Agenda

- Software Updates
  - Overview bugs addressed in 4.0.2 patch release
- Recent Issues
  - CYPRESS-1611: Reason template extension
  - CYPRESS-1612: Diagnostic Study, Performed reason export
  - CYPRESS-1619: Immunization, Administered authorDatetime in Record Sample
- Cypress Versions
- Open Discussion
- Contact Information
Software Updates

Bugs addressed in 4.0.2 patch release

- An “Assessment, Performed” Result should not be reported in a nested Result Template. ([CYPRESS-1498](#), [CYPRESS-1544](#))
- ‘Randomized’ patient birthdate can cause calculation errors. ([CYPRESS-1503](#))
- Confusing display of Direct Reference Codes in “C4 Filter Tests.” ([CYPRESS-1533](#))
- Use updated ‘Related To’ template instead of ‘Fulfills’ for C1 Record Sample test. ([CYPRESS-1537](#))
- Strictly enforce the existence of a code-negation pair within the same entry for C1 Record Sample verification. ([CYPRESS-1538](#))
- Do not export patients using the ‘Other’ code 2131-1. ([CYPRESS-1539](#))
- An id not required in the Encounter Performed Act template in QRDA Category I R5. ([CYPRESS-1541](#))
Software Updates

Bugs addressed in 4.0.2 patch release

Cypress v4.0.2

The Cypress 4.0.2 patch is scheduled for released on 1/31/18. Changelog for the release is below.

Cypress Bugs Addressed

- An "Assessment, Performed" Result should not be reported in a nested Result Template. (CYPRESS-1498, CYPRESS-1544)
- "Randomized" patient birthdate can cause calculation errors. (CYPRESS-1503)
- Confusing display of Direct Reference Codes in "C4 Filter Tests." (CYPRESS-1533)
- Use updated 'Related To' template instead of 'Fulfills' for C1 Record Sample test. (CYPRESS-1537)
- Strictly enforce the existence of a code-notation pair within the same entry for C1 Record Sample verification. (CYPRESS-1538)
- Do not export patients using the 'Other' code 2131-1. (CYPRESS-1539)
- An id not required in the Encounter Performed Act template in QRDA Category I R1. (CYPRESS-1541)

C4 Filter does not display correct code or value set for Problems

- **Type:** Bug/Issue
- **Priority:** Moderate
- **Resolution:** Unresolved

**Description:** We are going through certification in just a few hours and are seeing the following filter criteria for C4:

Problems SNOMEDCT codes in Congenital absence of cervix (disorder) (code: drc-2e00e0184782BF298929085dc74ae47c73f590a1ce3a00e8b23f1e691e47e)

My assumption is that this is happening because the code is not contained in a value set but rather as a cql "code" element as follows:

code "Congenital absence of cervix (disorder)" : '37687000' from "SNOMEDCT:2017-09"
Recent Issue
CYPRESS-1611: Reason template extension

- **Precondition:**
  - A Cypress 4.x instance
  - Measure with Reason
  - ex: CMS147v8

- **Issue:**
  - The Reason template uses an outdated extension
  - “2014-12-01” extension should be “2017-08-01”

- **Workaround:**
  - All other components of template are in line with the implementation guide
  - Read template as otherwise expected

**Implementation Guide:**

3. **SHALL** contain exactly one [1..1] `templateId` (`CONF:3343-11359`) such that it
   a. **SHALL** contain exactly one [1..1] `@root`="2.16.840.1.113883.10.20.24.3.88" (`CONF:3343-11360`).
   b. **SHALL** contain exactly one [1..1] `@extension"=2017-08-01"` (`CONF:3343-27027`).

**Should Be:**

```xml
<entryRelationship typeCode="RSON">
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.24.3.88" extension="2017-08-01"/>
        <id root="1.3.6.1.4.1.115" extension="fbbef700-053a-0137-9fbb-0e956904d8ba"/>
        <code code="77301-0" codeSystem="2.16.840.1.113883.6.1" display="reason" codeSystemName="LOINC"/>
        <statusCode code="completed"/>
        <value code="105480006" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT" xsi:type="CD"/>
    </observation>
</entryRelationship>
```
Recent Issue

CYPRESS-1612: Diagnostic Study, Performed reason export

- **Precondition:**
  - A Cypress 4.x instance
  - Measures with “Diagnostic Study, Performed”
    - Ex: CMS129v8
  - Patient with “Reason”
    - Ex: ONE CANCER MALE template

- **Issue:**
  - Cypress does not export the reason code shown in the html
  - Reason does not show up in the corresponding QRDA template

- **Workaround:**
  - Does not impact calculation because of other population-impacting patient criteria
  - Because reason is not necessary for correct population, it may be ignored in the html patient document
**Recent Issue**

**CYPRESS-1619: Immunization, Administered authorDatetime in Record Sample**

- **Precondition:**
  - A Cypress 4.x instance
  - Measures with “Immunization, Administered”
    - Uses “authorDatetime” attribute
    - Ex: CMS127v7
  - Record Sample Test with Immunization, Administered data criteria selected

- **Issue:**
  - Cypress is looking for an authorDatetime in an element for which there is no authorDatetime
  - Implementation guide indicates effectiveTime element is used for that the authorDatetime (Cypress looking for wrong attribute)

- **Workaround:**
  - Only necessary if Record Sample Test is generated with a “Immunization, Administered” and authorDatetime attribute
  - That data criteria may be swapped out for any other available data criteria option
  - May reach out to ATL to edit the test and swap this criteria

---

**Immunization, Administered Criteria:**

**Proper Immunization, Administered:**

**Cypress Fail Results:**
## Cypress Versions

<table>
<thead>
<tr>
<th>Version</th>
<th>Dates</th>
<th>Measures Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 3.2.3</td>
<td>December 14, 2017</td>
<td>Support for the eCQMs for the 2018 Reporting/Performance Period&lt;br&gt;<em>will be supported alongside Cypress v4</em></td>
</tr>
<tr>
<td>V4.0.1</td>
<td>October 11, 2018</td>
<td>Support for the eCQMs for the 2019 Reporting/Performance Period&lt;br&gt;Support for Clinical Quality Language (CQL) calculation</td>
</tr>
<tr>
<td>V4.0.2</td>
<td>January 31, 2019</td>
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</tr>
</tbody>
</table>

## Bundle Version

<table>
<thead>
<tr>
<th>Bundle Version</th>
<th>Dates</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017.0.3</td>
<td>April 24, 2018</td>
<td>Cypress v3 only&lt;br&gt;“Z1 BH Adult” updated for CMS128v6</td>
</tr>
<tr>
<td>2017.0.4</td>
<td>September 25, 2018</td>
<td>Cypress v3 only&lt;br&gt;Errata update to fix ‘Download All Patients’ feature when 2017.0.3 and 2017.0.2 are installed simultaneously</td>
</tr>
<tr>
<td>2018.1.0</td>
<td>October 11, 2018</td>
<td>Cypress v4 only&lt;br&gt;CQL-based measures released in 2018 for the 2019 reporting year&lt;br&gt;eCQM Value Sets as of 9/17/2018.</td>
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</tbody>
</table>
### HIMSS 2019 Conference Sessions

We invite those attending the Health Information and Management Systems Society (HIMSS) Conference in Orlando, FL, to join us:

<table>
<thead>
<tr>
<th>Cypress Office Hours by Appointment</th>
<th>FHIR’s Impact on eCQM Development and Testing</th>
<th>Balancing Value &amp; Burden: CMS Electronic Quality Reporting</th>
<th>Collaborative Measure Development Workspace Feedback Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/12/19 1-2:30pm ET</td>
<td>2/13/19 12-1:30pm ET</td>
<td>2/13/19 10-11am ET</td>
<td>2/14/19 8:30-9:30am ET</td>
</tr>
<tr>
<td>2/14/19 1-3pm ET</td>
<td>2/13/19</td>
<td>2/14/19</td>
<td>2/14/19</td>
</tr>
<tr>
<td>Booth 701</td>
<td>Booth 701</td>
<td>Booth 701</td>
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<tr>
<td></td>
<td>W310A MITRE Government Relations Room</td>
<td>W307A</td>
<td>W310A MITRE Government Relations Room</td>
</tr>
</tbody>
</table>

Booth 701

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OPEN DISCUSSION
Next Cypress Tech Talk

- Tuesday, February 26, 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 Timeline 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