

Cypress™

Cypress Tech Talk

May 5, 2020



MITRE

The Office of the National Coordinator for
Health Information Technology



CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES

Agenda

- Software Updates
 - Cypress v5.4.0 Cures Patch Release
 - Cypress v6 Releases
- Recent Issue
 - Cypress Known Issues Dashboard
- Cypress Versions
- Open Discussion
- Contact Information

Software Updates

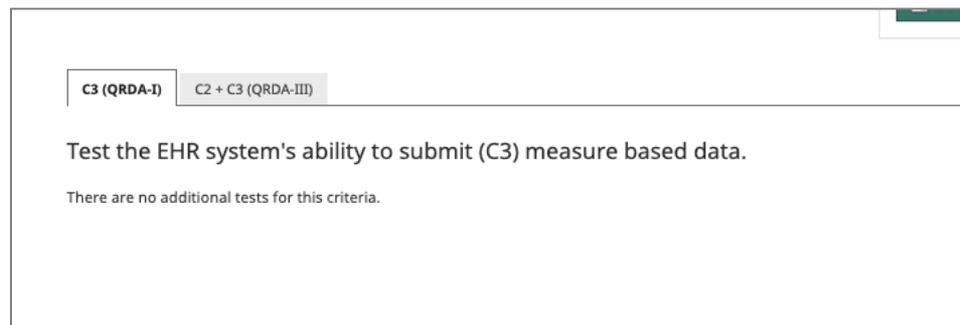
Cypress v5.4.0 Release

- **A Cypress v5.4.0 patch release is planned for May 14, 2020**
- **Cures Features**
 - Plan to live demo at the next Cypress Tech Talk
 - Updates for the 21st Century Cures Interoperability Rule
 - CMS Implementation Guide will be used to validate QRDA structure, including v1.2 QRDA-I updates from 3/13/2020
 - QRDA-I C3 validation only for EH measures; QRDA-III C3 validation only for EP/EC
- **De-duplication Features**
 - De-duplication will be updated to add more realism
 - Addresses will be randomized but the same address will be used for duplicate patients
 - Birthdate changes in duplicate patients will be rare and limited to changes in the day of the month
- **CVU+ Tests**
 - Provide HL7- only tests for full coverage of previous CVU features

Software Updates

Cures Features

- **ONC Interoperability Rule released on March 9, 2020 to support the 21st Century Cures Act**
- **Cypress updates for C3 certification & schematron validation**
 - CMS Implementation Guide will be used for validation and show errors for CMS IG validation issues
 - Uses latest CMS schematron, updated on March 13, 2020
 - QRDA-I C3 validation only required for EH measures
 - QRDA-III C3 validation only required for EP/EC measures
 - Example, EP/EC measure with C3 certification will have no QRDA-I tests:



Software Updates

De-duplication Features

■ Address Changes

- Previously, Cypress created all patients with the same address
- Cypress update will create patients with different addresses, where addresses will not be changed when duplicating patients

■ Birthdate Changes

- Previously, birthdate was often changed in duplicate patients to a random date in a range from the original patient birthdate
- Updates make birthdate changes less common
- Birthdate changes will only update the *day* while keeping the month and year the same

```

▼<recordTarget>
  ▼<patientRole>
    <id extension="5e9bfd19dfe4bd03bdf0fecf" root="1.3.6.1.4.1.115"/>
    ▼<addr use="HP">
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      <city>Bedford</city>
      <state>MA</state>
      <postalCode>01730</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-781-271-3000"/>
  </patient>

```



```

▼<recordTarget>
  ▼<patientRole>
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      <state>NY</state>
      <postalCode>11758</postalCode>
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    </addr>
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```

Software Updates

CVU+ HL7 Tests

- **HL7-only tests provided as CVU+ functionality**
 - Previously, the Cypress Validation Utility provided simple validation with the HL7 schematron
 - Users have expressed continued interest in HL7 validation
 - HL7 Cat I and HL7 Cat III tests will both be provided as options in CVU+

Test Name	Quick Upload	Last Updated
MIPSGROUP Test	▶ start upload	🕒 6 minutes ago
MIPSENDIV Test	▶ start upload	🕒 6 minutes ago
MIPSVIRTUALGROUP Test	▶ start upload	🕒 6 minutes ago
CPCPLUS Test	▶ start upload	🕒 6 minutes ago
HL7 Cat I Test	▶ retry upload	🕒 4 minutes ago
HL7 Cat III Test	▶ start upload	🕒 6 minutes ago

Software Updates

Upcoming Cypress v6 Releases

- **Cypress v6 Alpha release anticipated May 21, 2020**
 - Initial support for QRDA category 1 R5.2
 - Initial support for 2021 reporting/performance period eCQMs
- **Final Cypress v6 release anticipated late July**
 - Full support for R5.2 and 2021 measures

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

Cypress Known Issues
⊕ ↗ ⋮

Cypress Known Issues

Below are tables that list known issues for the most recent Cypress Versions

Release Notes for Cypress Versions can be found [here](#)

Filter Results: Cypress Known Bugs 5.2.0
⊕ ↗ ⋮

Summary	2020 Performance Period EP/EC eCQMs	2020 Reporting Period EH eCQMs	Solution
CMS 145 Denominator Issue			⋮
QRDA III giving C3 Execution: An internal error occurred			
QRDA-I Validation Error			

1-3 of 3

Cypress Versions

Version	Dates	Measures Supported
V4.0.4*	October 3, 2019	Latest version supporting eCQMs for the 2019 Reporting/Performance Period and CQL. Fixes QRDA and other 4.0.3 bugs.
V5.3.0	March 12, 2020	Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL. Contains feature improvements and fixes for bugs found in Cypress v5.2.0
V5.4.0	<i>Anticipated May 14, 2020</i>	Support for certification changes due to regulation updates in the Cures Interoperability Rule. Adds more de-duplication realism.
V6 Alpha	<i>Anticipated May 21, 2020</i>	Initial support for QRDA category 1 R5.2 and 2021 reporting/performance period eCQMs

Bundle Version	Dates	Features
2018.1.0*	October 11, 2018	Cypress v4 only CQL-based measures released in 2018 for the 2019 reporting year eCQM Value Sets as of 9/17/2018.
2019.1.1	December 19, 2019	Cypress v5 only CQL-based measures released in 2019 for the 2020 reporting year. Removed retired measures as announced on November 19, 2019.

*Cypress v4 and the 2018 bundle are moving into retirement due to the end of the 2019 reporting period.

Reporting end dates: April 30 for EP (source: [QPP](#)). May 1st for EH (source: [QualityNet](#))

OPEN DISCUSSION

Next Cypress Tech Talk

- Tuesday, May 19, 2020 at 1pm ET
- To join online, visit: <https://global.gotomeeting.com/join/529898157>
- To join via phone, dial: 1-646-749-3122
- Meeting Number: 529 898 157
- Meeting link, as well as a calendar event file, available at:
 - <https://www.healthit.gov/cypress/techtalks.html>

Notes

- **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
- **Report bugs and issues to the Cypress JIRA at**
 - <https://oncprojecttracking.healthit.gov/support/browse/CYPRESS>

Glossary

- **IG – Implementation Guide**
- **QRDA – Quality Reporting Document Architecture**
- **CVU+ – Cypress Validation Utility Plus Calculation Check**