Cypress™

Cypress Tech Talk

August 11, 2020

MITRE

The Office of the National Coordinator for Health Information Technology

CMS CENTERS FOR MEDICARE & MEDICAID SERVICES

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Agenda

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    - Community Suggested Features and Bug Fixes
  - Bundle Updates
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- Cypress Versions
- Open Discussion
- Contact Information

*See the Glossary at the back for definitions of terms

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Software Updates

Cypress v6 Release

- **Final Cypress v6 release July 23, 2020**
  - HL7 QRDA Category 1 R5.2
  - 2021 CMS QRDA I Implementation Guide for Hospital Quality Reporting
  - 2021 CMS QRDA III Implementation Guide for Eligible Clinicians and Eligible Professionals
  - Support for 2021 reporting/performance period eCQMs
    - 9 EH/CAH eCQMs
    - 47 EP/EC eCQMs
    - 1 Hybrid eCQM (CMS529)
  - Continued and improved support for CVU+ testing

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Software Updates

Community Suggested Features and Bug Fixes

- Calculation and import updates:
  - CYPRESS-1687: Bundle updates to avoid calculation discrepancies in contiguous US time zones
  - CYPRESS-2058: Unit of Measure validation for nullFlavor result
  - CYPRESS-2015: Warnings for improper QRDA-I file elements, especially time interval discrepancies
- User experience improvements:
  - CYPRESS-1374: Include all warnings in report as opposed to just errors
  - CYPRESS-1985: Fixed master patient filter so that it does not timeout
  - CYPRESS-2040: Update test result dropdown to fix inaccurate times
- HTML improvements:
  - CYPRESS-1958: Export all missing attributes in the HTML patient representation
  - CYPRESS-2034: Match patient IDs between QRDA and HTML patient files
- CVU+ and/or vendor patient updates:
  - CYPRESS-1961 and CYPRESS-2037 : Sorting quantities fixed to sort by value rather than sorting as a string
  - CYPRESS-1980: Select All option for vendor patient page
  - CYPRESS-2042: Clarify instructions for HL7 CVU+ tests
  - CYPRESS-2051: Fix calculation issue for performance rates with denominator 0
- Features also included in latest v5:
  - ATL Request: Random address used for realistic test patient deduplication
  - Google Group Request: Record Sample tests show 'incomplete' instead of ‘failing’ status (also included in latest v5)
  - CYPRESS-1907: Improved color contrast (also included in latest v5)

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Software Updates

Bundle Updates

- **Bundle update to 2020.0.3**
  - Bundle deprecation can be used to replace originally published 2020.0.1 bundle with 2020.0.3
  - New bundle is available to download from the demo server

- **Unit of Measure update**
  - Measure CMS9v8 previously expected unit “weeks”
  - Now CMS9v9 uses “wk” – the appropriate UCUM unit
  - Updates in units for 11 patients

```
<value xsi:type="PQ" value="38.0" unit="weeks"/>
```

→

```
<value xsi:type="PQ" value="38.0" unit="wk"/>
```

- **Timing issues update**
  - Patients: 3 N 1 STROKE, 3 N 2 STROKE
  - High time before low time, changed to single effective time

```
<effectiveTime><low value='20190421140000'/><high value='20190420140000'/></effectiveTime>
```

↘

```
<effectiveTime value='20190421140000'/>
```

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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 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			

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Cypress Versions

Version	Dates	Measures Supported
V5.4.1	**June 4, 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. Support for 2015 Certification Edition OR 2015 Certification Cures Updated Edition.
V6.0.0	**July 23, 2020**	Support for QRDA Category 1 R5.2, Updated CMS IGs, and 2021 reporting/performance period eCQMs.

Bundle Version	Dates	Features
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.
2020.0.1	**July 23, 2020**	**Cypress v6 only** CQL-based measures released in 2020 for the 2021 reporting year.
2020.0.3	**August 6, 2020**	**Cypress v6 only** CQL-based measures released in 2020 for the 2021 reporting year. Updated patients to use correct ‘wk’ unit and updated two patient effective times.

*Cypress v4 and the 2018 bundle have been retired due to the end of the 2019 reporting period.

Reporting end dates: April 30, 2020 for EP (source: QPP). May 1, 2020 for EH (source: QualityNet).

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OPEN DISCUSSION

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Next Cypress Tech Talk

- Tuesday, August 25, 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

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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

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Glossary

- 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

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