



CY 2024 Real World Testing Report for Pulse

Executive Summary

This is the test report for CY 2024 real world testing for our Pulse certified EHR. This is the companion document to our CY 2024 real world test plan that described our approach for conducting real world testing in CY 2024 and the testing measures we employed.

Our findings show that EHR is working as it was certified. For each our CY 2024 Real World Testing Measures, we have recorded our results and findings. We did not discover any non-conformities or errors.

Our signed attestation of compliance with the real world testing requirements is on the following page.



Developer Attestation

This Real World Testing report is complete with all required elements, including measures that address all certification criteria and care settings. All information in this plan is up to date and fully addresses the health IT developer's Real World Testing requirements.

Authorized Representative Signature: *Jennifer Barnhill*

DATE 2/4/2025



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General Information

Plan Report ID Number: Pulse-RWT-2024

Developer Name: Pulse Systems, Inc

Product Name(s): Pulse EHR

Version Numbers(s): 8.02 and 8.01

NOTE – Version 8.02 and 8.01 are inherited from version 8.0 which was listed in CY 2024 RWT Test Plan

Certified Health IT Criteria: 315(b)(1)-(3), (b)(6), (c)(1), (f)(1), (f)(3), (g)(7), (g)(9), (g)(10), (h)(1)

Product List (CHPL) ID(s) and Link(s):

- Version 8.02
 - 15.04.04.2837.Puls.08.03.1.240806
 - <https://chpl.healthit.gov/#/listing/11500>
- Version 8.01
 - 15.04.04.2837.Puls.08.02.1.231206
 - <https://chpl.healthit.gov/#/listing/11391>

Developer Real World Testing Page URL: <https://harrisambulatory.com/pulse-real-world-testing/>



Timeline and Milestones for Real World Testing CY 2024

- Milestone 1Q-2024: 1Q-2024: Health IT system is fully enabled for use in real world testing.
 - STATUS: MET
- Milestone 3Q 2024. Begin making plans to collect data for RWT measures. If necessary, engage clients to ask for their support and participation in real world testing.
 - STATUS: MET
- Milestone 4Q-2024. During the last quarter of the year, the CY 2024 real world test plan will be completed according to ONC and ONC-ACB requirements and expectations. Test plan will be prepared for submission.
 - STATUS: MET
- Milestone 1Q-2025. Submit RWT Test Report to ONC-ACB.
 - STATUS: MET



Standards Version Advancement Process (SVAP) Updates

For CY 2024 RWT testing, we did not do any SVAP updates but used the current standards required in the certification criteria.

Standard (and version)	All standards versions are those specified in certification criteria.
Date of ONC-ACB notification (SVAP or USCDI)	N/A
Date of customer notification (SVAP only)	N/A
USCDI-updated certification criteria (and USCDI version)	The plan documents the support of all USCDI v1 data elements.



RWT Measure #1. Number of Transition of Care C-CDAs Successfully Sent

Associated Criteria: 315(b)(1), 315(h)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are created and successfully sent from the Health IT Module to a 3rd party during a transition of care event over the course of a given interval.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we selected two practices with different specialties: one focused on infectious disease and the other providing orthopedic care.

Testing Results

Clinics Queried: 2

Providers Tested: 14

Testing Interval: 6 Months

Testing Metric/Measurement: Number of C-CDA Successfully Sent

Total C-CDA Sent for both Clinics: 14

Analysis and Key Findings

Our clients do not regularly share data through C-CDA files so we only have a few records of exchanged C-CDAs. To supplement this, we did conformance test in RWT Measure #9 with the ONC C-CDA Scorecard to verify our Module functionality is still working as certified.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any changes to this measure from our original test plan.



RWT Measure #2. Number of C-CDAs Received and/or Incorporated

Associated Criteria: 315(b)(2)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are successfully received and/or incorporated upon receipt from a 3rd party via Direct messaging during a transition of care event over the course of a given interval.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we selected two practices with different specialties: one focused on infectious disease and the other providing orthopedic care.

Testing Results

Clinics Queried: 2

Providers Tested: 14

Testing Interval: 6 Months

Testing Interval: 3 Months

Testing Metric/Measurement: Number of C-CDAs Received and/or Incorporated

Total C-CDA Received for all Clinics: 0

Analysis and Key Findings

Our clients do not regularly share data through C-CDA files so we do not have any records of received C-CDAs. To supplement this, we did conformance testing internally in a production-adjacent environment and verified our Module functionality is still working as certified.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any changes to this measure from our original test plan.



RWT Measure #3. Number of NewRx Prescriptions Messages Successfully Sent

Associated Criteria: 315(b)(3)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many NewRx electronic prescriptions were created and successfully sent from the Health IT Module to a pharmacy destination over the course of a given interval.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we selected two practices with different specialties: one focused on infectious disease and the other providing orthopedic care.

Testing Results

Clinics Queried: 2

Providers Tested: 14

Testing Interval: 6 Months

Testing Interval: 3 Months

Testing Metric/Measurement: Number of NewRx Prescriptions Messages Sent

Total for both Clinics: 1050

Analysis and Key Findings

Our electronic prescribing functionality is very popular and widely used with nearly 100% of all eligible prescriptions sent electronically. It also showed our integration with our relied upon software Surescripts ePrescribing was working as intended.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any changes to this measure from our original test plan.



RWT Measure #4. Number of CancelRx Prescriptions Messages Successfully Sent

Associated Criteria: 315(b)(3)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many CancelRx electronic prescriptions were created and successfully sent from the Health IT Module to a pharmacy destination over the course of a given interval.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we selected two practices with different specialties: one focused on infectious disease and the other providing orthopedic care.

Testing Results

Clinics Queried: 2

Providers Tested: 14

Testing Interval: 6 Months

Testing Metric/Measurement: Number of CancelRx Prescriptions Messages Sent

Total for all Clinics: 0

Analysis and Key Findings

While creating new prescriptions electronically is very common, our providers are not using the electronic cancel prescription functionality in their normal workflows as it is not a common need. However, we did test our ePrescribing functionality also in RWT Measure #3, and we believe functionality is fully working as is our integration with our relied upon software Surescripts ePrescribing.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any changes to this measure from our original test plan.



RWT Measure #5. Number of Patient Batch Exports Run

Associated Criteria: 315(b)(6)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many batch exports of C-CDAs were successfully performed by the Health IT Module over the course of a given interval.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we selected two practices with different specialties: one focused on infectious disease and the other providing orthopedic care.

Testing Results

Clinics Queried: 2

Providers Tested: 14

Testing Interval: 6 Months

Testing Metric/Measurement: Number of Batch C-CDAs Exports Run

Total C-CDA Sent for all Clinics: 0

Analysis and Key Findings

Our clients do not regularly share data through C-CDA files so we do not have any records of batch export C-CDAs. To supplement this, we did conformance testing internally in a production-adjacent environment and verified our Module functionality is still working as certified. We exported out C-CDAs and tested them in our RWT Measure #9 which is included in this report.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any changes to this measure from our original test plan.



RWT Measure #6. Number of Quality Measures Successfully Reported on to CMS

Associated Criteria: 315(c)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure tracks and counts how many eCQM quality measures were successfully reported on by the Health IT Module to CMS during their submission period for MIPS Quality reporting.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we selected four practices with different specialties: one with urology, another focused on infectious disease, the third on surgery specialists, one with orthopedic care, and then two with vascular care.

Testing Results

Clinics Queried: 8

Providers Tested: 38

Testing Interval: 12 Months

Testing Metric/Measurement: Number Quality Measures Reported

eQMs Submitted from Pulse: CMS 2v13, CMS 50v12, CMS 68v13, CMS 138v12, CMS 139v12, CMS 156 v12, CMS 165v12, CMS 249v6

Analysis and Key Findings

We chose several practices to see what quality measures they reported to CMS. Each of our practices and their providers submitted six measures successfully. All selected five common measures, but there was variety of selections for their sixth measures.

Measures CMS 68v13, CMS 138v12, CMS 139v12, CMS 156 v12, and CMS 249v6 were used by all seven practices and their providers. However, two practices used CMS 2v13, four of the practices used CMS 50v12, another practice used CMS 22v12, and the last one used CMS 165v12. They reported various scores showing ability to calculate numerator, denominator, denominator exclusions, and denominator exceptions according to the measure logic.



Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any changes to this measure from our original test plan.



RWT Measure #7. Engagement with IIS/Immunization Registries

Associated Criteria: 315(f)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many immunization registries are connected and engaged with bi-directional exchange capabilities with the Health IT Module.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we selected two practices with different specialties: one focused on infectious disease and the other providing orthopedic care.

Testing Results

Clinics Queried: 2

Providers Tested: 14

Testing Metric/Measurement: Number of IIS/Immunization Registries Engaged With

Total: 2 PHAs (one for each clinic)

Analysis and Key Findings

Our results reveal our Health IT Module functionality is working as expected.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any notable changes from our documented RWT Test Plan in our testing methods or metrics.



RWT Measure #8. Engagement with Electronic Reportable Lab Registries

Associated Criteria: 315(f)(3)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many electronic reportable lab registries are connected and engaged with bi-directional exchange capabilities with the Health IT Module.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we looked at our entire network of customers.

Testing Results

Testing Metric/Measurement: Number of IIS/Immunization Registries Engaged With

Total: 0 PHAs

Analysis and Key Findings

We have started working with the US CDC [AIMS Platform](#) for electronic case reporting integration. However, none of our practices or providers have asked to onboard electronic case reporting with their local or state case reporting registry at this time. Given our efforts with the AIMS team, we believe our eCR functionality is compliant and our relied upon software of the eCR FHIR Now App (Version 3.0) and EMR Direct (version 1.0) is working.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any notable changes from our documented RWT Test Plan in our testing methods or metrics.



RWT Measure #9. Compliance of C-CDA Creation and C-CDA Scorecard Average

Associated Criteria: 315(b)(1)

Testing Methodology: Compliance and Tool

Measurement Description

This measure is tracking compliance the Health IT Module criteria functionality of creating a C-CDA and measuring its C-CDA Scorecard average.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them.

Testing Results and Changes for this Measure from Original RWT Test Plan

Testing Metric/Measurement: C-CDA Creation and C-CDA Scorecard Average Metric

Tested multiple C-CDA Records.

Average Scorecard Result – 68 out of 100

Errors Detected – 0

Analysis and Key Findings

This test was done using simulated patient data in mirrored production settings. Our score is unchanged from last year, but given Our results reveal this certified Health IT Module is working as certified and scores at slightly below average value compared to the industry benchmark.

The ONC's funded [C-CDA Scorecard](#) examines C-CDA compliance and best practice design. Our score remains the same as last year, but this can be considered an improvement given the discussion on the [ONC C-CDA validation elist](#) that the Scorecard's methodology is perhaps too harsh and limits the upper range of what is realistic for most production C-CDAs. Given this discussion and also that we did not change our C-CDA functionality within the last year, we believe our C-CDA creation capabilities are still within compliance with the ONC certification program rules.



Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities.



RWT Measure #10. Number of applications/3rd party systems using API capabilities

Associated Criteria: 315(g)(7), (g)(9)-(g)(10)

Testing Methodology: Reporting/Logging and Survey/Self-Test

Measurement Description

This measure will determine how many 3rd party systems or applications are integrated and using the EHR's FHIR API interface. This measure will allow us to verify our certified API is working with 3rd party applications to access USCDI patient data.

Care Settings

Our EHR supports a variety of care settings including family practice, internal medicine, general practice, pediatrics, and other settings in ambulatory care. However, our EHR works the same for all ambulatory practices, and the RWT measures are applicable for all of them. For this measure, we looked at our entire network of customers.

Testing Results

Clinics Queried: 2

Providers Tested: 14

Testing Metric/Measurement: Number of 3rd party applications using FHIR API with EHR

Result: 1 API applications

Analysis and Key Findings

Currently, the only FHIR app we have done testing with is the eCR FHIR Now App, but we have not finished the full integration with the eCR AIMS Platform. However, the work we have done with this app gives us confidence that our FHIR server is working in production setting.

Non-Conformities or Errors Discovered

During our testing, we did not discover any errors or criteria non-conformities. We did not make any notable changes from our documented RWT Test Plan in our testing methods or metrics.