

## Cypress Tech Talk

# Cypress™

January 20, 2026



**MITRE**

 **ASTP** |  **ONC**  **CMS**  
CENTERS FOR MEDICARE & MEDICAID SERVICES

# Agenda

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- Software Updates
  - Cypress 7.4.2
  - Bundle Updates
    - 2024.0.1
    - 2025.0.1
- 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 7.4.2

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- Cypress 7.4.2 patch was released on December 4, 2025
- Cypress Features
  - Validation warnings when QRDA I files are missing the provider's Tax Identification Number (TIN) ([CYPRESS-2795](#))
  - Improved Product page load times
- Cypress Bug Fixes
  - NUMEX values were not being displayed in Patient View ([CYPRESS-2792](#))
  - Unable to edit a Checklist Test after uploading a passing QRDA file ([CYPRESS-2802](#))

## Software Updates

# TIN Validation Warnings (1 of 2)

- Cypress will return warnings when QRDA I files are missing a provider's Tax Identification Number
  - Rationale: Having the TIN recorded in QRDA I files can assist with provider attribution when aggregating patient data from multiple sources within an ACO.
  - Warnings will be returned for tests related to the 3 ACO eCQMs
    - CMS2 - Preventive Care and Screening: Screening for Depression and Follow-Up Plan
    - CMS122 - Diabetes: Glycemic Status Assessment Greater Than 9%
    - CMS165 - Controlling High Blood Pressure
  - Warnings in Cypress are treated as informational, and will not result in a test failing

# Software Updates

## TIN Validation Warnings (2 of 2)

- TIN validation warnings will be provided when**
  - The TIN is missing

Results

Passed

Try the associated QRDA Category III Measure Test Try a different Measure Test Try a Record Sample

Warnings

0\_Anita\_Mcguire.xml (1 warning)  
15\_Kimberly\_Singleton.xml (1 warning)

View Uploaded XML with Errors

Errors (0) Warnings (1)

Warning message

The Provider's TIN should be reported for this measure to support ACO reporting.

Test Date: November 18, 2025 4:49pm  
Files Uploaded: Archive.zip  
Total Test Executions: 4

Most Recent - Upload 4 of 4 (in progress) Refresh View

- The TIN does not match the expected value

Results

Passed

Try the associated QRDA Category III Measure Test Try a different Measure Test Try a Record Sample

Warnings

0\_Anita\_Mcguire.xml (1 warning)  
15\_Kimberly\_Singleton.xml (1 warning)

View Uploaded XML with Errors

Errors (0) Warnings (1)

Warning message

Reported TIN 237413058 does not match Expected TIN 237413057. You can configure expected TIN using Vendor Preferences.

Test Date: November 18, 2025 4:51pm  
Files Uploaded: Archive.zip  
Total Test Executions: 5

Most Recent - Upload 5 of 5 (in progress) Refresh View

# Software Updates

## Configuring expected TIN

- By default, Cypress assigns a random TIN for each measure test

◀ Previous Test: CMS165v14

**CMS165v14 Measure Test**

**Measure:** Controlling High Blood Pressure

**Measurement Period:** 01/01/2026 - 12/31/2026

**HQMF ID:** CD9A5C8E-AC16-4E10-A1F4-4DFE48E02CAB

**CMS ID:** CMS165v14 ([eCQM Specification](#)).

**Provider Name:** Ashley Moore

**Provider NPI:** 1329690444

**Provider TIN:** 237413057

**Provider CCN:** 316137

[View Patients](#) [Get Known Good Result](#)

**C1**

**Errors**  
--

**Warnings**  
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**Execution Date**  
November 18, 2025 9:51pm

✓ Passing

**C2 and C3**

**Errors**  
--

**Warnings**  
--

**Execution Date**  
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[start](#)

▶ Next Test: CMS165v14

- If a product is tailored for a specific provider, a preferred TIN can be set using the Vendor Preferences

Dashboard > Vendor: Rails 8

Rails 8

+ Add Product

\* Vendor Preferences
Vendor Patients
Edit Vendor

6 Products

# Software Updates

## Bundle Updates

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- **Three recent Jira comments have pointed out test patients with edge cases that could cause confusion**
  - Medication Orders where the author datetime occurs at the end of the relevant period (CYPRESS-2819)
  - Duration calculations that could change when shifting into local time zones at the boundaries of Daylight-saving time. (CYPRESS-2818, CYPRESS-2823)
- **2024.0.1 and 2025.0.1 bundles will be made available addressing these scenarios**

# Medication Order

- Medication Orders where the author datetime occurs at the end of the relevant period (CYPRESS-2819)
  - Medication Orders have been updated by removing unnecessary relevant periods **OR** have been updated to have the author datetime the prior to or at the same time the relevant period begins

## QDM::MedicationOrder

Substance Use Disorder Short Acting Medication

**Codes:**

RXNORM: 351265 - buprenorphine 8 MG Sublingual Tablet

**Time Elements:**

Relevant Period Start: August 3, 2024 8:00am

Relevant Period End: October 4, 2024 8:00am

Author Date/Time: October 4, 2024 8:00am

## QDM::MedicationOrder

Substance Use Disorder Short Acting Medication

**Codes:**

RXNORM: 351265 - buprenorphine 8 MG Sublingual Tablet

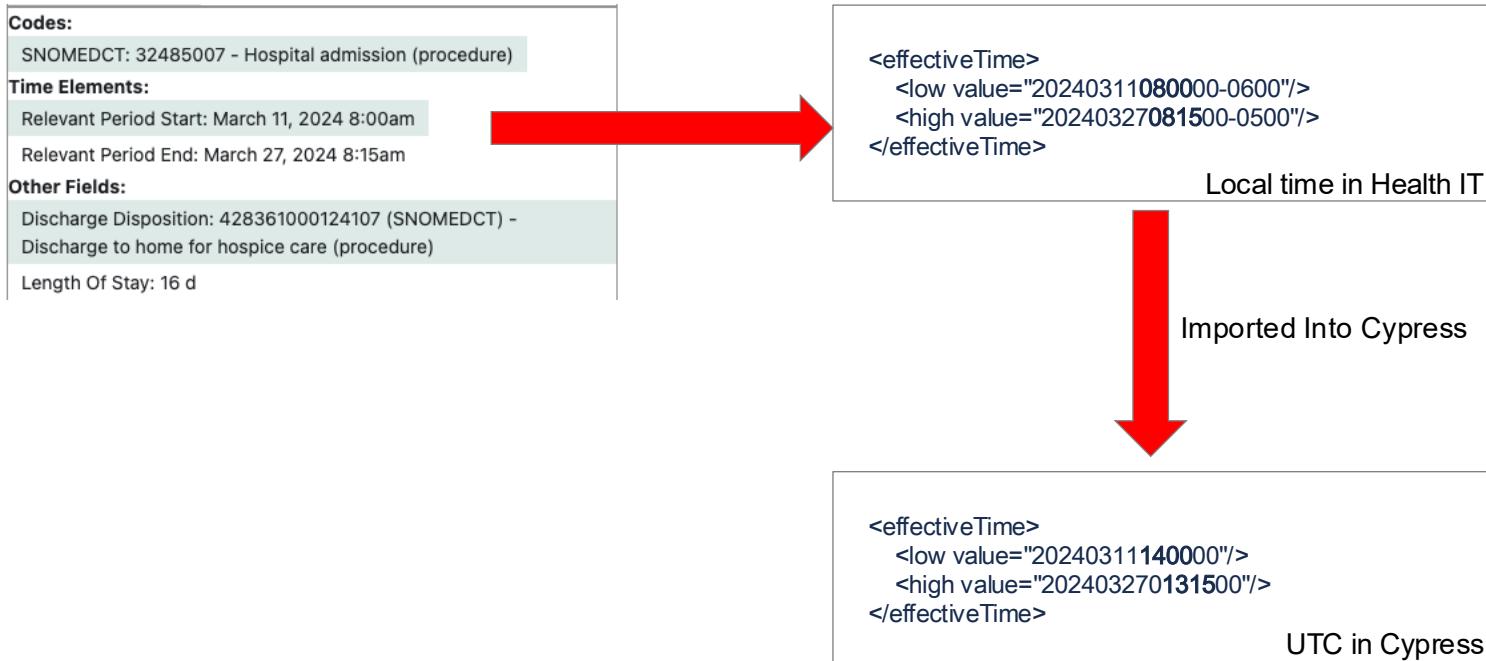
**Time Elements:**

Author Date/Time: October 4, 2024 8:00am

**Other Fields:**

# Encounter Lengths

- Durations can change when shifting into local time zones at the boundaries of Daylight-saving time. (CYPRESS-2818)



# Encounter Lengths (cont'd)

- Encounter end times around the Daylight-Saving boundary have been shifted to make sure calculation remains consistent when the patient is evaluated in the original UTC time zone, or if the patient is shifted into a local time zone

**Codes:**  
SNOMEDCT: 32485007 - Hospital admission (procedure)

**Time Elements:**  
Relevant Period Start: March 11, 2024 8:00am  
Relevant Period End: March 28, 2024 10:15am

**Other Fields:**  
Discharge Disposition: 428361000124107 (SNOMEDCT) - Discharge to home for hospice care (procedure)  
Length Of Stay: 17 d

<effectiveTime>  
  <low value="20240311080000-0600"/>  
  <high value="20240328101500-0500"/>  
</effectiveTime>

Local time in Health IT

Imported Into Cypress

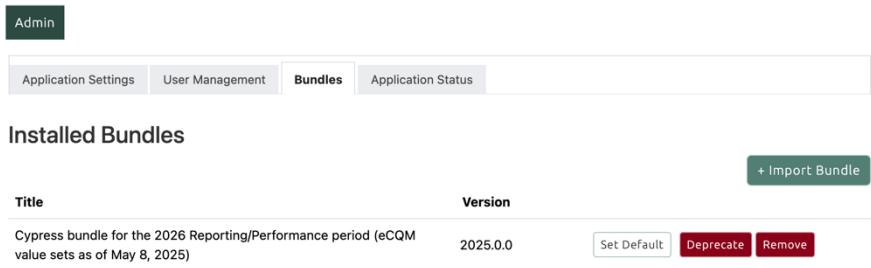
<effectiveTime>  
  <low value="20240311140000"/>  
  <high value="202403280151500"/>  
</effectiveTime>

UTC in Cypress

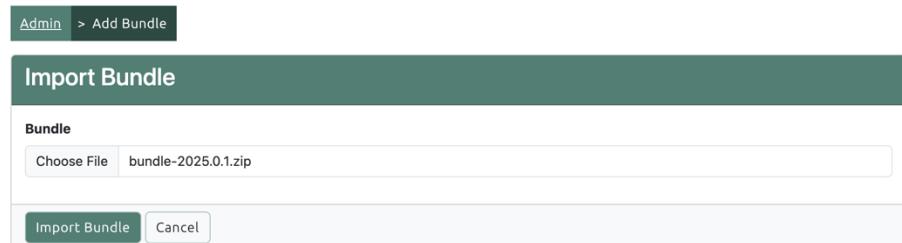
Length of Stay: 17 Days

# Loading an updated Bundle

- **Deprecate existing bundle**
  - All previously created tests with that bundle will remain active (i.e., previously created tests do not need to be redone)
- **Install Updated Bundle**
  - All new tests will use the updated test patients



Title	Version	Actions
Cypress bundle for the 2026 Reporting/Performance period (eCQM value sets as of May 8, 2025)	2025.0.0	<button>Set Default</button> <button>Deprecate</button> <button>Remove</button>



## Recent Issue

# Cypress Known Issues Dashboard

- <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

Filter Results: Cypress Known Bugs 7.3.1			
Summary	2024 Performance Period EC eCQMs	2024 Reporting Period EH/CAH eCQMs	Solution
Question regarding "First SUD Episode During Measurement Period"	CMS0137v12		
1-1 of 1			

# Cypress Versions

Version	Dates	Release Note
V7.4.0	June 18, 2025	Support for the 2026 performance/reporting period eCQMs
V7.4.1	July 31, 2025	Support for the 2026 CMS Implementation Guide for QRDA Category III
V7.4.2	December 4, 2025	Addition of TIN validation

Bundle Version	Dates	Features
2024.0.0	June 20, 2024	Support for the 2025 performance/reporting period eCQMs
2024.0.1	January 29, 2026	Addressing CYPRESS-2819
2025.0.0	June 18, 2025	Support for the 2026 performance/reporting period eCQMs
2025.0.1	January 29, 2026	Addressing CYPRESS-2819, CYPRESS-2818, CYPRESS-2823

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# OPEN DISCUSSION

# Next Cypress Tech Talk

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- Tuesday, February 24, 2026 at 1pm ET
- To join online, visit: <https://mitre.zoomgov.com/j/1605680758>
- To join via phone, dial: 1-551-285-1373
- Meeting Number: 160 568 0758
- Meeting link, as well as a calendar event file, available at:
  - <https://www.healthit.gov/cypress/techtalks.html>

# Notes

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- **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](mailto:project-cypress-talk@googlegroups.com)
- **Report bugs and issues to the Cypress JIRA at**
  - <https://oncprojecttracking.healthit.gov/support/browse/CYPRESS>

# Glossary

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- **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**