Agenda

- Software Updates
  - Cypress 6.1.0 Updates
    - Reporting of relevantPeriod and relevantDatetime
    - CVU+ Performance Enhancements
  - Cypress 6.1.1 Updates
- Recent Issue
  - Cypress Known Issues Dashboard
- Cypress Versions
- Open Discussion
- Contact Information

*See the Glossary at the back for definitions of terms*
Software Updates

eCQMs using relevantPeriod and relevantDatetime

- As specified in QDM 5.5, several QDM data types, such as “Procedure, Performed”, support either relevantDatetime or relevantPeriod timing attributes.
- Issues have been raised through ONC Jira projects in regards to varying use of relevantDatetime and relevantPeriod in eCQMs for these QDM data types.
- For Example:
  - CMS129v10:
    - ["Procedure, Performed": "Prostate Cancer Treatment"] uses relevantPeriod
    - ["Procedure, Performed": "Cancer staging (tumor staging)"] uses relevantDatetime
**Software Updates**

**Reporting of relevantPeriod and relevantDatetime**

- For all eCQMs where QDM data types support both relevantDatetime and relevantPeriod attributes, the Cypress, QualityNet, and The Joint Commission systems will allow submitters to submit QRDA data either as:
  - relevantDatetime (effectiveTime/@value)
  - relevantPeriod (effectiveTime/low and effectiveTime/high)

- For example, for CMS129v10, even though the measure specification uses relevantPeriod for ["Procedure, Performed": "Prostate Cancer Treatment"], submitters may submit the timing of this data element either as relevantDatetime or relevantPeriod in QRDA I.

- When performing calculations using relevantPeriod in place of relevantDatetime, the “Low” value takes precedence over the “High” value.

<table>
<thead>
<tr>
<th>Relevant Period</th>
<th>Relevant DateTime</th>
<th>Relevant Period</th>
<th>Relevant DateTime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low - 12/1/20 @ 1:00 PM</td>
<td>12/1/20 @ 1:00 PM</td>
<td>Low – @nullFlavor = NA</td>
<td>12/1/20 @ 1:30 PM</td>
</tr>
<tr>
<td>High - 12/1/20 @ 1:30 PM</td>
<td></td>
<td>High - 12/1/20 @ 1:30 PM</td>
<td></td>
</tr>
</tbody>
</table>
Software Updates
CVU+ Performance Enhancements

- Users have reported that bulk uploads of QRDA I files can take an exceedingly long time
- One of the causes is Cypress v6.0.1 performs calculations for every QRDA file, for every eCQM selected

1000 Files
60 eCQMs
60,000 Calculations

- Cypress v6.1.0 has been updated to perform calculations in batches
Software Updates
CVU+ Performance Enhancements

In Cypress v6.0.1, CVU+ Calculations/Results are only viewable in the Cypress user interface
- For bulk uploads, this page can take a while to load and is cumbersome to view

Cypress v6.1.0 includes (most recent) Calculations/Results as part of the downloadable report
**Software Updates**

**UMLS Login Update**

- UMLS has deprecated previous login libraries, now requiring an API key to verify user accounts.

- Cypress requires UMLS account verification in order to access used valuesets. In Cypress v6.1.0, this is verified using the UMLS API Key from the UMLS Licensee Profile information page.
Software Updates
Cypress 6.1.1 Update

- In the previous Cypress version, CVU+ calculations were not properly accounting for negated valuesets
  - Caused by an update to save certain patient information during CVU+ calculations
  - Patient negation adjustments did not get appropriately saved

- Cypress 6.1.1 update saves negation adjustments
  - Released January 6, 2021
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 Known Issues

<table>
<thead>
<tr>
<th>Filter Results: Cypress Known Bugs 6.0.0</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary</td>
<td>2021 Performance Period EP/EC eCQMs</td>
</tr>
<tr>
<td>CMS72v9-QRDA1 issue</td>
<td></td>
</tr>
<tr>
<td>CMS134v9 Denominator Exclusion count</td>
<td></td>
</tr>
<tr>
<td>CMS68v10 procedure performed incomplete issue</td>
<td></td>
</tr>
<tr>
<td>CMS-190v9 C1 Sample testing returning Internal Error with code nullFlavor in Facility Location</td>
<td></td>
</tr>
<tr>
<td>CMS-108/190 returning warning when submitting Z29 VTE for C1/C3 testing</td>
<td></td>
</tr>
<tr>
<td>1–5 of 5</td>
<td></td>
</tr>
</tbody>
</table>
## Cypress Versions

<table>
<thead>
<tr>
<th>Version</th>
<th>Dates</th>
<th>Measures Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>V5.4.2</td>
<td>September 17, 2020</td>
<td>Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL. Contains updates to support telehealth checking</td>
</tr>
<tr>
<td>V6.0.1</td>
<td>October 15, 2020</td>
<td>Support for QRDA Category 1 R5.2, Updated CMS IGs, and 2021 reporting/performance period eCQMs. Updated support for telehealth checking.</td>
</tr>
<tr>
<td>V6.1.0</td>
<td>December 17, 2020</td>
<td>Support for calculations with relevantPeriod or relevantDateTime</td>
</tr>
<tr>
<td>V6.1.1</td>
<td>January 6, 2021</td>
<td>Update to CVU+ calculations to fix valueset negations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bundle Version</th>
<th>Dates</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019.2.0</td>
<td>September 17, 2020</td>
<td>Cypress v5 only CQL-based measures released in 2019 for the 2020 reporting year. Contains updates for ELM issues found in CMS128v8, CMS146v8, and CMS56v8.</td>
</tr>
<tr>
<td>2020.0.4</td>
<td>October 15, 2020</td>
<td>Cypress v6 only CQL-based measures released in 2020 for the 2021 reporting year. Updated patients to use relevant dateTime or relevant period, as appropriate.</td>
</tr>
</tbody>
</table>
OPEN DISCUSSION
Next Cypress Tech Talk

- Tuesday, January 26, 2021 at 1pm ET
- To join online, visit: 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
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
Glossary

- CQL – Clinical Quality Language
- CVU – Cypress Validation Utility
- CVU+ – Cypress Validation Utility Plus Calculation Check
- EC – Eligible Clinician
- eCQM – Electronic Clinical Quality Measure
- EH – Eligible Hospital
- EP – Eligible Professional
- HL7 – Health Level Seven International
- IG – Implementation Guide
- QPP – Quality Payment Program
- QRDA – Quality Reporting Document Architecture