Cypress™

Cypress Tech Talk

February 11, 2020
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
- Open Discussion
- Contact Information
Software Updates

Cypress 5.2.0 Release

- A 5.2.0 patch release for Cypress was released on 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)
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 negationInd="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/sdct: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
  - 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:

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

Affects measured blood pressure entries:
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>V5.1.0</td>
<td>November 7, 2019</td>
<td>Support for QRDA Category I R5.1 errata</td>
</tr>
<tr>
<td>V5.2.0</td>
<td>December 19, 2019</td>
<td>Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL. Contains feature improvements and fixes for bugs found in Cypress v5.1.0</td>
</tr>
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</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>2019.1.0</td>
<td>November 7, 2019</td>
<td>Cypress v5 only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Precalculated results</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updates to Z6 VTE, Z13 N VTE, B GP Peds and 1 BH Infant</td>
</tr>
<tr>
<td>2019.1.1</td>
<td>December 19, 2019</td>
<td>Cypress v5 only</td>
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</tbody>
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OPEN DISCUSSION
Next Cypress Tech Talk

- Wednesday, February 25, 2020 at 1pm ET
- To join online, visit: [https://global.gotomeeting.com/join/529898157](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](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