Cypress™

Cypress Tech Talk

April 5, 2022



















Agenda

- Software Updates
 - Cypress 7.0.0
 - Cypress 6.3.0
- Recent Issue
 - Cypress Known Issues Dashboard
- Cypress Versions
- Open Discussion
- Contact Information

*See the Glossary at the back for definitions of terms

Software Updates

Cypress 7.0.0 (2023 Annual Update)

Cypress 7.0.0

- For the 2023 Reporting and Performance Period
- Release will be 2022 and 2023 compatible
- 2022 bundle (for the 2023 reporting period) can be loaded alongside the the 2021 bundle (for the 2022 reporting period)

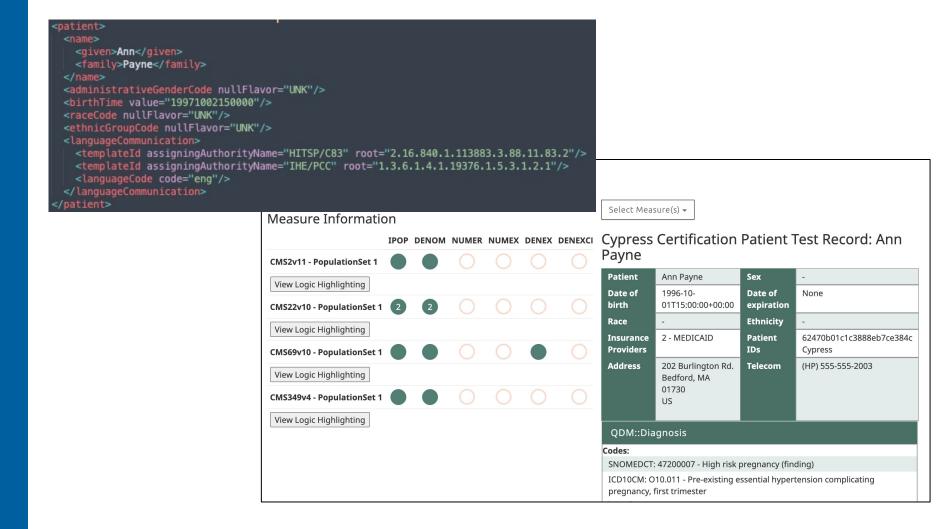
Release Schedule

- Release Candidate will be available as a VM (Virtual Machine) May 2022
- Final Release will be available in all release formats Summer 2022

Cypress 6.3.0

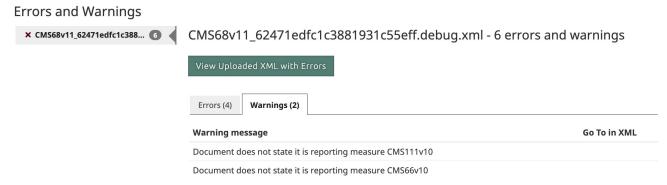
- Scheduled for release on May 5th 2022.
- Will support testing with the 2021 Bundle for the 2022 Reporting Period
- Will include all feature improvements and bug fixes to be included in Cypress v7:
 - Allow for import of Vendor Patients without demographics specified (<u>Cypress-2351</u>)
 - Tailor CVU+ measure warnings to selected program (<u>Cypress-2348</u>)
 - Align Vendor Patient totals (<u>Cypress-2346</u>)
 - Support verification of multiple NPI/TIN combinations in CVU+ (Cypress-2345)
 - Improve calculations with negated valuesets (<u>Cypress-2342</u>)
 - Cypress API enhancements (<u>Cypress-2319</u>)
 - Display Core Clinical Data Elements for patients with multiple episodes of care (<u>Cypress-2301</u>)
 - Provide notification for CVU+/Vendor Patient uploads when QRDA files are missing in zip file
 - Provide sorting/pagination for user list
 - Provide indicator in Report when all tests are passing
 - Autofill Direct Reference Codes for C1 Record Sample Tests
- Note: will not support testing with the 2022 Bundle for the 2023 Reporting Period

Allow for import of Vendor Patients without demographics specified

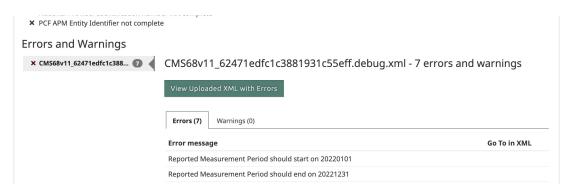


Tailor CVU+ measure warnings to selected program

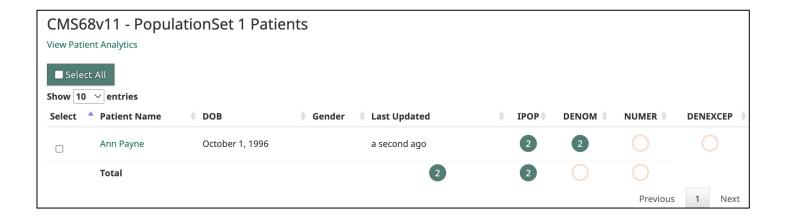
HL7 QRDA III Test would warn that measure ids are missing for CMS111 and CMS66

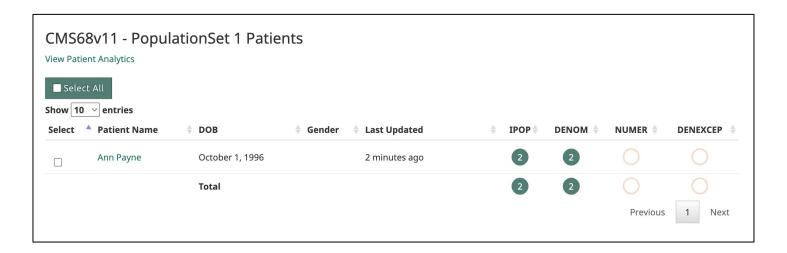


 Since CMS111 and CMS66 are not part of the PCF program, those warnings would not be reported for the CVU+ PCF test



Align Vendor Patient totals



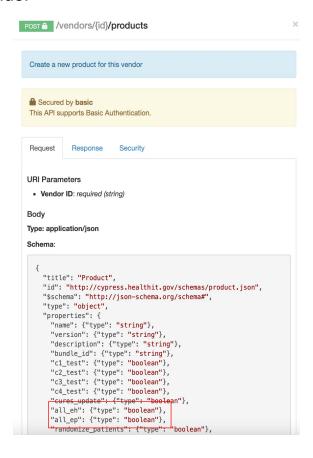


Support verification of multiple NPI/TIN combinations in CVU+

| /alidated in QRDA | Data Criteria | Description | CMS IG Conformance Statement Reference | Recorded Value in Health IT |
|---|---|--|---|-----------------------------|
| | CMS EHR Certification ID | For PCF, all QRDA III files must include a CMS EHR Certification ID. Nulls will not be allowed. | (CONF:CMS_85) | |
| ✓ (_62470cb1c1c3889374bdeb24.debug.xml) | Tax Identification Number | For PCF: it must contain at least one performer, each performer contains one TIN and one NPI | (CONF:3338-18190) | 123456789,987654321 |
| | National Provider Identification number | For PCF: it must contain at least one performer, each performer contains one TIN and one NPI | (CONF:3338-18247) | |
| | PCF APM Entity Identifier | This is the PCF APM Entity Identifier assigned to the PCF practice site. | (CONF:CMS_101) | |
| Save | | | | |

Cypress API enhancements

1) A user can specify "All EP" or "All EH" instead of providing an array of all the EP/EH measure ids when creating a new vendor



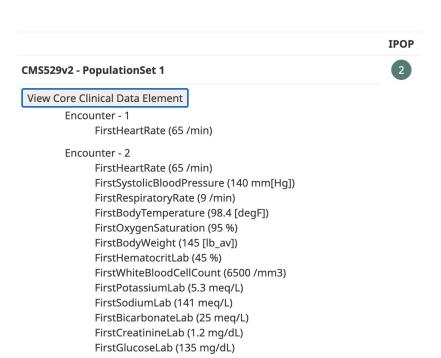
2) Product Test details now include the provider details for the specific test

```
<name>Functional Status Assessment for Total Hip Replacement/name>
 <cms id>CMS56v10</cms id>
 <measure_id>2C928085-75AD-6D20-0175-AE82F4DE02DB</measure_id>
 <type>measure</type>
 <state>readv</state>
 <created at>2022-03-28 16:50:15 UTC</created at>
▼ovider>
   <tin>032060001</tin>
   <npi>1842091252</npi>
   <ccn>273344</ccn>
   <name>Zachary Sutton</name>
 </provider>
 <link rel="self" href="/products/6241e747c1c3884ee8f0fdaa/product tests/6241e747c1c3884ee8f0fdab"/>
 <link rel="tasks" href="/product tests/6241e747c1c3884ee8f0fdab/tasks"/>
 <link rel="patients" href="/product tests/6241e747c1c3884ee8f0fdab/patients"/>
</measure test>
```

3) Product Details shows whether the test is for the 21st Century Cures Update

```
▼oduct>
  <name>Test Product</name>
  <version/>
  <description/>
  <cl test>true</cl test>
  <c2_test>true</c2_test>
  <c3_test>true</c3_test>
  <c4 test>false</c4 test>
  <cures update>true</cures update>
  <randomize_patients>true</randomize_patients>
  <duplicate_patients>true</duplicate_patients>
    <measure id>2C928085-75AD-6D20-0175-AE82F4DE02DB</measure id>
    <measure id>2C928084-7545-FE85-0175-56D4788E0834</measure id>
    <measure_id>2C928083-786E-690D-0178-7090965F028D</measure_id>
  <created at>2022-03-28 16:50:15 UTC</created at>
  <updated at>2022-03-28 16:51:47 UTC</updated at>
  <link rel="self" href="/vendors/6241e714c1c3884ee8f0fda7/products/6241e747c1c3884ee8f0fdaa"/>
  <link rel="product_tests" href="/products/624le747clc3884ee8f0fdaa/product_tests"/>
  <link rel="patients" href="/vendors/6241e714c1c3884ee8f0fda7/products/6241e747c1c3884ee8f0fdaa/patients"/>
 </product>
```

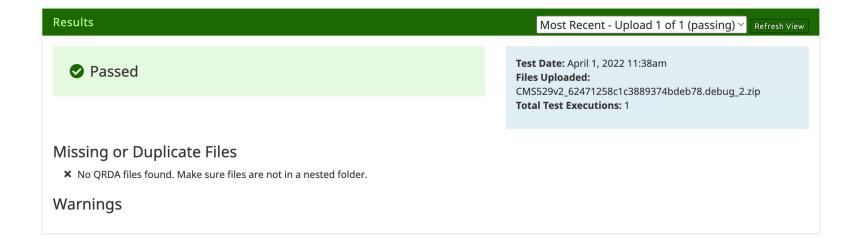
Display Core Clinical Data Elements for patients with multiple episodes of care



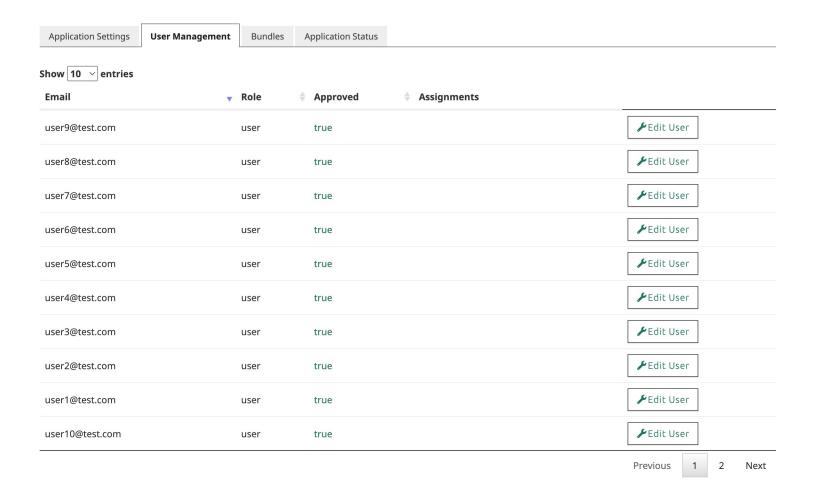


QDM::LaboratoryTestPerformed

Provide notification for CVU+/Vendor Patient 11 uploads when QRDA files are missing in zip file



Provide sorting/pagination for user list



Provide indicator in Report when all tests are passing



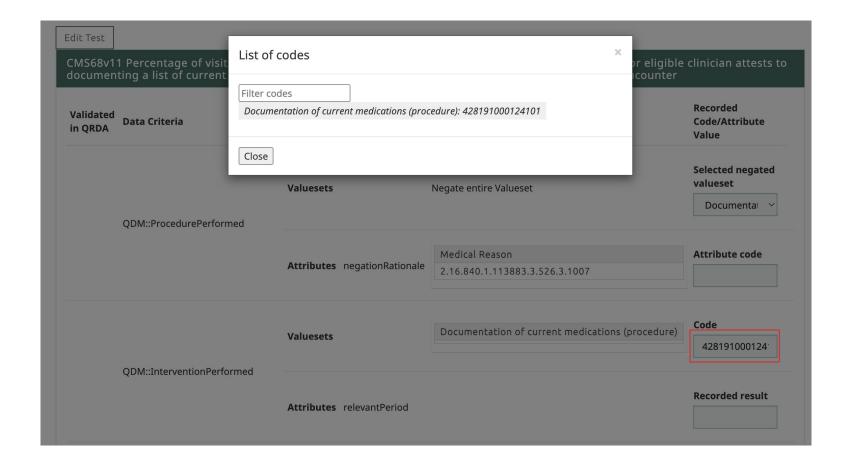
CMS133v10 Percentage of cataract surgeries for patients aged 18 and older with a diagnosis of uncomplicated cataract and no significant ocular conditions impacting the visual outcome of surgery and had best-corrected visual acuity of 20/40 or better (distance or near) achieved in the operative eye within 90 days following the cataract surgery

| | Description | Attribute |
|---|--|----------------|
| 1 | Physical Exam, Performed: BestCorrectedVisualAcuityExamUsingSnellenChart | result |
| 1 | Procedure, Performed: CataractSurgery | relevantPeriod |
| 1 | Patient Characteristic Sex: ONCAdministrativeSex | |
| 1 | Patient Characteristic Birthdate: Birth date | birthDatetime |

All C1 Measure Tests passing without errors or warnings



Autofill Direct Reference Codes for C1 Record Sample Tests



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

| Summary | 2022 Performance Period EP/EC eCQMs | 2022 Reporting Period EH/CAH eCQMs | Solution |
|--|-------------------------------------|------------------------------------|--|
| QDM::InterventionPerformed failing for Certification C1 Record Sample for some neasures in 6.2.2 | | | A Cypress 6.2.2.1 patch (https://www.healthit.gov/cypress/release.html#6.2.2.1) has been made available to address this issue. It can be applied to any version of Cypress v6. |
| typress 6.2.2 Introduces author templateld estrictions but provides malformed documents | | | A Cypress 6.2.2.1 patch (https://www.healthit.gov/cypress/release.html#6.2.2.1) has been made available to address this issue. It can be applied to any version of Cypress v6. |
| Cypress 6.2.0] Full Test Deck Download Fails fter Updating To 6.2.0 | | | Re-running the update script should fix this issue. https://github.com/projectcypress/cypress/wiki/Cypress-6.x- Upgrade-Instructions |

Cypress Versions

| Version | Dates | Measures Supported |
|----------|--------------------|--|
| V6.2.2 | September 23, 2021 | Full support for the 2022 reporting/performance period eCQMs adding released CMS QRDA III IG. Strict enforcement of Author templateIds |
| V6.2.2.1 | October 5, 2021 | Patch to address Known Issues 2305 and 2307 |

| Bundle Version | Dates | Features |
|-------------------|-------------------|---|
| 2020.0.5 | February 19, 2021 | Cypress v6 only Calculations for Master Patient List updated to reflect updated guidance for Relevant dateTime/Relevant Period and addresses issues with time zone offsets. |
| 2021.0.2 | June 24, 2021 | Cypress v6 only Measures and patients released in 2021 for the 2022 reporting year. |

OPEN DISCUSSION

Next Cypress Tech Talk

- Tuesday, May 3, 2022 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
- Note: Cypress Tech Talks will now occur every 4 weeks

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

Glossary

- API Application Programming Interface
- CCDE Core Clinical Data Elements
- 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
- UMLS Unified Medical Language System