Agenda

- Software Updates
  - Cypress 5.0.1 Patch Release
    - Measure Logic Highlighting
    - Status updates for long running uploads
    - C2 test returning “Internal Error” message
    - Patient Import Fails when missing Low value
- Cypress Versions
- Open Discussion
- Contact Information
Software Update

Cypress 5 Releases

- Cypress 5.0.1 was released on Thursday, August 29th
  - [https://github.com/projectcypress/cypress/wiki/Cypress-5.x-Upgrade-Instructions](https://github.com/projectcypress/cypress/wiki/Cypress-5.x-Upgrade-Instructions)

- Cypress Features
  - Measure Logic Highlighting for vendor provided test patients.
  - Increased granularity of status message for bundle and vendor patient uploads.

- Cypress Bugs Addressed
  - Internal Error returned by Cypress instead of error message for incorrect population counts. ([CYPRESS-1785](https://github.com/projectcypress/cypress/wiki/Cypress-5.x-Upgrade-Instructions))
  - Patient Import Fails when missing Low value. ([CYPRESS-1785](https://github.com/projectcypress/cypress/wiki/Cypress-5.x-Upgrade-Instructions))
Software Update
Measure Logic Highlighting

CVU+ is being updated to display eCQM calculation and Measure Logic Highlighting for uploaded developer-generated test patients.

<table>
<thead>
<tr>
<th>Measure Information</th>
<th>IPOP</th>
<th>DENOM</th>
<th>NUMER</th>
<th>DENEX</th>
<th>DENEXECP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMS2v9 - PopulationSet 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

View Logic Highlighting

**Populations**

*Initial Population*

define "Initial Population":

"Patient Age 12 Years or Older at Start of Measurement Period" and exists ("Qualifying Encounter for Depression Screening")

**Denominator**

define "Denominator":

"Initial Population"

**Denominator Exclusions**

define "Denominator Exclusions":

"Has Diagnosis of Bipolar Starting Before Qualifying Encounter" or "Has Diagnosis of Depression Starting Before Qualifying Encounter"

**Numerator**

define "Numerator":

("Patient Age 12 to 17 Years at Start of Measurement Period" and ("Most Recent Adolescent Depression Screening Negative" is not null or "Follow up for Positive Adolescent Depression"

QDM::Diagnosis

Depression diagnosis

Codes:

ICD10CM: F34.1
SNOMEDCT: 78667006

Time Elements:

Prevalence Period Start: 2017-05-31T08:30:00.000Z

Other Fields:

Depression diagnosis

Codes:

SNOMEDCT: 14183003
ICD10CM: F32.0

Time Elements:

Prevalence Period Start: 2018-02-26T08:00:00.000Z

Other Fields:

QDM::EncounterPerformed

BP Screening Encounter Codes

Codes:

CPT: 99205

Time Elements:

Relevant Period Start: 2017-05-31T08:00:00.000Z
Relevant Period End: 2017-05-31T09:00:00.000Z

Other Fields:

Length Of Stay: 0 d

BP Screening Encounter Codes

Codes:
Software Update

Status updates for long running uploads

- Current the Bundle upload and Vendor Patient upload can take a long time
  - Original status messages
    
    | Current Vendor Uploads | Status             |
    |------------------------|--------------------|
    | 0_Alexander_Mcgee.xml.zip | working (1)        |
    |                        | Importing          |

  - Updated status messages
    
    | Current Bundle Import Jobs | Status                        |
    |-----------------------------|-------------------------------|
    | bundle-2019.zip             | working (1)                   |
    |                            | Calculating (3 of 59 measures complete) |

    | Current Vendor Uploads | Status                        |
    |------------------------|-------------------------------|
    | Archive.zip            | working (1)                   |
    |                        | Calculating (18% complete)    |
Software Updates

Internal Error returned by Cypress instead of error message (CYPRESS-1785)

- C2 test returning “Internal Error” message
  - This error message is being returned when ‘expected’ population counts do not match ‘reported’ population counts

- The error message should appear as below
  - Will be fixed in 5.0.1 patch release
Software Updates

Patient Import Fails when missing Low value (CYPRESS-1785)

- Cypress Patient Import fails when an interval’s low value is missing or unknown
  - Will be fixed in 5.0.1 patch release

```xml
<!-- QDM Attribute: Relevant Period -->
<effectiveTime>
  <low nullFlavor="UNK"/>
  <high nullFlavor="UNK"/>
</effectiveTime>
```
# 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>
<tr>
<td>V5.0.1</td>
<td>August 29, 2019</td>
<td></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**
| 2019.0.1       | July 25, 2019   | **Cypress v5 only**
MEASURE HIGHLIGHTING DEMO
OPEN DISCUSSION
Next Cypress Tech Talk

- Tuesday, September 24, 2019 at 1pm ET
- To join online, visit: https://meetings.cms.gov/orion/joinmeeting.do?MTID=500e771f77b2a8fbc9a2bf9f86bcfa44
- To join via phone, dial: 1-877-267-1577
- Meeting Number: 998 528 663
- 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](https://www.healthit.gov/cypress/techtalks.html)

- Send questions and feedback to the Cypress Talk List at
  - [project-cypress-talk@googlegroups.com](mailto:project-cypress-talk@googlegroups.com)

- Report bugs and issues to the Cypress JIRA at
  - [https://oncprojecttracking.healthit.gov/support/browse/CYPRESS](https://oncprojecttracking.healthit.gov/support/browse/CYPRESS)