Agenda

- Software Updates
  - Cypress 5.0.1 Patch Release
  - Measure Logic Highlighting
  - Status updates for long running uploads

- Recent Issues
  - 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 is planned for release on Thursday, August 29th

- 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

Measure Information

<table>
<thead>
<tr>
<th>Measure Information</th>
<th>IPOP</th>
<th>DENOM</th>
<th>NUMER</th>
<th>DENEX</th>
<th>DENEXEP</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

- Denominator:
  "Initial Population"

Denominator Exclusions

- Denominator Exclusions:
  "Has Diagnosis of Bipolar Starting Before Qualifying Encounter" or "Has Diagnosis of Depression Starting Before Qualifying Encounter"

Numerator

- 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**
    
    | File                | Status          |
    |---------------------|-----------------|
    | 0_Alexander_Mcgee.xml.zip | working 🔄 Importing |

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

    **Current Vendor Uploads**
    
    | File   | Status           |
    |--------|------------------|
    | Archive.zip | working 🔄 Calculating (18% complete) |
Recent Issues

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

![C2 Execution: An internal error occurred](image)

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

![Errors and Warnings](image)
Recent Issues

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**  
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
OPEN DISCUSSION
Next Cypress Tech Talk

- Tuesday, September 10, 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 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)