

# Cypress Tech Talk

## Cypress™

January 20, 2026



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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

The screenshot shows the 'Results' page for a test run. At the top, it says 'Most Recent - Upload 4 of 4 (in progress)' and 'Refresh View'. Below this, a green bar indicates 'Passed'. On the right, test details are shown: 'Test Date: November 18, 2025 4:49pm', 'Files Uploaded: Archive.zip', and 'Total Test Executions: 4'. In the center, there are links: 'Try the associated QRDA Category III Measure Test', 'Try a different Measure Test', and 'Try a Record Sample'. Below these, a 'Warnings' section lists two files: 'O\_Anita\_Mcguire.xml' and '15\_Kimberly\_Singleton.xml', both with a warning icon. A button 'View Uploaded XML with Errors' is present. At the bottom, a 'Warning message' box states: 'The Provider's TIN should be reported for this measure to support ACO reporting.' with a 'Go To in XML' link.

- The TIN does not match the expected value

The screenshot shows the 'Results' page for a test run. At the top, it says 'Most Recent - Upload 5 of 5 (in progress)' and 'Refresh View'. Below this, a green bar indicates 'Passed'. On the right, test details are shown: 'Test Date: November 18, 2025 4:51pm', 'Files Uploaded: Archive.zip', and 'Total Test Executions: 5'. In the center, there are links: 'Try the associated QRDA Category III Measure Test', 'Try a different Measure Test', and 'Try a Record Sample'. Below these, a 'Warnings' section lists two files: 'O\_Anita\_Mcguire.xml' and '15\_Kimberly\_Singleton.xml', both with a warning icon. A button 'View Uploaded XML with Errors' is present. At the bottom, a 'Warning message' box states: 'Reported TIN 237413058 does not match Expected TIN 237413057. You can configure expected TIN using Vendor Preferences.' with a 'Go To in XML' link.

# 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: 310137

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

C1

Errors

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Warnings

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Execution Date

November 18, 2025 9:51pm

✓ Passing

Next Test: CMS165v14

C2 and C3

Errors

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Warnings

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Execution Date

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[start](#)

- 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

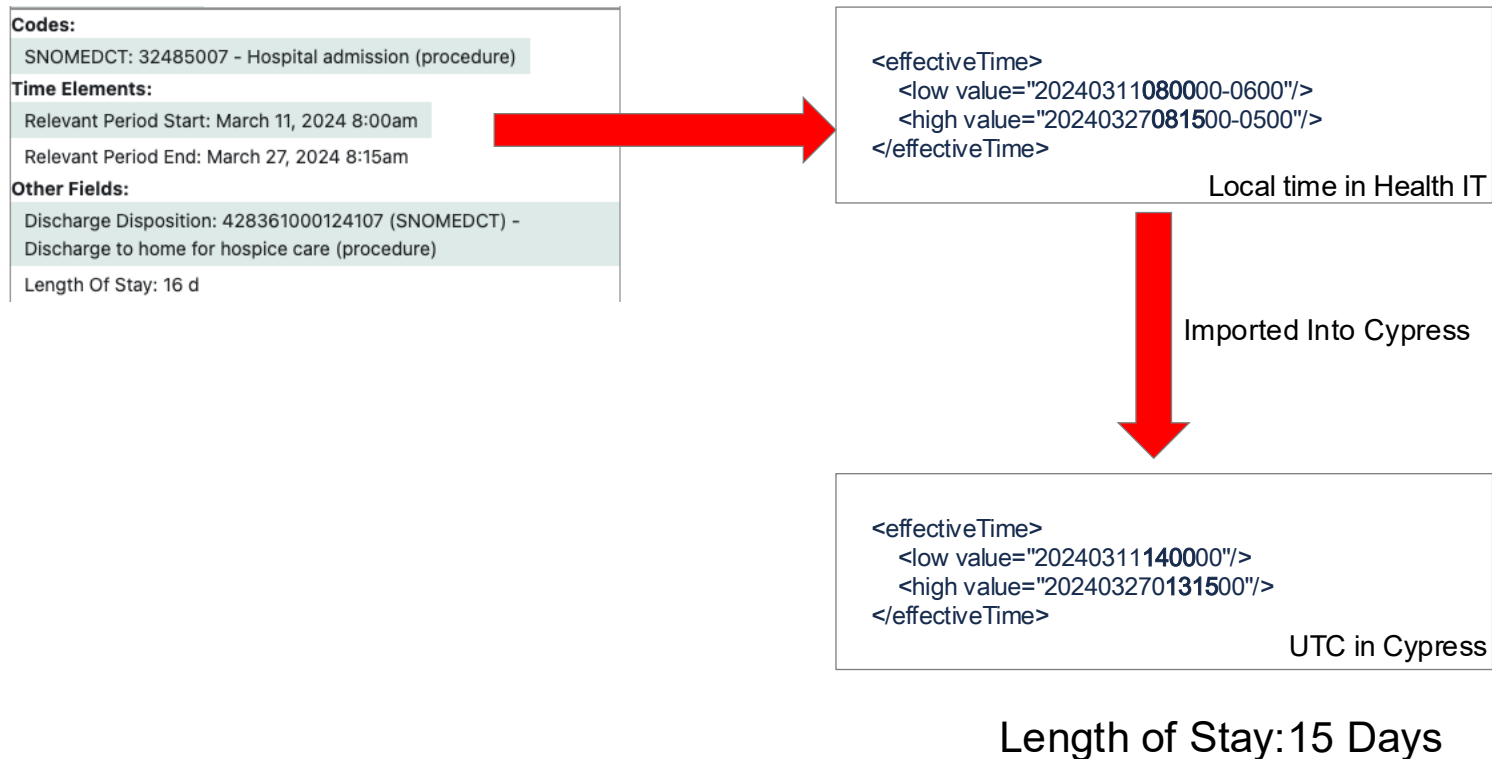
- **Medication Orders where the author datetime occurs at the end of the relevant period (CYPRESS-2819)**
  - Medication Orders have been updated by removing unnecessary relevant periods **OR** have been updated to have the author datetime the prior to or at the same time the relevant period begins

QDM::MedicationOrder
Substance Use Disorder Short Acting Medication
<b>Codes:</b>
RXNORM: 351265 - buprenorphine 8 MG Sublingual Tablet
<b>Time Elements:</b>
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
<b>Codes:</b>
RXNORM: 351265 - buprenorphine 8 MG Sublingual Tablet
<b>Time Elements:</b>
Author Date/Time: October 4, 2024 8:00am
<b>Other Fields:</b>

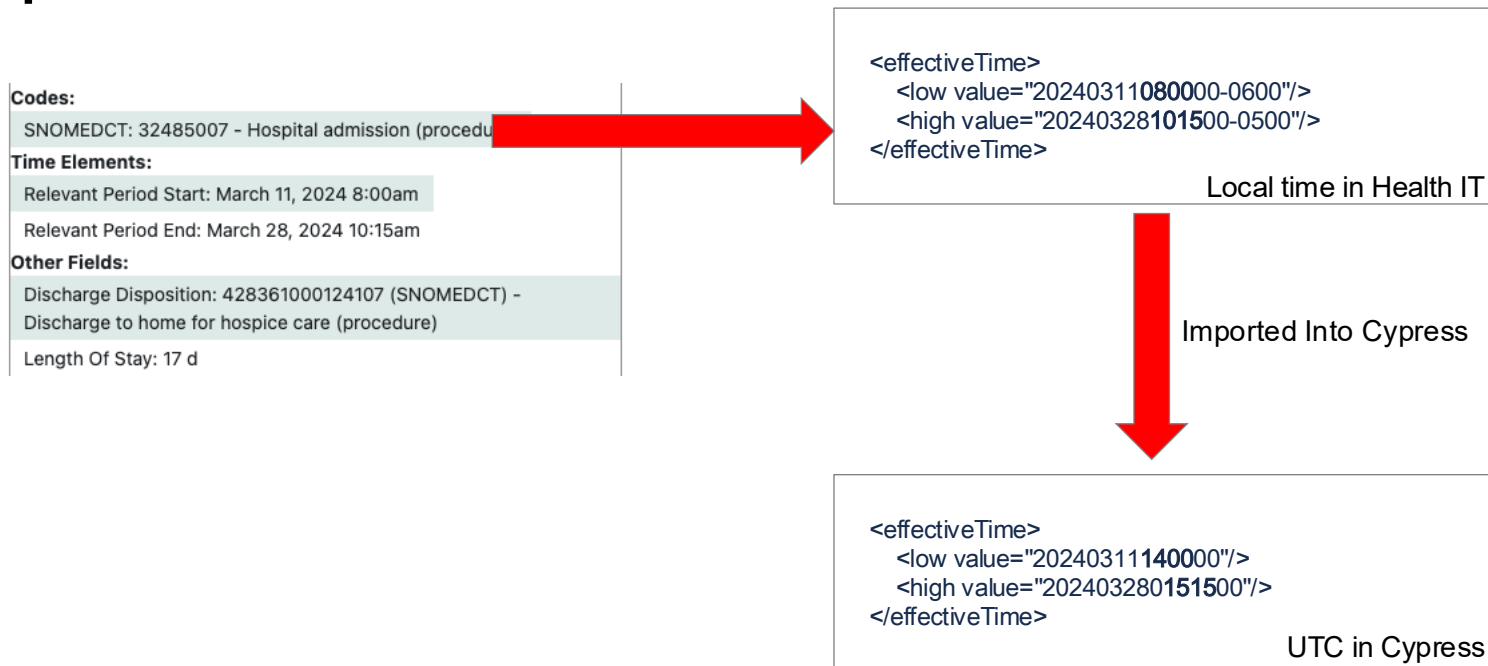
# Encounter Lengths

- 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

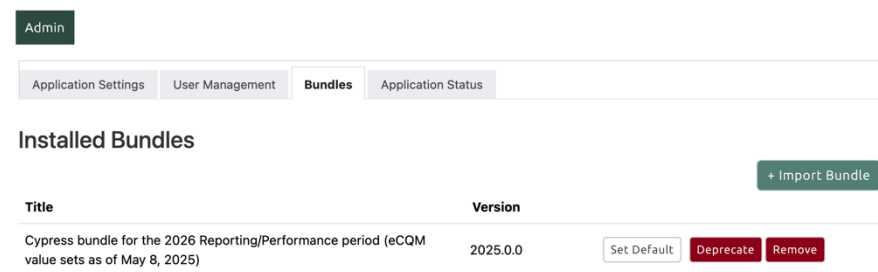


Length of Stay: 17 Days

# Loading an updated Bundle

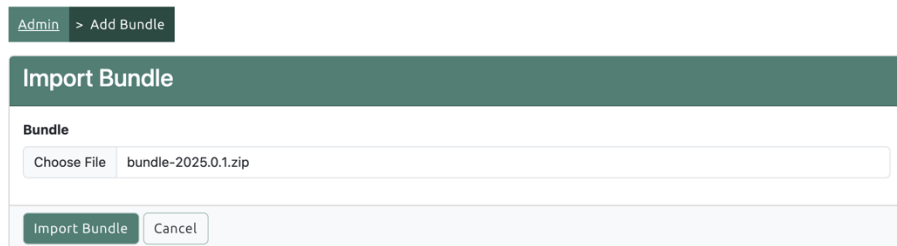
## ■ Deprecate existing bundle

- 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



## 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 eQMs	2024 Reporting Period EH/CAH eQMs	Solution
Question regarding "First SUD Episode During Measurement Period"	CMS0137v12		
1-1 of 1			

# Cypress Versions

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

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

# 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**