_2017DEC.zip) *(7.41 MB)* |
|  | HL7 CDA® R2 Implementation Guide: Quality Reporting Document Architecture (QRDA I), Release 1, STU Release 4 - US Realm | Expiration Jan 2019 | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R1_S4_2017JAN.zip) *(7.35 MB)* |
|  | HL7 CDA® R2 IG: Quality Reporting Document Architecture Category I (QRDA I); Release 1, DSTU Release 3 - US Realm | Expiration Jun 2017 | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_QRDA_I_R1_DSTU3_2015JUN.zip) *(9.50 MB)* |
|  | HL7 CDA® R2 IG: Quality Reporting Document Architecture Category I (QRDA I); Release 1, DSTU Release 3.1 - US Realm | Expiration Jun 2017 | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2_IG_QRDA_I_R3.1_Errata_2017APR.zip) *(6.38 MB)* |
|  | HL7 Implementation Guide for CDA® Release 2: Quality Reporting Document Architecture – Category I, DSTU Release 2 (US Realm) | Expiration Jul 2015 | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/CDAR2IG_QRDAI_DSTUR2_Errata_2014JUN.zip) *(3.29 MB)* |
|  | HL7 Implementation Guide for CDA® Release 2: Quality Reporting Document Architecture (QRDA), Release 1 | Expiration Apr 2012 | [**(Download)**](http://www.hl7.org/documentcenter/public/standards/dstu/2008sep/CDAR2_QRDA_R1_DSTU_2009APR.zip) *(1.71 MB)* |

**TOPICS**

* Clinical Quality
* Decision Support
* Patient Care
* Regulated Products

**BALLOT TYPE**

* STU

**STATUS DATE**

2021-12-08

**RESPONSIBLE WORK GROUPS**



[**Clinical Quality Information**](http://www.hl7.org/Special/committees/cqi/index.cfm)



[**Structured Documents**](http://www.hl7.org/Special/committees/structure/index.cfm)

**PRODUCT TYPE**

* Implementation Guide

**STAKEHOLDERS**

* Clinical Decision Support Systems Vendors
* EHR, PHR Vendors
* Health Care IT Vendors
* Healthcare Institutions
* Lab Vendors
* Payors
* Quality Reporting Agencies

**FAMILY**

* CDA

**CURRENT STATE**

* Active

**REALM**

* US Realm