Cypress™

Cypress Tech Talk

April 21, 2020

MITRE

The Office of the National Coordinator for
Health Information Technology

CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES

Agenda

- Software Updates
  - Cypress v5.3.0 Patch Release
  - 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 v5.3.0 Release

- **A Cypress v5.3.0 patch release was issued on March 12, 2020**
- **Cypress Features**
  - Unit of measure checks for Eligible Hospital (EH) electronic clinical quality measures (eCQM)
  - Increased contrast for Expected Results
  - C1 Record Sample tests will remain Incomplete until first Quality Reporting Document Architecture (QRDA) upload
  - Cypress Validation Utility Plus Calculation Check (CVU+) will evaluate QRDA Category I files with unknown demographic information
  - All users can download reports in Demo mode
  - Installation script for simplified upgrade
- **Cypress Bugs Addressed**
  - QRDA Category I R5.1 schematron updated (CYPRESS-1959)
  - Clinical Quality Language (CQL) Calculation Engine updated to fix CVU+ calculations of Open Boundaries (CYPRESS-1924)
  - Submission errors were not being displayed for C1/C3 tests (CYPRESS-1968)
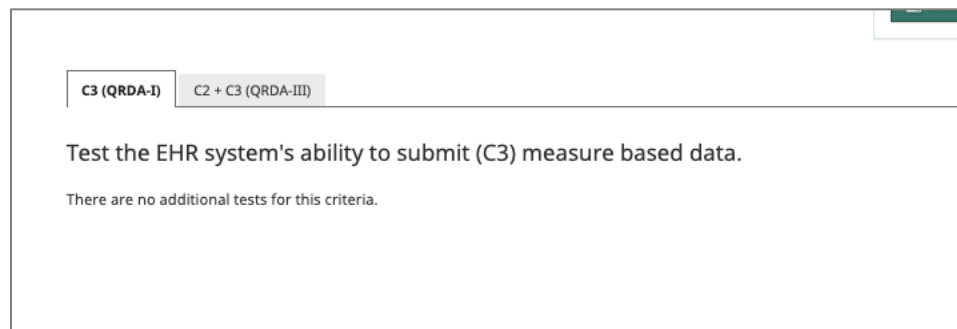
Software Updates
Cypress v5.4.0 Release

- **A Cypress v5.4.0 patch release was issued on May 14, 2020**

- **Cures Features**
  - 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 required for EH measures
  - QRDA-III C3 validation only required for EP/EC measures

- **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

Software Updates
Cures Features

- **ONC Interoperability Rule released on March 9 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

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Software Updates
Upcoming Cypress v6 Releases

- **Cypress v6 Alpha release anticipated mid-May 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://oncprojectracking.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 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	*Anticipated May 14, 2020*	Support for certification changes due to regulation updates in the Cures Interoperability Rule. Adds more de-duplication realism.

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.
2019.1.0	November 7, 2019	**Cypress v5 only** Precalculated results Updates to Z6 VTE, Z13 N VTE, B GP Peds and 1 BH Infant
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.

OPEN DISCUSSION

Next Cypress Tech Talk

- Tuesday, May 5, 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://oncprojectracking.healthit.gov/support/browse/CYPRESS