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:

<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
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://oncprojecttracking.healthit.gov/support/secure/Dashboard.jspa?selectPageId=18000](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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bundle Version</th>
<th>Dates</th>
<th>Features</th>
</tr>
</thead>
</table>
| 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**  
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://oncprojecttracking.healthit.gov/support/browse/CYPRESS