Cypress™

Cypress Tech Talk

May 5, 2020
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:

<table>
<thead>
<tr>
<th>C3 (QRDA-I)</th>
<th>C2 + C3 (QRDA-III)</th>
</tr>
</thead>
</table>

Test the EHR system's ability to submit (C3) measure based data.
There are no additional tests for this criteria.
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
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+

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Quick Upload</th>
<th>Last Updated</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIPS_GROUP Test</td>
<td>start upload</td>
<td>36 minutes ago</td>
</tr>
<tr>
<td>MIPS_INDIV Test</td>
<td>start upload</td>
<td>36 minutes ago</td>
</tr>
<tr>
<td>MIPS_VIRTUALGROUP Test</td>
<td>start upload</td>
<td>36 minutes ago</td>
</tr>
<tr>
<td>CPCPLUS Test</td>
<td>start upload</td>
<td>36 minutes ago</td>
</tr>
<tr>
<td>HL7 Cat I Test</td>
<td>retry upload</td>
<td>4 minutes ago</td>
</tr>
<tr>
<td>HL7 Cat III Test</td>
<td>start upload</td>
<td>6 minutes ago</td>
</tr>
</tbody>
</table>
**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 Versions

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

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

*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](#)).
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](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](https://oncprojecttracking.healthit.gov/support/browse/CYPRESS)
Glossary

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