

# Cypress Tech Talk

## Cypress™

May 27, 2025



**MITRE**



# Agenda

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- Software Updates
  - Cypress 7.4.0
- 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 7.4 (2026 Annual Update)

- **Release of Cypress 7.4.0 for the 2026 Annual Update planned for 6/19/2025**
- **Cypress Features**
  - Supports the §170.315(c)(1), §170.315(c)(2), §170.315(c)(3), and §170.315(c)(4) certification criteria.
  - For the 2025 and 2026 Reporting Period:
    - Supports validation with Health Level Seven International (HL7) Clinical Document Architecture (CDA®) R2 Implementation Guide: Quality Reporting Document Architecture (QRDA) I, Release 1, Standard for Trial Use (STU) Release 5.3 - US Realm.
    - Supports validation with HL7 CDA® Release 2 Implementation Guide: QRDA III, Release 1
  - Supports the eCQMs for eReporting for the 2025 Reporting Period (eCQM value sets as of May 2, 2024).
  - Supports the eCQMs for eReporting for the 2026 Reporting Period (eCQM value sets as of May 8, 2025).
- **Cypress Validation Utility + Calculation Check (CVU+) Features**
  - Supports validation with the CMS Implementation Guides for QRDA Category I – Implementation Guide for 2025 and 2026.
  - Supports validation with the CMS Implementation Guides for QRDA Category III – Implementation Guide for 2025 and preliminary support for 2026.

# Updated eCQM Specifications and Implementation Resources for 2026 Performance/Reporting Period

- On May 8, CMS posted the electronic clinical quality measure (eCQM) specifications for the 2026 performance/reporting period
- The updated eCQM specifications are available on the [Electronic Clinical Quality Improvement](#) (eCQI) Resource Center for [Hospital - Inpatient](#), [Hospital – Outpatient](#), and [Eligible Clinician](#) pages under the 2026 performance/reporting period.
- The 2026 performance/reporting period eCQM value sets are available through the National Library of Medicine's [Value Set Authority Center \(VSAC\)](#).
- Program Candidate Measure Information
  - Measures that are developed, but not yet finalized for reporting in a CMS program. These measures will not be eligible for CMS quality reporting until they are proposed and finalized through notice-and-comment rulemaking for each applicable program.
  - The 2026 Annual Update includes 2 Eligible Clinician Program Candidate Measures
    - CMS1154v1 - Screening for Abnormal Glucose Metabolism in Patients at Risk of Developing Diabetes
    - CMS1173v1 - Diagnostic Delay of Venous Thromboembolism in Primary Care

# Federal Administrative Sex Value Set

- The eCQMs for the 2026 Reporting Period have been updated to use the Federal Administrative Sex Value Set (2.16.840.1.113762.1.4.1021.121)

Code	Descriptor	Code System	Version	Code System OID
248152002	Female (finding)	SNOMEDCT	2024-09	2.16.840.1.113883.6.96
248153007	Male (finding)	SNOMEDCT	2024-09	2.16.840.1.113883.6.96

- Prior eCQMs had used the ONC Administrative Sex Value Set (2.16.840.1.113762.1.4.1)

Code	Descriptor	Code System	Version	Code System OID
F	Female	AdministrativeGender	3.0.0	2.16.840.1.113883.5.1
M	Male	AdministrativeGender	3.0.0	2.16.840.1.113883.5.1

# Representing Federal Administrative Sex in QRDA

- The HL7 QRDA Implementation Guides restrict the `administrativeGenderCode` element to the codes from the Administrative Gender code system

2. This patient **SHALL** contain exactly one [1..1] `administrativeGenderCode`, which **SHALL** be selected from ValueSet [Administrative Gender \(HL7 V3\)](#)  
urn:oid:2.16.840.1.113883.1.11.1 **DYNAMIC** (CONF:1198-6394).

**Table 289: Administrative Gender (HL7 V3)**

Value Set: Administrative Gender (HL7 V3) urn:oid:2.16.840.1.113883.1.11.1 (Clinical Focus: The gender of a person used for administrative purposes (as opposed to clinical gender)),(Data Element Scope: ),(Inclusion Criteria: All codes in the HL7 V3 AdministrativeGender code system),(Exclusion Criteria: )			
This value set was imported on 9/29/2020 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion</a>			
Code	Code System	Code System OID	Print Name
F	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Female
M	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Male
UN	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Undifferentiated

- The SNOMED CT codes must be expressed in the QRDA files using `nullFlavor="OTH"`

```
<administrativeGenderCode nullFlavor="OTH">
  <translation code="248153007" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMEDCT"/>
</administrativeGenderCode>
```

## Recent Issue

# Cypress Known Issues Dashboard

- <https://oncprojecttracking.healthit.gov/support/secure/Dashboard.jsps?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>V7.2.2</b>	<b>February 8, 2024</b>	Removed references to certification editions
<b>V7.3.0</b>	<b>June 20, 2024</b>	Support for the 2025 performance/reporting period eQMs
<b>V7.3.1</b>	<b>August 1, 2024</b>	Support for the 2025 CMS Implementation Guides for QRDA Category III
<b>V7.3.2</b>	<b>January 16, 2025</b>	Supports updated 2025 CMS Implementation Guides for QRDA Category III

Bundle Version	Dates	Features
<b>2023.0.0</b>	<b>June 22, 2023</b>	Measures and patients released in 2023 for the 2024 reporting year.
<b>2024.0.0</b>	<b>June 20, 2024</b>	Support for the 2025 performance/reporting period eQMs



# OPEN DISCUSSION

# Next Cypress Tech Talk

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- Tuesday, June 24, 2025 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**