

## 2025 REAL WORLD TESTING RESULTS

### General Information

Plan Report ID Number	20231016PARA22
Developer Name	QRS, Inc.
Product Name	PARADIGM®
Version Number	22
Certified Health IT Product List CHPL ID	15.04.04.2838.PARA.22.01.1.221227
Developer Real World Testing Page URL	<a href="https://www.qrshs.info">https://www.qrshs.info</a>

### Summary of Testing Methods and Key Findings

Methodologies utilized during testing included data log files, polling, various scenario tests, and visual inspection in our Sandbox – Virtualized Environment as laid out in our Real World Testing Plan.

In accordance with the ONC's Enforcement Discretion Notice, QRS is only required to submit RWT Results for the criteria 170.315(g)(7), 170.315(g)(9).

### Standards Updates (Including Standards Version Advancement Process (SVAP) and United States Core Data for Interoperability (USCDII))

None of our products include these voluntary standards.

### Care Setting(s)

PARADIGM® EHR is principally marketed to healthcare providers in ambulatory care settings. Accordingly, our testing occurred in the ambulatory setting only.

We tested a minimum of three client practices. The number of client testing participants included varied for each criterion/measure as not all have the same usage needs or perform the same activities in their respective specialty settings.

In settings where functionality was not widely used, we utilized our sandbox environment for testing solely when needed, or in addition to client sites.

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### Applicable Certification Criteria

This results report includes real world testing measurements/metrics for the following criteria:

- 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

Metrics and Outcomes noted for each criterion:

- Associated Certification Criteria
- Measurement/Metric
- Relied Upon Software
- Expected Outcomes
- Actual Outcomes

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### Metrics and Outcomes

#### Correctly identify a Patient based on query parameters

Associated Certification Criteria	170.315(g)(7) - Application access — patient selection
Measurement/Metric	<p>Correctly identify a Patient based on query parameters</p> <ul style="list-style-type: none"> <li>• Number of successful API requests</li> <li>• Number of API request errors</li> <li>• Rate of API request errors</li> </ul>
Testing Method(s)/Methodology(ies)	Sandbox - Virtualized environment
Relied Upon Software	N/A
Expected Outcomes	<p>The API request will return a C-CDA R2.1 Validated CCD containing requests for patient data for specified dates and/or within specified date range(s).</p> <p>Maximum of 4% error rate for API requests over a three-month period.</p>
Actual Outcomes	<p>Tested in virtualized environment with a fixed number of requests (10). There were no error messages encountered in the controlled environment, therefore, the reported success rate was 100%.</p>

#### Respond to requests for Patient Data for all data categories

Associated Certification Criteria	170.315(g)(9) - Application access – all data request
Measurement/Metric	<p>Respond to requests for Patient Data – all data categories</p> <ul style="list-style-type: none"> <li>• Number of successful API requests</li> <li>• Number of API request errors</li> <li>• Rate of API request errors</li> </ul>
Testing Method(s)/Methodology(ies)	Sandbox - Virtualized environment
Relied Upon Software	N/A
Expected Outcomes	<p>The API request will return a C-CDA R2.1 Validated CCD containing patient data for all data categories requested.</p> <p>Maximum of 4% error rate for API requests over a three-month period.</p>
Actual Outcomes	<p>Tested in virtualized environment with a fixed number of requests (10). There were no error messages encountered in the controlled environment, therefore, the reported success rate was 100%.</p>

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Respond to requests for Patient Data for specific parameters

Associated Certification Criteria	170.315(g)(10) – Standardized API for Patient and Population Services <i>Note: 170.315(g)(10) replaced 170.315(g)(8) after submission of Real World Testing Plan</i>
Measurement/Metric	Returning correct and complete data upon receiving a request (API call) <ul style="list-style-type: none"> <li>• Number of successful API requests</li> <li>• Number of API request errors</li> <li>• Rate of API request errors</li> </ul>
Testing Method(s)/Methodology(ies)	Sandbox - Virtualized environment
Relied Upon Software	N/A
Expected Outcomes	The API request will return a C-CDA R2.1 Validated CCD containing requests for patient data for specified dates and/or within specified date range(s). Maximum of 4% error rate for API requests over a three-month period.
Actual Outcomes	Tested in virtualized environment with a fixed number of requests (10). There were no error messages encountered in the controlled environment, therefore, the reported success rate was 100%.

## Key Milestones

Key Milestones	Date/Timeframe
• Data collection as blueprinted in the plan	January 2025 – September, 2025
• Noted many client practices did not regularly utilize Direct Messaging to share clinical data	February 2025 – April 2025
• Aggregate collected test data	October 2025 – December 2025
• Analyze test results and initiate report creation	October 2025 – December 2025
• Finalize Real World Testing Results Report	January 2026
• Submit Real World Testing Results Report to Drummond Group	