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 4.0.4 Patch Release
    - QRDA Import/Export updates

- 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

- 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)
  - Patient Import Fails when missing Low value. (CYPRESS-1785)
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>
</tr>
</thead>
<tbody>
<tr>
<td>CMS2v9 - PopulationSet 1</td>
</tr>
<tr>
<td>IPOP</td>
</tr>
<tr>
<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"

<table>
<thead>
<tr>
<th>QDM::Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depression diagnosis</td>
</tr>
<tr>
<td>Codes:</td>
</tr>
<tr>
<td>ICD10CM: F34.1</td>
</tr>
<tr>
<td>SNOMEDCT: 78667006</td>
</tr>
<tr>
<td>Time Elements:</td>
</tr>
<tr>
<td>Prevalence Period Start: 2017-05-31T08:30:00.000Z</td>
</tr>
<tr>
<td>Other Fields:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QDM::EncounterPerformed</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP Screening Encounter Codes</td>
</tr>
<tr>
<td>Codes:</td>
</tr>
<tr>
<td>CPT: 99205</td>
</tr>
<tr>
<td>Time Elements:</td>
</tr>
<tr>
<td>Relevant Period Start: 2017-05-31T08:00:00.000Z</td>
</tr>
<tr>
<td>Relevant Period End: 2017-05-31T09:00:00.000Z</td>
</tr>
<tr>
<td>Other Fields:</td>
</tr>
<tr>
<td>Length Of Stay: 0 d</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Current Vendor Uploads</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>0_Alexander_Mcghee.xml.zip</td>
<td>working</td>
</tr>
</tbody>
</table>

- Updated status messages

<table>
<thead>
<tr>
<th>Current Bundle Import Jobs</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>bundle-2019.zip</td>
<td>working (Calculating (3 of 59 measures complete))</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current Vendor Uploads</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archive.zip</td>
<td>working (Calculating (18% complete))</td>
</tr>
</tbody>
</table>
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>
```
Software Updates

Cypress 4.0.4 Patch Release

- Cypress 4.0.4 patch release is planned for Thursday, October 3rd

- Cypress 4.0.4 patch release will include updates to QRDA Import and Export:
  - Use an id’s Root and Extension to determine uniqueness
  - “Low” values in a time range can use nullFlavor
  - Quantities can use decimal values
  - Exported Medication units should be valid UCUM values

- Cypress 4.0.4 patch release will enforce the "Guidance for Reason Template Placement When Specifying ‘Not Done’ with a Reason" published September 20, 2019.
## 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>V4.0.4</td>
<td>October 3, 2019*</td>
<td>QRDA bug fixes</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  
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. |

*Planned Date
MEASURE HIGHLIGHTING DEMO
OPEN DISCUSSION
Next Cypress Tech Talk

- Tuesday, October 8, 2019 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](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://oncprojectracking.healthit.gov/support/browse/CYPRESS](https://oncprojectracking.healthit.gov/support/browse/CYPRESS)