Cypress™

Cypress Tech Talk

March 12, 2019

MITRE

The Office of the National Coordinator for
Health Information Technology

CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES

Agenda

- Software Updates
  - Cypress Validation Utility + Calculation Check (CVU+)
  - Bring Your Own Patient Feature
  - Upload Patients Demo
- Recent Issues
  - Record Sample Bugs: CYPRESS-1619, CYPRESS-1627, CYPRESS-1629
- Cypress Versions
- Open Discussion
- Contact Information

Software Update
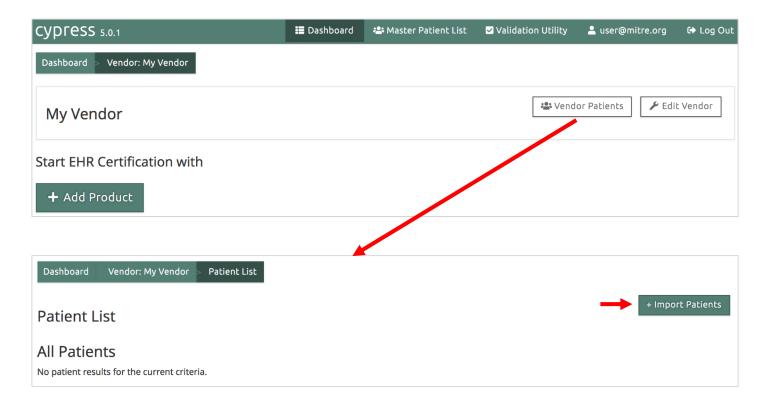# Cypress Validation Utility + Calculation Check (CVU+)

- **Cypress v5 will include a new set of features called Cypress Validation Utility + Calculation Check (CVU+)**

- **CVU+ seeks to address the vendor concern that the 'certification process does not mirror a production scenario for electronic Clinical Quality Measure (eCQM) reporting'**
  - Certification uses a constrained set of test patients
  - Certification does not enforce reporting program requirements (i.e., CMS Implementation Guide)

- **CVU+ will supplement the existing certification program**
  - Use of the CVU+ is not currently a requirement of the program

Software Update
CVU+ Feature – Bring Your Own Patients

- **Enhanced verification of a Health IT system's eCQM calculations**
  - Using a combination of Cypress defined patients, and "bring your own" patients

- **Demo feature: QRDA patient upload**
  - A user can upload BYO patient files, specific to a Vendor
  - This will allow them to make CVU+ products with those patients
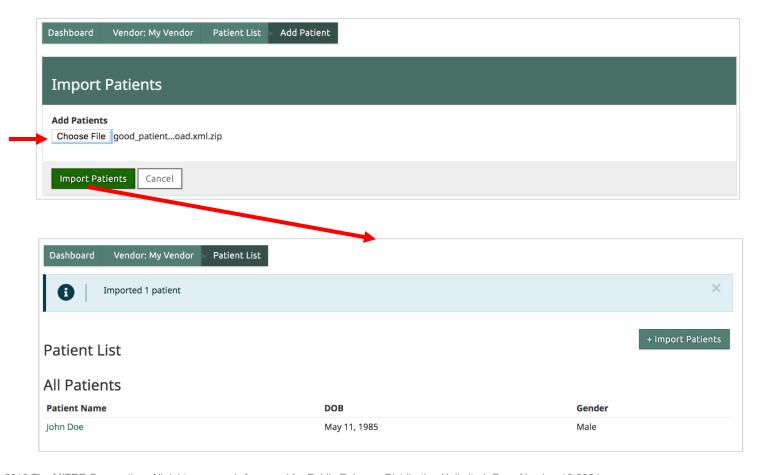 - CVU+ products allow for more extensive testing

Software Update
CVU+ Feature – BYO Patients Upload Demo

- When a user is on their Vendor page, they can select 'Vendor Patients' to view their Patient List

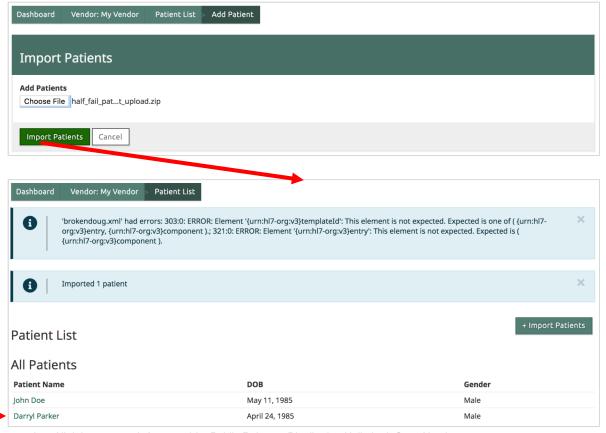- From their Patient List, they can choose to import new patients

Software Update
CVU+ Feature – BYO Patients Upload Demo

- A user can import a zip file of patients (using the QRDA Cat I Format), which updates the Patient List with the new patients
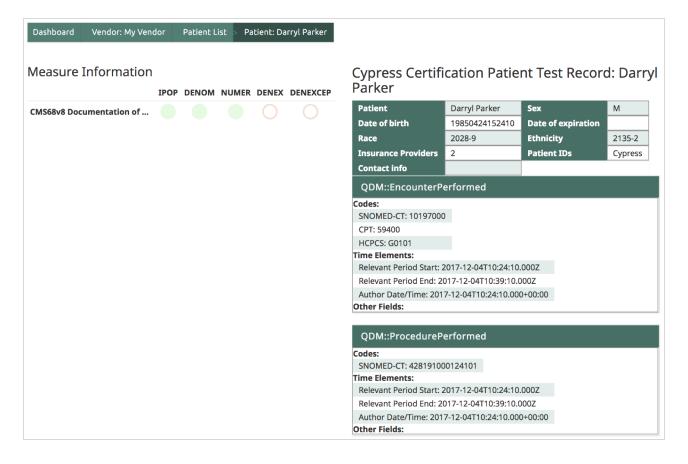
Software Update
CVU+ Feature – BYO Patients Upload Demo

- Patient Upload does some basic error checking. When a user imports a zip file with some invalid patient files, only valid patients are added
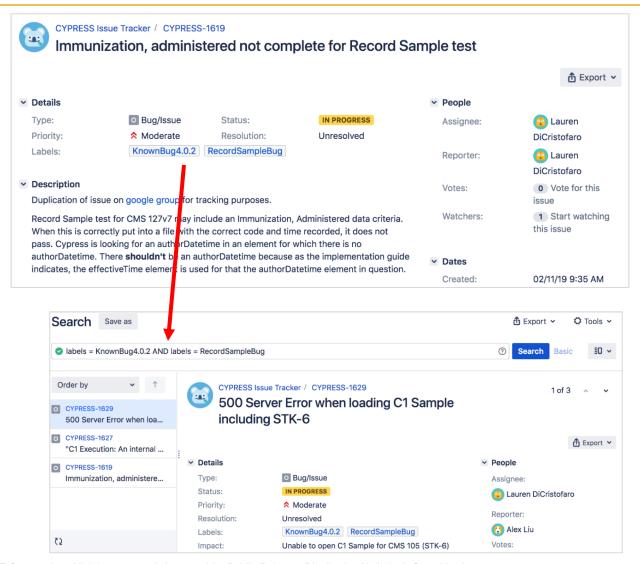- The user will see an error message for files that cannot be imported

Software Update
CVU+ Feature – BYO Patients Upload Demo

- When a user selects a specific patient, they can view the calculations and HTML rendering for the uploaded patient

Recent Issue
Record Sample Bugs in 4.0.2 patch release

Recent Issue
4.0.2 Record Sample Bugs

- CYPRESS-1619: Immunization, Administered authorDatetime in Record Sample

- CYPRESS-1627: Substance, Administered template not found in Record Sample submissions

- CYPRESS-1629: Criteria (LDL-c) in CMS105v7 causes error when accessing Record Sample

- **Workaround:**
  - Only necessary if Record Sample Test is generated with problematic criteria
  - That data criteria may be swapped out for any other available data criteria option
  - May reach out to ATL to edit the test and swap this criteria
  - Search with labels = KnownBug4.0.2 AND labels = RecordSampleBug to find marked relevant bugs

Cypress Versions

Version	Dates	Measures Supported
V 3.2.3	December 14, 2017	Support for the electronic clinical quality measures (eCQM) for the 2018 Reporting/Performance Period ***will be supported alongside Cypress v4**
V4.0.1	**October 11, 2018**	Support for the eCQMs for the 2019 Reporting/Performance Period Support for Clinical Quality Language (CQL) calculation
V4.0.2	***January 31, 2019***	

Bundle Version	Dates	Features
2017.0.3	April 24, 2018	**Cypress v3 only** "Z1 BH Adult" updated for CMS128v6
2017.0.4	September 25, 2018	**Cypress v3 only** Errata update to fix 'Download All Patients' feature when 2017.0.3 and 2017.0.2 are installed simultaneously
2018.0.1	July 26, 2018	**Cypress v4 only** CQL-based measures released in 2018 for the 2019 reporting year eCQM Value Sets as of 5/4/2018.
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.

OPEN DISCUSSION

Next Cypress Tech Talk

- Tuesday, March 26, 2019 at 1pm ET
- To join online, visit: https://meetings.cms.gov/orion/joinmeeting.do?MTID=98271705d4bcc4ad148cf1e39d5c7408
- 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 Timeline 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