Cypress™

Cypress Tech Talk

December 17, 2019

Agenda

- Software Updates
  - Cypress 5.2.0 Patch Release
    - 2020 CMS QRDA I Implementation Guide Updates
    - Editable C1 Record Sample Test Attributes
- Recent Issues
  - CYPRESS-1868
  - Known Issues Dashboard
- Cypress Versions
- Announcements
- Open Discussion
- Contact Information

Software Updates
Cypress 5.2.0 Release

- **A 5.2.0 patch release for Cypress is planned for December 19, 2019**

- **Cypress Features**
  - Addresses changes made in the December 2019 update to the 2020 CMS QRDA I Implementation Guide.
  - Ability to edit attributes used for C1 Record Sample tests.
  - Bundle Update 2019.1.1: Removed four retired measures
    - Removed CMS52v8, CMS82v7, CMS132v8, CMS160v8

- **Cypress Bugs Addressed**
  - Address calculation discrepancies for CMS165v8 due to ordering of Physical Exams (CYPRESS-1868)

Software Updates
2020 CMS QRDA I Implementation Guide Updates

- **https://ecqi.healthit.gov/sites/default/files/QRDA-HQR-2020-CMS-IG-v1.1-508.pdf**

- **Negated entries MUST negate a valueset or direct reference code**

- **Previously, Cypress allowed single code negation. This update enforces a warning or error when a valueset should be used.**
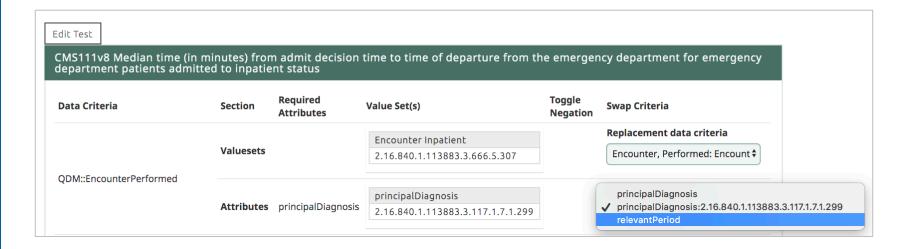
5.2.3.1 "Not Done" with a Reason

To report a QDM data element that is not done (when `negationInd`="true") with a reason, such as "Medication Not Administered" with negation rationale attribute indicating it is due to patient reason, the following steps must be followed:

1. Must set the attribute `negataionInd`="true"

2. If QDM in eCQM specification is defined using a value set, for example, ["Medication, Not Ordered": "Warfarin"]:

   - Must provide `code/[@nullFlavor="NA"]`
   - Must provide the value set OID instead of a specific code from the value set. Set the code attribute `code/sdtc:valueset="[VSAC value set OID]"`
       - Use `code/originalText` for the text description of the concept in the pattern "None of value set: [value set name]"

Software Updates
Editable C1 Record Sample Test Attributes

- **Select "Edit Test" for a C1 Record Sample Test**

- **Cypress will allow the user to swap the attribute (in addition to the criteria swap option)**

- **Attributes are shown with valueset oid if the attribute has an associated valueset**

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>
```
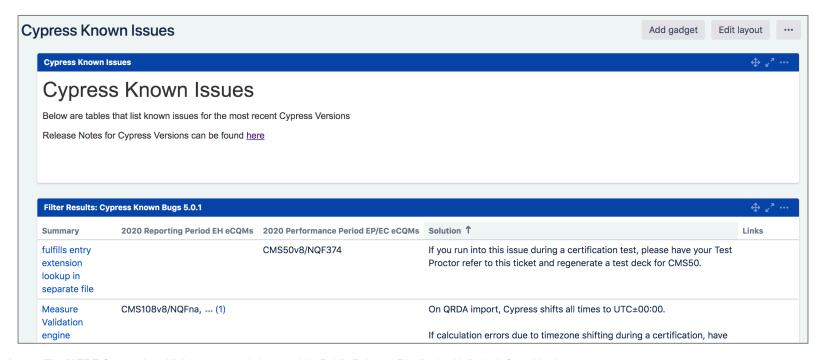
Recent Issue
Cypress Known Issues Dashboard

- 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 Versions

Version	Dates	Measures Supported
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.
V5.1.0	November 7, 2019	Support for QRDA Category I R5.1 errata
V5.2.0	**Expected December 19, 2019**	Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL. Contains feature improvements and fixes for bugs found in Cypress v5.1.0

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.
2019.1.0	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	**Expected 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.

OPEN DISCUSSION

Next Cypress Tech Talk

- Tuesday, January 14, 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