Cypress™

Cypress Tech Talk

November 19, 2019

Agenda

- Software Updates
  - QRDA Cat I R5.1 errata publication
  - Cypress 5.1.0 Patch Release
    - QRDA Category I R5.1 errata updates
    - 2019.1.0 Bundle
- Recent Issues
  - 5.1.0 Upgrade
  - Known Issues Dashboard
  - CYPRESS-1868
- Cypress Versions
- Open Discussion
- Contact Information

Software Updates
QRDA Cat I R5.1 errata

- **On October 11, 2019 HL7 published an errata update to QRDA Category I R5.1**

  - It is available on the QRDA Category I product page http://www.hl7.org/implement/standards/product_brief.cfm?product_id=35.

  - Key updates in QRDA Category I – Introductory Material

    - 6.5.1 – Guidance for Ensuring Data Uniqueness

    - 6.5.2 - Guidance for Reason Template Placement When Specifying "Not Done" with a Reason

Software Updates
Cypress 5.1.0

- **A 5.1.0 patch release for Cypress is planned for November 7, 2019**

- **The Cypress 5.1.0 patch will:**
  - Address the changes made to the QRDA Category I R5.1 errata
  - Address open 'Known Issues'
    - "Related To" entries split across files (CYPRESS-1716)
    - 'View Patients' page only shows results for a single measure/population set (CYPRESS-1799)
    - Calculation Error for CMS104v8 with patient Z4 N Stroke (CYPRESS-1794)
    - Loading bundle crashes Cypress (CYPRESS-1751)
      - With 2019.1.0 bundle

Recent Issues
Cypress 5.1.0 Upgrade

- **Users performing a 5.1.0 upgrade of an existing Cypress instance reported still seeing the Calculation Error for CMS104v8.**
- **This was caused by the upgrade instructions only updating the Cypress Application and not the backend CQM Execution Service.**
- **If you have already performed the 5.1.0 upgrade please make sure to follow these steps to complete the process.**
  - Any tests for CMS104 will need to be regenerated

Connect to your machine running cypress and run the following command:

```
sudo apt-get update
sudo apt-get install cypress
sudo apt-get install cqm-execution-service
sudo systemctl restart cypress
sudo systemctl restart cqm-execution-service
```

- **https://github.com/projectcypress/cypress/wiki/Cypress-5.x-Upgrade-Instructions**
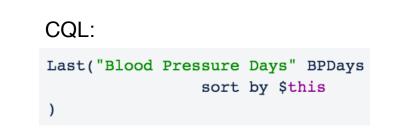
Recent Issue
Cypress Known Issues Dashboard

- 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

Recent Issue
Cypress 5.1.0 Known Issue

- CYPRESS-1868
- CMS165v8
  - https://ecqi.healthit.gov/ecqm/ep/2020/cms165v8
  - CQL includes "$" sort of Blood Pressure exam
- Cypress calculates differently based on the order of entries
  - Issue in the calculation engine
  - Engine does not sort entries properly in order to find the most recent
- Current workaround is to re-order entries

CQL:

```
Last("Blood Pressure Days" BPDays
                sort by $this
)
```

Affects measured blood pressure entries:


```
<entry>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.24.3.59" extension="2017-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.13" extension="2014-06-09"/>
    <id root="c48d899d-7201-4d1a-94ae-e8a333f8d641"
      extension="CMS165v8_5dcd6fe7636239035cc7bd98/5dcd6fda636239035cc7b2e1"/>
    <code code="8462-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
      displayName="Diastolic blood pressure"/>
    <statusCode code="completed"/>
    <effectiveTime>
      <low value="20181221170500"/>
      <high value="20181221170500"/>
    </effectiveTime>
    <value xsi:type="PQ" value="60.00" unit="mm[Hg]"/>
    <author>
      <templateId root="2.16.840.1.113883.10.20.24.3.155" extension="2017-08-01"/>
      <time value="20181221170500"/>
      <assignedAuthor>
        <id nullFlavor="NA"/>
      </assignedAuthor>
    </author>
  </observation>
</entry>
```

Cypress Versions

Version	Dates	Measures Supported
V4.0.3	May 2, 2019	
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.
V5.0.1	August 29, 2019	Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL. Contains performance improvements and fixes for bugs found in Cypress v5.0.0
V5.1.0	November 7, 2019	Support for QRDA Category I R5.1 errata

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.
2019.0.1	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.
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

Announcements

- **HL7/CMS FHIR Connectathon**
  - January 7-8, 2020 @ CMS Headquarters in Baltimore, Maryland
  - See the FHIR standard at work as Implementation Guides that impact US healthcare payers come to life
  - Use cases such as Payer to Provider Data Exchange, Prior Authorization Support, Payer Alerts, and eCQM Reporting

CMS Connectathon

A US government Use Case Only Event

January 7-8, 2020 • Baltimore, MD

  - Register at: https://www.hl7.org/events/cms/2020/01/index.cfm

OPEN DISCUSSION

Next Cypress Tech Talk

- Tuesday, December 3, 2019 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