Cypress™

Cypress Tech Talk

June 16, 2020

MITRE

The Office of the National Coordinator for Health Information Technology

CMS CENTERS FOR MEDICARE & MEDICAID SERVICES

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Agenda

- Software Updates
  - Cypress v5.4.1
  - Cypress v6 Releases
- Recent Issue
  - Cypress Known Issues Dashboard
- Cypress Versions
- Announcements
- Open Discussion
- Contact Information

*See the Glossary at the back for definitions of terms

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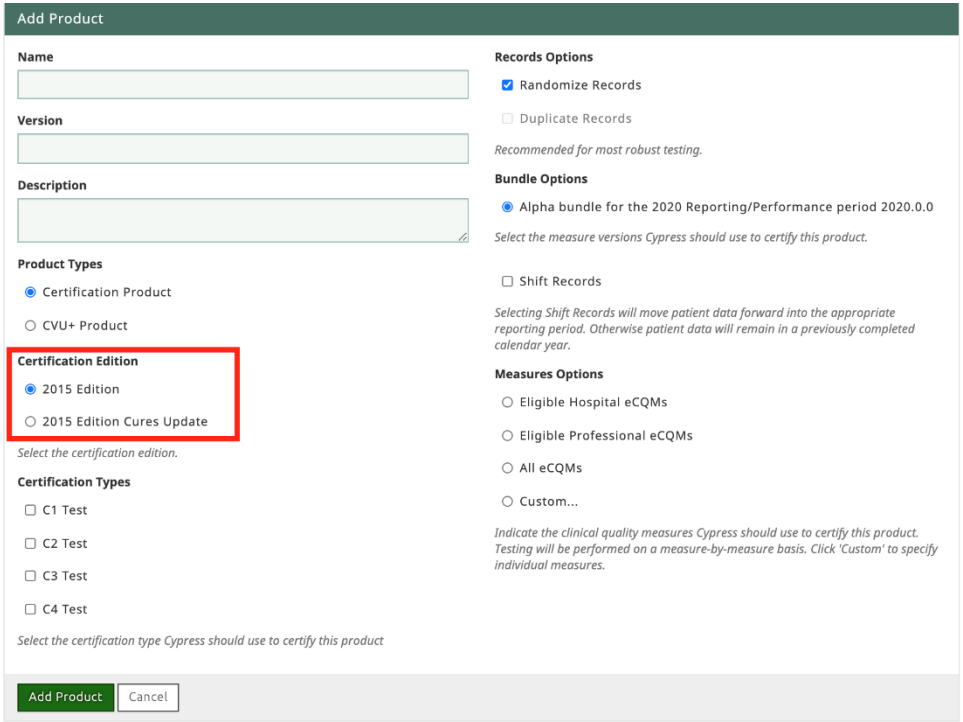
Cypress v5.4.1 2015 Edition Options

- **As packaged, Cypress v5.4.0 supports the 2015 Edition Cures Update only**
  - v5.3.0 was required to test for original 2015 Edition
- **Cypress v5.4.1 supports both options**
  - 2015 Edition, and
  - 2015 Edition Cures Update
- **Released June 4, 2020**



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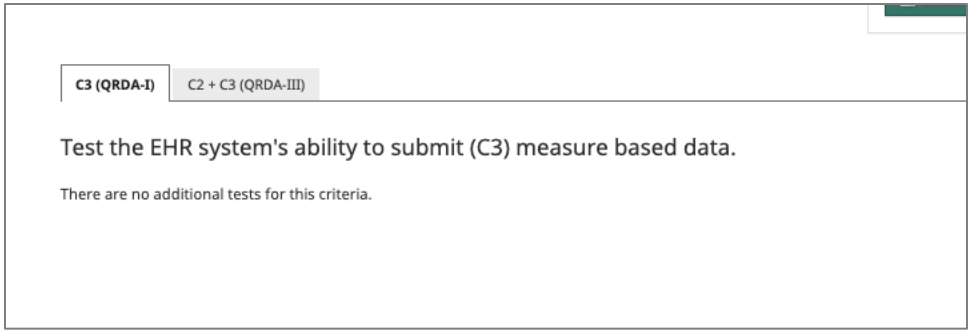
Software Updates

Cures Features

- **ONC Interoperability Rule released on March 9, 2020 to support the 21st Century Cures Act**
- **Cypress updates for C3 certification and schematron validation**
  - CMS IG is used for validation and shows errors for CMS IG validation issues
  - Uses latest CMS schematron, updated on March 13, 2020
  - QRDA-I C3 validation only required for EH measures
  - QRDA-III C3 validation only required for EP/EC measures
  - Example, EP/EC measure with C3 certification will have no QRDA-I tests:



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Software Updates

De-duplication Features

- **Address Changes**
  - Previously, Cypress created all patients with the same address
  - Cypress creates patients with different addresses, where addresses will not be changed when duplicating patients
- **Birthdate Changes**
  - Previously, birthdate was often changed in duplicate patients to a random date in a range from the original patient birthdate
  - Updates make birthdate changes less common
  - Birthdate changes only update the *day* while keeping the month and year the same


```
▼<recordTarget>
  ▼<patientRole>
    <id extension="5e9bfd19dfe4bd03bdf0fecf" root="1.3.6.1.4.1.115"/>
    ▼<addr use="HP">
      <streetAddressLine>202 Burlington Rd.</streetAddressLine>
      <city>Bedford</city>
      <state>MA</state>
      <postalCode>01730</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-781-271-3000"/>
    ▼<patient>
```

```
▼<recordTarget>
  ▼<patientRole>
    <id extension="5e9bfd19dfe4bd03bdf0fecf" root="1.3.6.1.4.1.115"/>
    ▼<addr use="HP">
      <streetAddressLine>7478 Riverview Lane</streetAddressLine>
      <city>Massapequa</city>
      <state>NY</state>
      <postalCode>11758</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1-202-555-0165"/>
```


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Software Updates

CVU+ HL7 Tests

- **HL7-only tests provided as CVU+ functionality**
  - Previously, the Cypress Validation Utility provided simple validation with the HL7 schematron
  - Users have expressed continued interest in HL7 validation
  - HL7 Cat I and HL7 Cat III tests are both provided as options in CVU+

MultiMeasureTest | **CMSProgramTest**

Test Name	Quick Upload	Last Updated
MIPS_GROUP Test	start upload	6 minutes ago
MIPS_INDIV Test	start upload	6 minutes ago
MIPS_VIRTUALGROUP Test	start upload	6 minutes ago
CPCPLUS Test	start upload	6 minutes ago
HL7 Cat I Test	retry upload	4 minutes ago
HL7 Cat III Test	start upload	6 minutes ago

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Software Updates

Cypress v6 Releases

- **Cypress v6 Alpha release May 21, 2020**
  - HL7 QRDA Category 1 R5.2
  - 2021 CMS QRDA Implementation Guide for Hospital Quality Reporting
  - Initial support for 2021 reporting/performance period eCQMs
    - 9 EH/CAH eCQMs
    - 47 EP/EC eCQMs
    - 1 Hybrid eCQM (CMS529)
- **Final Cypress v6 release anticipated late July 2020**

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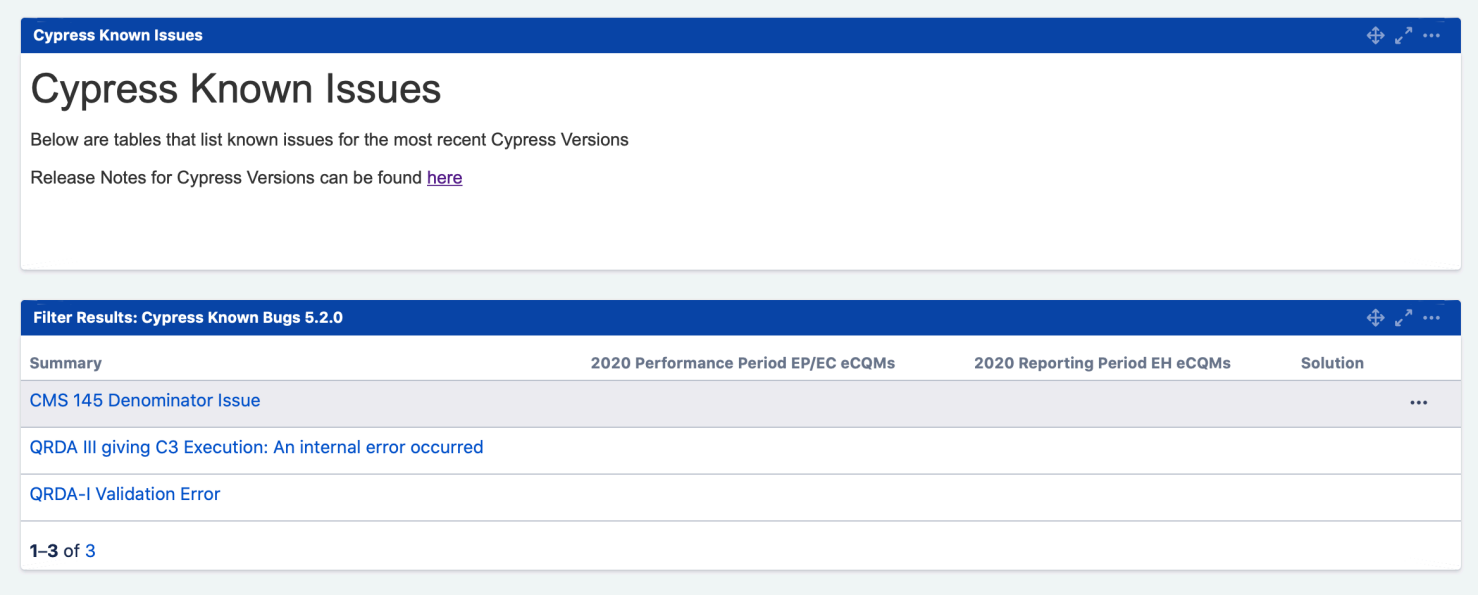
Recent Issue

Cypress Known Issues Dashboard

- https://oncprojectracking.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



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Cypress Versions

Version	Dates	Measures Supported
V5.3.0	**March 12, 2020**	Latest version supporting eCQMs for the 2020 Reporting/Performance Period and CQL. Contains feature improvements and fixes for bugs found in Cypress v5.2.0.
V5.4.0	**May 14, 2020**	Support for certification changes due to regulation updates in the Cures Interoperability Rule. Adds more de-duplication realism.
V6 Alpha	**May 21, 2020**	Initial support for QRDA Category 1 R5.2 and 2021 reporting/performance period eCQMs.
V5.4.1	**June 4, 2020**	Support for 2015 Certification Edition OR 2015 Certification Cures Updated Edition.

Bundle Version	Dates	Features
2019.1.1	**December 19, 2019**	**Cypress v5 only** CQL-based measures released in 2019 for the 2020 reporting year. Removed retired measures as announced on November 19, 2019.
V6 Alpha	**May 21, 2020**	**Cypress v6 only** Initial CQL-based measures released in 2020 for the 2021 reporting year.

*Cypress v4 and the 2018 bundle are moving into retirement due to the end of the 2019 reporting period.

Reporting end dates: April 30, 2020 for EP (source: QPP). May 1, 2020 for EH (source: QualityNet).

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Announcements

- **Now Available: Updated eCQM Data Element Repository (DERep) for 2021 Reporting and Performance Periods**
  - The eCQM Data Element Repository (DERep) now includes information for 2021 reporting and performance periods.
  - The eCQM DERep provides the data elements associated with eCQMs in CMS quality reporting programs, as well as the definitions for each data element. This information is intended to improve clarity for those implementing eCQMs.
- **Full announcement can be found on the eCQI Resource Center at https://ecqi.healthit.gov/now-available-updated-ecqm-data-element-repository-derep-2021-reporting-and-performance-periods**

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OPEN DISCUSSION

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Next Cypress Tech Talk

- Tuesday, June 30, 2020 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

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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://oncprojectracking.healthit.gov/support/browse/CYPRESS

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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

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