Cypress™

Cypress Tech Talk

July 30, 2019
Agenda

- Software Updates
  - Cypress Validation Utility + Calculation Check (CVU+)
  - Cypress 5 Releases
  - CVU+ Demo
  - Recent Updates
- Recent Issues
- Cypress Versions
- Open Discussion
- Contact Information
Software Update

Cypress Validation Utility + Calculation Check (CVU+)

- Cypress v5 will include a new set of features called Cypress Validation Utility + Calculation Check (CVU+)
- CVU+ seeks to address the vendor concern that the ‘certification process does not mirror a production scenario for electronic clinical quality measure (eCQM) reporting’
  - Certification uses a constrained set of test patients
  - Certification does not enforce reporting program requirements (i.e., CMS Implementation Guide)
- CVU+ will supplement the existing certification program
  - Use of the CVU+ is not currently a requirement of the program
CVU+ Features
Perform Tests using Developer-Generated test patients

- CVU+ supports developer-generated test patients, allowing vendors to supplement Cypress test patients with their own test patients to increase eCQM logic/code coverage.
  - Pre-certification tests will no longer be constrained to using Cypress generated tests patients
CVU+ Features

Verify QRDA Export and eCQM Calculations

- CVU+ performs and displays eCQM calculation for uploaded developer-generated test patients.

- eCQM calculations are displayed for all eCQMs where developer-generated test patients meet the IPP requirements.
CVU+ Features
Analyze rigor of Developer-Generated test patients

- CVU+ performs analysis on uploaded developer-generated test patients.

- Statistics include:
  - Measure Coverage
  - Logic Coverage
  - Valuesets used
  - Code Systems used
  - Data Element Types used
Software Update
Cypress 5 Releases

- Cypress v5 Alpha
  - Released May 23, 2019
  - Includes CVU+ features and Annual Update Measures posted May 13, 2019
    - Posted on resource center: https://ecqi.healthit.gov/
    - Available as a virtual machine (VM) download

- Cypress v5 Beta
  - June 20, 2019
  - Available as a VM download

- Cypress v5 Official Release
  - July 25, 2019
  - Available as a VM, AMI, and on the demo server: cypress.healthit.gov
Software Update
Cypress v5 Release

- https://www.healthit.gov/cypress/release.html#5.0.0
Software Update
CVU Standalone

- CVU no longer available as a standalone application
  - 2020 reporting period measures and moving forward
  - Functionality subsumed by CVU+

- CVU+
  - Can utilize validation logic through creating a CVU+ product
  - Tests for CVU+ products include CMS Program Tests which will run program-specific validations

- Validation for 2019 reporting period
  - CVU is still available as a standalone application for 2019 reporting period
  - CVU is available with Cypress 4.0.3 as a VM, AMI, or through Chef installation
## Cypress Versions

<table>
<thead>
<tr>
<th>Version</th>
<th>Dates</th>
<th>Measures Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>V4.0.3</td>
<td>May 2, 2019</td>
<td>Latest version supporting eCQMs for the 2019 Reporting/Performance Period and CQL. Fixes record sample and other 4.0.2 bugs.</td>
</tr>
<tr>
<td>V5.0.0</td>
<td>July 25, 2019</td>
<td>Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL.</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. |
| 2019.0.1       | July 25, 2019 | Cypress v5 only  
CQL-based measures released in 2019 for the 2020 reporting year  
eCQM Value Sets as of 5/10/2019. |
OPEN DISCUSSION
Next Cypress Tech Talk

- Tuesday, August 13, 2019 at 1pm ET
- To join online, visit: https://meetings.cms.gov/orion/joinmeeting.do?MTID=98271705d4bc4ad148cf1e39d5c7408
- To join via phone, dial: 1-877-267-1577
- Meeting Number: 998 084 717
- 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