

# Cypress™

## Cypress Tech Talk

May 28, 2024



**MITRE**

The Office of the National Coordinator for  
Health Information Technology



**CMS**  
CENTERS FOR MEDICARE & MEDICAID SERVICES

# Agenda

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- Software Updates
  - Cypress 7.3.0
- Recent Issue
  - Cypress Known Issues Dashboard
- Cypress Versions
- Open Discussion
- Contact Information

\*See the Glossary at the back for definitions of terms

# Software Updates

## Cypress 7.3 (2025 Annual Update)

- **Cypress Features**

- Supports the §170.315(c)(1), §170.315(c)(2), §170.315(c)(3), and §170.315(c)(4) certification criteria.
- For the 2024 and 2025 Reporting Period:
  - Supports validation with Health Level Seven International (HL7) Clinical Document Architecture (CDA®) R2 Implementation Guide: Quality Reporting Document Architecture (QRDA) I, Release 1, Standard for Trial Use (STU) Release 5.3 - US Realm.
  - Supports validation with HL7 CDA® Release 2 Implementation Guide: QRDA III, Release 1
- Supports the eCQMs for eReporting for the 2024 Reporting Period (eCQM value sets as of May 4, 2023).
- Supports the eCQMs for eReporting for the 2025 Reporting Period (eCQM value sets as of May 2, 2024).

- **Cypress Validation Utility + Calculation Check (CVU+) Features**

- Supports validation with the CMS Implementation Guides for QRDA Category I – Implementation Guide for 2024 and 2025.
- Supports validation with the CMS Implementation Guides for QRDA Category III – Implementation Guide for 2024 and preliminary support for 2025.

- **Cypress Bugs Addressed**

- Encounter Diagnosis element without a corresponding Diagnosis element can cause conflicting results. ([CYPRESS-2655](#))
- C1 Record Sample tests including attributes inappropriate for the criteria selected. ([CYPRESS-2650](#))
- Cypress test cases updated to removed retired codes. ([CYPRESS-2645](#))

# Updated eCQM Specifications and Implementation Resources for 2025 Performance/Reporting Period

- On May 2, CMS posted the electronic clinical quality measure (eCQM) specifications for the 2025 performance/reporting period
- The updated eCQM specifications are available on the [Electronic Clinical Quality Improvement](#) (eCQI) Resource Center for [EH/CAH](#), [OQR](#), and [Eligible Clinician](#) pages under the 2025 performance/reporting period.
- The 2025 performance/reporting period eCQM value sets are available through the National Library of Medicine's [Value Set Authority Center \(VSAC\)](#).
- Program Candidate (formerly “Pre-Rulemaking”) Measure Information
  - Measures that are developed, but not yet finalized for reporting in a CMS program. These measures will not be eligible for CMS quality reporting until they are proposed and finalized through notice-and-comment rulemaking for each applicable program.

# Selecting eCQMs to test

- When selecting eCQMs to test, they will share the same categorization as the eCQI Resource Center

Select Period 2025 Filter By Program Candidate eCQMs Apply Filters

Find older eCQM specifications in the [eCQM Standards and Tools Version](#) table.

**eCQM Resources**   **EC eCQMs**   **About**

**2025 Performance Period Eligible Clinician Program Candidate eCQMs**  
Total number of EC eCQMs: 1

**Search eCQMs**

Apply

Title	CMS eCQM ID	CBE ID	MIPS Quality ID
<a href="#">HIV Annual Retention in Care</a>	CMS1157v1	Not Applicable	340

C2 Test

C3 Test

C4 Test

Select the certification type Cypress should use to certify this product

**Measures Options**

Eligible Hospital eCQMs (Including Program Candidate/Pre-Rulemaking)

Eligible Clinician eCQMs (Including Program Candidate/Pre-Rulemaking)

All eCQMs (Excluding Retried)

Custom...

Indicate the clinical quality measures Cypress should use to certify this product. Testing will be performed on a measure-by-measure basis. Click 'Custom' to specify individual measures.

Select Custom Measures (0) Clear all

**Type to filter by measure**

**2025 Performance Period Eligible Clinician Program Candidate eCQMs (1 EC)**  CMS1157v1 HIV Annual Retention in Care (EC)

- 2025 Performance Period Eligible Clinician eCQMs (47 EC)
- 2025 Reporting Period Eligible Hospital / Critical Access Hospital Hybrid Measures (2 EH)
- 2025 Reporting Period Eligible Hospital / Critical Access Hospital eCQMs (15 EH)
- 2025 Reporting Period Outpatient Quality Reporting eCQMs (2 EH)
- 2026 Reporting Period Eligible Hospital / Critical Access Hospital Program Candidate eCQMs (2 EH)

## Recent Issue

# Cypress Known Issues Dashboard

- <https://oncprojecttracking.healthit.gov/support/secure/Dashboard.jspa?selectPageId=18000>
- The dashboard collects all labeled known issues in one place, sorted by Cypress version
- Easily navigate to the dashboard from the Cypress summary page

Filter Results: Cypress Known Bugs 7.0.2			
Summary	2023 Performance Period EC eCQMs	2023 Reporting Period EH/CAH eCQMs	Solution
CQM129v11 - PSA score of 0 not qualifying for denominator			
"undefined method `collect' for nil:NilClass" Error when creating CVU+ product for CMS69v10	CMS69v11		see possible workaround below
Error of CMS_0084 encountered while testing Hybrid Measure			The error "CMS_0084 - QRDA files for hybrid measure/CCDE submissions must contain a HICN or MBI" should be treated as a Warning and not an Error.

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# Cypress Versions

Version	Dates	Release Note
V7.2.0	September 14, 2023	Support for the 2023/2024 CMS Implementation Guides for QRDA Category I released on 8/31/23
V7.2.1	December 7, 2023	Updated measure categorization for 2024 EH/EC eQMs
V7.2.2	February 8, 2024	Removed references to certification editions
V7.3.0	June 20, 2024*	Support for the 2025 performance/reporting period eQMs

Bundle Version	Dates	Features
2022.1.1	October 20, 2022	Removed cross-walking codes impacting CMS334
2023.0.0	June 22, 2023	Measures and patients released in 2022 for the 2023 reporting year.
2024.0.0	June 20, 2024*	Support for the 2025 performance/reporting period eQMs

# OPEN DISCUSSION



# Next Cypress Tech Talk

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- Tuesday, June 25, 2024 at 1pm ET
- To join online, visit: <https://mitre.zoomgov.com/j/1605680758>
- To join via phone, dial: 1-551-285-1373
- Meeting Number: 160 568 0758
- Meeting link, as well as a calendar event file, available at:
  - <https://www.healthit.gov/cypress/techtalks.html>

# Notes

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- **Completed Webinars will be posted on the Cypress website on the Tech Talks tab**
  - <https://www.healthit.gov/cypress/techtalks.html>
- **Send questions and feedback to the Cypress Talk List at**
  - [project-cypress-talk@googlegroups.com](mailto:project-cypress-talk@googlegroups.com)
- **Report bugs and issues to the Cypress JIRA at**
  - <https://oncprojecttracking.healthit.gov/support/browse/CYPRESS>

# Glossary

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- **API – Application Programming Interface**
- **CCDE – Core Clinical Data Elements**
- **CQL – Clinical Quality Language**
- **CVU – Cypress Validation Utility**
- **CVU+ – Cypress Validation Utility Plus Calculation Check**
- **EC – Eligible Clinician**
- **eCQM – Electronic Clinical Quality Measure**
- **EH – Eligible Hospital**
- **EP – Eligible Professional**
- **HL7 – Health Level Seven International**
- **IG – Implementation Guide**
- **QPP – Quality Payment Program**
- **QRDA – Quality Reporting Document Architecture**
- **UMLS – Unified Medical Language System**