

# athenaPractice 2024 Real World Test Results (v22 and v23)

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#### **General Information**

Plan Report ID Number: [For ONC-Authorized Certification Body use only]

Developer Name: athenahealth, Inc Product Name(s): athenaPractice

Version Number(s): v22 (withdrawn), v23 (withdrawn), v24 Product List (CHPL) ID(s): 15.04.04.2880.prac.24.06.1.241222

Withdrawn Product List (CHPL) ID(s): 15.04.04.2880.prac.22.04.1.220621; 15.04.04.2880.prac.23.05.1.230403

Developer Real World Testing Page URL: https://www.athenahealth.com/onc-certified-health-it

# Justification for Real World Testing approach

At this time, athenaPractice v22 and v23 are certified Electronic Health Records (EHR) that are sold to primary care, specialty and multi-specialty ambulatory groups. Functionality within the EHR greatly overlaps regardless of care setting, but the Real World Testing plan aims to incorporate data from as diverse a set of these settings as is possible.

As all of the certification criteria apply broadly to the care settings noted above, the Real World Testing plan will incorporate several certification criteria into one plan:

- §170.315(b)(1) Transitions of Care
- §170.315(b)(2) Clinical Information Reconciliation and Incorporation
- §170.315(b)(3) Electronic Prescribing
- §170.315(b)(9) Care Plan
- §170.315(b)(10) Electronic Health Information Export
- §170.315(c)(1) CQMs Record and Export
- §170.315(c)(2) CQMs Import and Calculate
- §170.315(c)(3) CQMs Report
- §170.315(e)(1) View, Download, and Transmit to 3<sup>rd</sup> Party



- §170.315(f)(1) Transmission to Public Health Agencies Immunization Registry
- §170.315(f)(2) Transmission to Public Health Agencies Syndromic Surveillance
- §170.315(f)(5) Transmission to Public Health Agencies Electronic Case Reporting
- §170.315(g)(7) Application Access Patient Selection
- §170.315(g)(9) Application Access All Data Request
- §170.315(g)(10) Standardized API for patient and population services
- §170.315(h)(1) Direct Project



# Standards Updates (SVAP and USCDI)

Standard (and version)	All standards versions are as specified in regulation except for:
	§170.315(c)(3) – CQMs – Report
	CMS Implementation Guide for Quality Reporting Document Architecture:
	Category III; Eligible Clinicians and Eligible Professionals Programs;
	Implementation Guide for 2024
Date of ONC-ACB notification	January 2025 (next quarterly attestation)
(SVAP or USCDI)	
Date of customer notification	July 2024
(SVAP only)	
USCDI-updated criteria	Not applicable

# Care Setting(s)

See summary of supported care settings listed in the "Justification for Real World Testing Approach" section.

# **Overall Expected Outcomes**

- Real World Testing will demonstrate that the EHR is conformant to the criteria listed in the "Justification for Real World Testing" section.
- See below for measures and outcomes associated with the use cases associated with the listed certification criteria.



#### Measure Used

Use Case 1 – During the course of ambulatory care, providers share patient records (CCDAs) with each other and where appropriate, reconcile key clinical data elements into the chart.

Certification Criteria	Relied Upon Software	Requirement
§ 170.315 (b)(1) Transition of care	<ul> <li>Medical Office Technologies ezAccess         Patient Portal OR     </li> <li>Medical Office Technologies ezAccess Direct         Messaging OR     </li> <li>MedAllies HISP AND</li> <li>Qvera Interface Engine</li> </ul>	(i) Send and receive via edge protocol  (ii) Validate and display  (iii) Create
§ 170.315 (b)(2) Clinical information reconciliation and incorporation	Qvera Interface Engine	(i) General requirements (iii) Reconciliation
§ 170.315 (b)(9) Care plan	N/A	Enable a user to record, change, access, create, and receive care plan information in accordance with the Care Plan document template
§ 170.315 (h)(1) Direct project	<ul> <li>Medical Office Technologies ezAccess         Patient Portal OR     </li> <li>Medical Office Technologies ezAccess Direct         Messaging OR     </li> <li>MedAllies HISP AND</li> <li>Qvera Interface Engine</li> </ul>	(i) Applicability Statement for Secure Health Transport  (ii) Delivery Notification in Direct

<u>Measure 1: Create and send a CCDA:</u> This measure will evaluate the creation and sending of required CCDAs (Referral Note, CCD) at scale across many providers using athenaPractice in a live production environment.

- <u>Justification:</u> A statistically significant sample size of CCDAs generated and sent by athenaPractice spanning multiple organizations with expected errors will validate successful use in the real world.
- <u>Test Methodology:</u> System logs will be evaluated for the required types of CCDAs that were created and sent.
- Expected Outcomes: Success is defined as CCDAs of the required types successfully being created and sent via Direct with expected errors (e.g., invalid direct address, no response from receiver, etc.)

<u>Measure 2: Receive and display a CCDA</u> – This measure will demonstrate EHR ability to receive and display a CCDA of the required types (Referral Note, CCD, Care Plan) in a live production environment.

• <u>Justification:</u> Two sub-measures will be evaluated: 1) A manual evaluation of examples of each required type of CCDA (Referral Note, CCD and Care Plan) will show that athenaPractice can successfully receive and display CCDAs. 2) An evaluation of a statistically significant number of CCDAs received by providers using athenaPractice spanning multiple organizations will validate successful use in the real world.



- <u>Test Methodology:</u> 1) Examples of CCDAs of each type will be randomly selected for manual review spanning various care settings in the athenaPractice network. 2) System logs will be evaluated to identify CCDAs that were successfully received.
- Expected Outcomes: Success is defined as:
  - 1) Chosen examples are successfully received and displayed.
  - 2) CCDAs successfully received via Direct.

<u>Measure 3: Receive and reconcile a CCDA</u> – This measure will demonstrate EHR ability to receive and reconcile required CCDAs (Referral Note, CCD) in a live production environment.

- <u>Justification:</u> An evaluation of reconciliation use spanning a statistically significant number of active users spanning multiple organizations will validate successful use in the real world.
- <u>Test Methodology:</u> System logs will be evaluated to determine the number of users that successfully reconcile at least one CCDA using CEHRT.
- Expected Outcomes: A high number of users successfully use CEHRT to receive and reconcile data into patient charts.

#### **Use Case 1 Outcomes**

No Changes from plan.

Measure	Outcomes	Ch	allenges
1: Create and send a CCDA	Review of audit logs of Direct transactions via the	•	Unable to break data out
	following HISP's yielding these results:		by CCDA document type
	ezAccess: 2005 total messages and 52 failures for ten		
	customers during the period of 6/1/24 to 12/1/24.		
	Ex: Bad address, bad email, connection errors.		
	<b>MedAllies:</b> 8,847 total messages and 3,234 failures across		
	five customers during the period of 5/1/24-7/31/24.		
	Most failures are due to users attempting to send to an		
	invalid direct address, firewall, direct certificate, or non-		
	response at receiver API.		
2: Receive and display a CCDA	Sub-measure 1: An example Referral Note, Care Plan	•	Unable to break data out
	and CCD were successfully received and displayed in		by CCDA document type
	athenaPractice, yielding a success rate of 100%.		
	Sub-measure 2: Review of audit logs of Direct		
	transactions via the following HISP's yielded these		
	results:		
	ezAccess: 19,342 total messages received for ten		
	customers during the period of 6/1/24 to 12/1/24.		
	MedAllies: 88,631 total messages and 5,612 failures		
	across 19 customers and two former customers during a		
	period of 5/1/24- 7/31/24.		



	Most failures are due to firewall, Direct certificate, or non-response at receiver API.	
3: Receive and reconcile a	Review of audit logs for 05/04/24 – 06/23/24 for 16	N/A
CCDA	customers yielded validation that 75 unique providers reconciled at least one item from a CCDA.	
	reconciled at least one term from a CCDA.	

Use Case 2 – During the course of ambulatory care, patients access a copy of their record (CCDs) for viewing, downloading and/or transmitting.

Certification Criteria	Relied Upon Software	Requirement
§ 170.315 (e)(1) View, download, and transmit to 3 <sup>rd</sup> party	<ul> <li>Medical Office Technologies         ezAccess Patient Portal OR</li> <li>Medical Office Technologies         ezAccess Direct Messaging</li> </ul>	(i) (A) View (i)(B) Download (i)(C) Transmit to third party
§ 170.315 (h)(1) Direct project	<ul> <li>Medical Office Technologies         ezAccess Patient Portal OR</li> <li>Medical Office Technologies         ezAccess Direct Messaging OR</li> <li>MedAllies HISP AND</li> <li>Qvera Interface Engine</li> </ul>	(i) Applicability Statement for Secure Health Transport  (ii) Delivery Notification in Direct

<u>Measure 1: Validate user behavior around view actions</u> – This measure will demonstrate the ability for a patient to preview a CCD document template in a live production environment of their patient portal.

- Justification: The CCD document template contains all required data elements in § 170.315 (e)(1)(i)(A).
- <u>Test Methodology:</u> System logs will be evaluated to identify successful CCD document views in the patient portal.
- Expected Outcomes: Success is defined by the number of successful CCD document views.

<u>Measure 2: Validate user behavior around download actions</u> – This measure will demonstrate the ability for a patient to download a CCD document template in a live production environment of their patient portal.

- <u>Justification:</u> An evaluation of a statistically significant number of CCD document downloads spanning multiple organizations will demonstrate the successful real-world use of the download feature.
- <u>Test Methodology:</u> System logs will be evaluated to identify successful CCD document downloads in the patient portal.
- Expected Outcomes: Success is defined by the number of successfully download CCD documents.

<u>Measure 3: Validate user behavior around transmit actions</u> – This measure will demonstrate the ability for a patient to transmit a CCD document template to a third party in a live production environment of their patient portal.

- <u>Justification:</u> An evaluation of a statistically significant number of CCD document transmissions spanning multiple organizations will demonstrate the successful real-world use of the transmit feature.
- <u>Test Methodology:</u> System logs will be evaluated to identify the volume of successful CCD document transmits in the portal. The analysis will break out use of transmission via either Direct or email.
- Expected Outcomes: Success is defined as:



- CCD documents successfully sent via Direct with expected errors (e.g., invalid Direct address, lack of response, etc.)
- o CCD documents successfully sent via email with expected errors (e.g., invalid email address, etc.)

#### **Use Case 2 Outcomes**

No Changes from plan.

Measure	Outcome	Challenges
1: Validate user	Review of audit logs of patient views via the ezAccess Portal	N/A
behavior around view	yielded 158,145 views for ten customers during the period of	
actions	6/1/24 to 12/1/24.	
2: Validate user	Review of audit logs of patient downloads via the ezAccess	N/A
behavior around	Portal yielded 2,656 downloads for ten customers during a	
download actions	period of 6/1/24 to 12/1/24.	
3: Validate user	Review of audit logs of patient transmits via the ezAccess	N/A
behavior around	portal yielded the following results:	
transmit actions		
	<b>Transmit via Email:</b> 1641 transmits for ten customers during	
	the period of 6/1/24 to 12/1/24.	
	<b>Transmit via Direct:</b> 165 transmits for ten customers during	
	the period of 6/1/24 to 12/1/24.	
	There were nine errors spanning both email and Direct, with	
	most due to Direct address being invalid.	

Use Case 3 – EHR users export Electronic Health Information (EHI) for one or many patients for the purpose of sharing with providers, patients or moving bulk data to another EHR.

Certification Criteria	Relied Upon Software	Requirement	
§ 170.315 (b)(10)Electronic	Qvera Interface Engine	(i) General requirements for export	
health information export		summary configuration	
		(ii) Creation	
		(iii) Timeframe configuration	
		(iv) Location configuration	

<u>Measure 1: Single/Multi patient export</u> – This measure will assess functionality used to export EHI for a single patient and multiple patients in a production environment.



- <u>Justification:</u> The evaluation of statistically significant number of exports by users spanning multiple organizations using athenaPractice will demonstrate the real-world utility of the data export.
- <u>Test Methodology:</u> System logs will be reviewed to determine the volume of exports generated in various configurations (e.g., single-patient, multi-patient, etc.) and only by authorized users.
- Expected Outcomes: Only authorized users will be able to successfully create export summaries and there will be evidence of successful exports using various configurations (e.g., single-patient, multi-patient, etc.)

#### **Use Case 3 Outcomes**

No Changes from plan.

Measure	Outcome	Challenges
1: Single/Multi	Due to lack of production data	None of the athenaPractice customers are using EHI
patient export	representing the use of this feature, an internal validation of the feature was successfully executed in a test environment with test data, yielding a success rate of 100%.	Export

#### Use Case 4 – Clinicians electronically prescribe medications.

Certification Criteria	Relied Upon Software	Requirement
§ 170.315 (b)(3) Electronic	Dr First Rcopia	(i)(A) Enable a user to perform the following prescription-related
prescribing		electronic transactions
		(i)(C) For the following transactions, the technology must be able to
		receive and transmit the reason for the prescription

<u>Measure 1: Transaction success rates</u> – This measure will evaluate successful use of required eRx transaction types in a production environment.

- <u>Justification:</u> A statistically significant sample size of electronic prescriptions spanning multiple organizations using athenaPractice will demonstrate the real-world utility of the feature
- <u>Test Methodology:</u> System logs will be reviewed to determine frequency of errors for each transaction type.
- <u>Expected Outcomes:</u> Transactions are successfully delivered with expected errors (e.g., pharmacy does not support electronic transactions) and achieve the following transaction success rates. Data validation errors are prevented, or end user is notified of errors when appropriate:
  - o NewRx 99%
  - o RxChange 90%
  - CancelRx 98%
  - o RxRenewal 97%
  - o RxFill 100%



o Medication History – 99%

# **Use Case 4 Outcomes**

No Changes from plan.

Measure	Outcomes	Challenges
1: Transaction	Review of audit logs of all athenaPractice customers yielded the	N/A
success rates	following results:	
	• Range: 1/1/24 – 6/30/24	
	NewRx: 99.45% success rate	
	<ul> <li>CancelRx: 99.26% success rate</li> </ul>	
	RxRenewal: 98.52% success rate	
	<ul> <li>Medication History: 100% success rate</li> </ul>	
	RxFill: 100% success rate	
	<ul> <li>Range: 05/07/24 - 08/03/24</li> </ul>	
	RxChange: 99.63% success rate	
	Notes on analysis:	
	Prescriber responses to a RxChange request from the pharmacy with a response	
	resulted in successful transmission are considered numerator Compliant.	
	Transmission statuses considered for numerator compliance:	
	Message type not supported by sender	
	NCPDPID does not match header value	
	Patient DOB does not match with the request	
	Pharmacy already processed Rx. Response not accepted	
	Pharmacy: telephone number is invalid	
	Prescriber: telephone number is invalid	
	Prescription no longer active	
	• PSUD	
	Request has been canceled prior to response. Response not processed.	
	Response does not match the request sent	
	The system does not accept EPCS RxChange Response messages	
	Unable to associate Response to Request	
	UNABLE TO DELETE FROM PENDING	

Use Case 5 – EHR users generate QRDA files that comply with the latest specifications for submission to CMS and other quality reporting needs.

<b>Certification Criteria</b>	Relied Upon Software	Requirement
§ 170.315 (c)(1) CQMs -	Qvera Interface Engine	(i) Record
record and export		(ii) Export
	N/A	(i) Import



§ 170.315 (c)(2) CQMs –		(ii) Calculate each and every clinical quality measure
import and calculate		
§ 170.315 (c)(3) – report	N/A	Enable a user to electronically create a data file for transmission

<u>Measure 1: eCQM calculation success rates</u> – This measure will validate the correct calculation of implemented eCQMs relative to measure specifications.

- <u>Justification:</u> Using live customer data to validate the accurate calculation of eCQMs is difficult due to the variability of data inputs. A better approach is to have a controlled production-grade environment with known eCQM data inputs that can be regularly run to evaluate the accurate calculation of the eCQMs over time.
- <u>Test Methodology:</u> A comprehensive test tool previously developed by the EHR vendor for the same purpose will be
  leveraged to assure the accurate calculation of eCQMs. We will leverage the end-to-end testing framework for eCQMs
  using production test cases for each scenario (namely IPP, Denominator, Numerator, Exclusions and Exceptions) and the
  various workflows which satisfy in EHR.
- Expected Outcomes: Test cases pass with expected errors (e.g., due to known specification gap, etc.)

<u>Measure 2: QRDA file export conformance</u> – This measure will validate successful user generation of QRDA I and QRDA III files using athenaPractice.

- <u>Justification:</u> Evidence of QRDA I and III files generated by athenaPractice spanning multiple organizations will validate successful use in the real world.
- <u>Test Methodology:</u> System logs will be evaluated to determine the count of practices that have created at least one QRDA I/III file.
- Expected Outcomes: Success is defined as evidence of QRDA I/III file generation by users.

<u>Measure 3: QRDA file import conformance</u> – This measure will assess the use of the athenaPractice QRDA I import feature using a QRDA I file created in a different EHR.

- <u>Justification:</u> The ability for athenaPractice to successfully import a QRDA I file generated by a different EHR that is also certified to the CQM criteria will demonstrate the real-world utility of the QRDA I import feature.
- <u>Test Methodology:</u> System logs will be evaluated to determine the count of practices that have imported at least one QRDA I file.
- Expected Outcomes: Success is defined as evidence of QRDA I file import by users.

#### **Use Case 5 Outcomes**

No changes from plan.

Measure	Outcome	Challenges
1: eCQM calculation success rates	100% of 279 automated tests and 231 manual tests	N/A
	returned successfully.	
2: QRDA file export conformance	33 customers exported a QRDA I/III file at least one	N/A
	time in 2024.	
3: QRDA file import conformance	One customer has imported at least one QRDA I file	N/A
	using the import feature in 2024.	



Use Case 6 – Data is appropriately triggered and submitted to relevant public health agencies.

Certification Criteria	Relied Upon Software	Requirement
§ 170.315 (f)(1) Transmission to	Qvera Interface Engine	(i) Create immunization information for electronic
immunization registries		transmission
		(ii) Enable a user to request, access, and display
§ 170.315 (f)(2) Transmission to	Qvera Interface Engine	Create syndrome-based public health surveillance
public health agencies – syndromic		information
surveillance		
§ 170.315 (f)(5) Transmission to	Qvera Interface Engine	Create electronic case reporting for reportable
public health agencies – electronic		conditions
case reporting		

<u>Measure 1: Immunization message success</u> – This measure will evaluate the ability for athenaPractice to submit conformant immunization messages.

- <u>Justification:</u> The evaluation of a statistically significant number of immunization messages spanning multiple organizations using athenaPractice will demonstrate the real-world utility of the capability.
- <u>Test Methodology:</u> System logs will be evaluated for different message types including administered, historical and forecast query.
- <u>Expected Outcomes:</u> Success is defined as (with expected errors including no response from registry, formatting error beyond the scope of CEHRT specification requirements, etc.):
  - o Administered vaccines successfully sent to immunization registry.
  - o Historical vaccines recorded are successfully sent to immunizations registry.
  - o Forecast query requests successfully sent with historical immunizations and forecast returned.

<u>Measure 2: Syndromic surveillance message success</u> – This measure will evaluate the ability for athenaPractice to submit conformant syndromic surveillance messages in the urgent care setting.

- <u>Justification:</u> The evaluation of a statistically significant number of syndromic surveillance messages spanning multiple organizations using athenaPractice will demonstrate the real-world utility of the capability. Although these messages apply to urgent care, emergency department and inpatient settings, athenaPractice only serves the urgent care setting.
- <u>Test Methodology:</u> System logs will be evaluated for all applicable messages sent to registries.
- Expected Outcomes: Success is defined as the successful message submission to and receipt by all actively engaged registries, with expected errors (e.g., no response from registry, formatting error beyond scope of CEHRT specification requirement, etc.)

<u>Measure 3: Electronic case reporting success</u> - This measure will evaluate the ability for athenaPractice to send Case Reporting electronically to public health agencies through the AIMS Platform.

• <u>Justification:</u> athenaPractice supports Electronic Case Reporting using the eCR Now application. The evaluation of documents generated and submitted to public health agencies from the eCR Now application will demonstrate the real-world utility of the capability.



- <u>Test Methodology:</u> System logs will be evaluated to determine 1) the count of encounters that generate Electronic Initial Case Report (eICR) documents and 2) the number of eICR documents for which a Reportability Response is received from the public health agency.
- Expected Outcomes: 1) eICR documents are successfully generated for reportable conditions and 2) successfully received by public health agencies via AIMS platform as acknowledged by Reportability Responses.

#### **Use Case 6 Outcomes**

No changes from plan.

Measure	Outcome	Challenges
1: Immunization message success	Review of audit logs for Eight athenaPractice customers during a period of 7/1/2024-7/14/2024 yielded validation of 2258 successful historical messages, 706 successful administered immunizations messages and 1600 successful forecast and history messages.	N/A
2: Syndromic surveillance message success	Due to lack of production data representing the use of this feature, a successful internal validation of the feature was executed in a test environment with test data, yielding a success rate of 100%.	No athenaPractice     customers had a live     interface with     Syndromic     Surveillance at the     time of RWT data     collection
3: Electronic case reporting	<ul> <li>Total 90 eCR's generated from 05/01/2024 – 06/30/2024 for one customer</li> <li>Total 314 RR's received from 05/01/2024 – 06/30/2024 for one customer</li> </ul>	Data was only     available for one     athenaPractice     customer during RWT     data collection

Use Case 7 – Independent vendors, as well as athenahealth customers use certified APIs for both patient and provider-oriented use cases.

Certification Criteria	Relied Upon Software	Requirement
§ 170.315 (g)(7)	N/A	(i) Functional requirement.
Application access –		
patient selection		
§ 170.315 (g)(9)	N/A	(i) Functional requirements
Application access – all		
data request		



§170.315(g)(10)	Qvera Interface Engine	(i) Functional requirements
Standardized API for		
Patient and Population		
Services		

Measure 1: Request success rate for certified APIs – This measure will evaluate the successful use of all certified APIs under (g)(7), (g)(9) and (g)(10) certification criteria (<a href="https://mydata.athenahealth.com/fhirapidoc">https://mydata.athenahealth.com/fhirapidoc</a>) through the lens of individual transaction requests by request, API Information Source and API Users.

- <u>Justification:</u> The evaluation of a statistically significant sample size of API requests in production systems spanning a broad spectrum of API Information Sources demonstrates real-world request volume from external applications.

  Tracking success and failure rates of our API responses by HTTP response status codes further validates the results of the APIs against real-world use cases. The measures also demonstrate the ability to provide sufficient supporting API documentation to enable external API developers to integrate with athenaPractice.
- <u>Test Methodology:</u> Production system logs of external API usage will be reviewed to determine the success rates for the following:
  - o (g)(7, 9) API Requests Served (excluding bulk calls)
    - Numerator: # of successful responses
    - Denominator: Total requests of certified API(s)
  - (g)(10) API Requests Served (including bulk calls)
    - Numerator: # of successful responses
    - Denominator: Total requests of certified API(s)
  - o (g)(7, 9, 10) Bulk tokens Requests Served
    - Numerator: # of successful responses
    - Denominator: Total token requests
  - o (g)(7, 9, 10) Non-Bulk token Requests Served
    - Numerator: # of successful responses
    - Denominator: Total token requests
  - o (g)(7, 9, 10) API Information Sources with at least one successful response Validates successful API use spanning current API Information Sources
    - Numerator: Total API Information Sources with at least one successful response
    - Denominator: Total API Information Sources with at least one request
  - (g)(7, 9, 10) API Users with at least one successful response Validates successful API use spanning current API Users
    - Numerator: Total API Users with at least one successful response
    - Denominator: Total API Users with at least one request
- Expected Outcomes: We expect to see performance of >99% on the above measures.

#### **Use Case 7 Outcomes**

No changes from plan

Measure	Outcome	Challenges



1: Request	Review of audit logs of 86 athenaPractice customers during a period	N/A
success rate	of 05/1/2024 to 06/31/2024 yielded validation of the following	
for certified	results:	
APIs	API Requests Served (excluding bulk calls): 99.81% success	
	API Requests Served (including bulk calls): 99.81% success	
	(bulk calls was zero)	
	Bulk tokens Requests Served: 0	
	Non-Bulk token Requests Served: 99.81% success	
	API Information Sources: 100% success	
	API Users: 99.55% success	

# Schedule of key milestones

Key Milestones	Date/Timeframe
Recruitment of organizations that will participate in de-identified data collection	Q2 2024
Start of collection of necessary data as laid out by plan (will vary by measure)	January 2024
End of collection of necessary data as laid out by plan (will vary by measure)	January 2025
Analysis of data (will vary by measure)	On-going 2024
Submit Real World Testing report to ACB	February 2025

### Attestation

This Real World Testing plan 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.

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Authorized Representative Signature:

Date: 1/28/2025