



# MD-Reports (A Product of Provation®) Real World Testing - Plan

## GENERAL INFORMATION

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Plan Report ID Number:	20211111INF
Developer Name:	Provation Software Inc.
Product Name(s):	MD-Reports Office EMR
Version Number(s):	MD-Reports Version 10(mu3)
Certified Health IT Product List (CHPL) ID(s):	15.02.02.2763.A097.01.00.1.190830
Developer Real World Testing Page URL:	<a href="https://www.provationmedical.com/md-reports/certification/">https://www.provationmedical.com/md-reports/certification/</a>

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## JUSTIFICATION FOR REAL WORLD TESTING APPROACH

At this time, the MD-Reports Office EMR module is sold to the Gastroenterology (GI) specialty care setting. For this reason, the Real-World Testing plan will apply to this specialty care setting only. A gastroenterologist will get patients from various specialties, not limited to internal and family practices but other specialties as well. It is imperative for this practice to receive and share information of patients from and to other providers. Interoperability with respective EMRs is paramount to provide at most patient care.

Since the case management system works on all types of documents, there are several certification criteria that can be tested simultaneously. All criteria involving the Consolidated Clinical Document Architecture (C-CDA), QRDA documents and EHI (FHIR abilities) will be tested, including § 170.315(b)(1) Transitions of care, § 170.315(b)(6) Data Export, § 170.315(c)(1) Clinical Quality Measures – Record and Export, § 170.315(g)(7) – Patient Selection, § 170.315(g)(8) – Data Category Request, § 170.315(g)(9) – All Data Request and § 170.315(h)(1) – Direct Project. These measures will catalogue the transport mechanisms used to share transitions of care documents and EHI, as well as track usage of the various transport mechanisms.

## MEASURES USED IN OVERALL APPROACH

### Description of Measurement/Metric

Measurement/Metric	Description
170.315(b)(1) <i>Transitions of care</i> <b>Transactions logs collected from Direct messaging platform</b>	Logs of all direct messages sent and received by the end users.
170.315(b)(6) <i>Data Export</i> <b>Creation Logs</b>	Logs of all authorized user actions performed to create task(s) and export of CCDAs for single or set of patients
170.315(c)(1) <i>Clinical quality measures</i> <b>Dashboard Data</b>	Generated numerator and denominator data for a given date range for respective measures
170.315(g)(7), 170.315(g)(8), 170.315(g)(9) - <i>Application access</i> <b>Transaction logs collected from Phi query API application</b>	Logs of all API calls and type of request categories
170.315(h)(1) – <i>Direct Project</i> <b>Transactions logs collected from Direct messaging platform</b>	- Electronically transmit (send and receive) health information to a third party using Direct Logs of all direct messages sent and received by the end users

## Justification for Selected Measurement/Metric

Measurement/Metric	Justification
170.315(b)(1) <i>Transitions of care Transactions logs collected from Direct messaging platform</i>	The case management system includes two functionalities of interest: (A) Send transition of care/referral summaries and (B) Receive transition of care referral summaries. Transitions of care documents are shared using Edge protocols (e.g., SMTP, Direct) while other EHI may be shared through the patient portal using downloads and encrypted or unencrypted transmissions. This metric will provide information on the types of transmissions deployed (e.g., what types of Edge protocols, downloads and unencrypted vs. encrypted transmission) and the frequency of usages.

## Care Settings(s)

Care Setting	Justification
Gastroenterology Care Setting:	Provation markets its MD-Reports Office EMR module in Gastroenterology care settings only, so this is the only care setting in which Real World Testing will to occur.

## Test Methodology

Test Methodology
Case management logs, system logs, and email logs will be reviewed to determine the frequency and the transport mechanism used by providers for sending/receiving transitions of care using Edge protocols and downloading or transmitting EHI by patients using the patient portal. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the transport mechanisms and input for the calculation of the metric on the specific types of transport mechanisms used. This test methodology will primarily test the conformance of the implementation.

## Expected Outcomes

Measurement/Metric	Expected Outcomes
170.315(b)(1) <i>Transitions of care Transactions logs collected from Direct messaging platform</i>	Provides overview for number of clinical summaries sent or received by attending/referring providers Success and failed transactions are tracked

## Justification for Selected Measurement/Metric

Measurement/Metric	Justification
170.315(b)(6) Data Export <b>Creation Logs</b>	The export of EHI associated with a patient or patients is another way to share information with an external organization. Export is typically used when there is a need for a full patient record. This metric will provide information on the type of data exported for a single patient and the frequency of usage

## Care Settings(s)

Care Setting	Justification
Gastroenterology Care Setting:	Provation markets its MD-Reports Office EMR module in Gastroenterology care settings only, so this is the only care setting in which Real World Testing will to occur.

## Test Methodology

Test Methodology
Case management logs and system logs will be reviewed for each period to determine the frequency of use. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the export. This test methodology will primarily test the conformance of the implementation

## Expected Outcomes

Measurement/Metric	Expected Outcomes
170.315(b)(6) Data Export <b>Creation Logs</b>	It is expected that authorized users will be able to share EHI using the export function.

## Justification for Selected Measurement/Metric

Measurement/Metric	Justification
170.315(c)(1) Clinical quality measures record and export <b>Dashboard Data</b>	This criterion is adopted with the intent to support providers' quality improvement activities and in electronically generating CQM reports for reporting with certified health IT programs, such as the Promoting Interoperability Programs, Quality Payment Program, and Comprehensive Primary Care plus initiative

## Care Settings(s)

Care Setting	Justification
Gastroenterology Care Setting:	Provation markets its MD-Reports Office EMR modules in Gastroenterology care settings only, so this is the only care setting in which Real World Testing will to occur.

## Test Methodology

Test Methodology
Case management logs, system logs, will be reviewed to determine the frequency of usage. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of the transport mechanisms and input for the calculation of the metric on the specific types of transport mechanisms used. This test methodology will primarily test the conformance of the implementation.

## Expected Outcomes

Measurement/Metric	Expected Outcomes
170.315(c)(1) Clinical quality measures record and export <b>Dashboard Data</b>	It is expected to provide CQMs and interoperability data representing numerator and denominators for all applicable measures

## Justification for Selected Measurement/Metric

Measurement/Metric	Justification
<p><b>§ 170.315(g)(i) Application access</b>  <i>(i)(g)(7) patient selection</i>  <i>(i)(g)(8) data category request</i>  <i>(i)(g)(9) all data request</i>  <b>Transaction logs collected from Phi query API application</b></p>	<p>§ 170.315(g)(i) functionality designed for single patient services, or group or with reference to data categories. These measures would look at the performance of the certified API technology to manage multiple applications at once.</p>

## Care Settings(s)

Care Setting	Justification
Gastroenterology Care Setting:	The Provation markets its MD-Reports Office EMR modules in Gastroenterology care settings only, so this is the only care setting in which Real World Testing will to occur.

## Test Methodology

Test Methodology
<p>Cases will be reviewed using the log file history to ensure multiple applications registered to the certified API technology enable data access. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate the proper operation of “Standardized API for patient and population services” as specified in § 170.315(g)(7), § 170.315(g)(8), § 170.315(g)(9) and associated implementation guides, including validation that all required USCDI data elements are supported</p>

## Expected Outcomes

Measurement/Metric	Expected Outcomes
<p><b>§ 170.315(g)(i) Application access</b>  <i>(i)(g)(7) patient selection</i>  <i>(i)(g)(8) data category request</i>  <i>(i)(g)(9) all data request</i>  <b>Transaction logs collected from Phi query API application</b></p>	<p>Based on the log files, the following information can be derived: access to the sets of data elements used for the query/return, the total number of FHIR® requests made, and the duration of the query/return.  It is expected that access to the data elements is accurate and complete, that the total number of requests increases over time, and the duration of the query/return does not increase over time.</p>

## Justification for Selected Measurement/Metric

Measurement/Metric	Justification
<p>§ 170.315(h)(1) Direct Project</p> <p><b>Transactions logs collected from Direct messaging platform</b></p>	<p>§ 170.315(h)(1) electronically transmit (send and receive) health information to a third party using Direct. This functionality supports interoperability and exchange, particularly for both sending and receiving parties. It provides guidance for enabling health information service providers (HISPs) to provide a high level of assurance to senders that a message has arrived at its destination, a necessary component to interoperability.</p>

## Care Settings(s)

Care Setting	Justification
Gastroenterology Care Setting:	The Provation markets its MD-Reports Office EMR modules in Gastroenterology care settings only, so this is the only care setting in which Real World Testing will to occur.

## Test Methodology

Test Methodology
<p>Health information can be electronically transmitted (send and receive) to a third party using Direct, during this process all transactions are logged to ensure all transactions are successfully completed. Log files obtained during Real World Testing will be de-identified and used for analysis in several areas to validate</p>

## Expected Outcomes

Measurement/Metric	Expected Outcomes
<p>§ 170.315(h)(1) Direct Project</p> <p><b>Transactions logs collected from Direct messaging platform</b></p>	<p>Based on the log files, the following information can be derived: All sent and received messages will be tracked. Any failed transactions are tracked.</p>

## SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Release of documentation for the Real-World Testing to be provided to authorized representatives and providers running the Gastroenterology. This includes surveys, specific instructions on what to look for, how to record issues encountered, and Customer Agreements.	Gastroenterology	Nov 15th 2021
Begin collection of information as laid out by the plan.	Gastroenterology	January 1, 2022
Meet with previously identified providers and authorized representatives to ensure that Real World Testing protocols are effective.	Gastroenterology	January 15th, 2022
Follow-up with providers and authorized representatives to understand any issues arising with the data collection	Gastroenterology	April 1st 2022 – June 30 <sup>th</sup> 2022
Data collection and review	Gastroenterology	July 31 <sup>st</sup> , 2022 – Sept 30 <sup>th</sup> 2022
End of Real-World Testing period/final collection of all data for analysis.	Gastroenterology	January 2023
Analysis and report creation.	Gastroenterology	January 15, 2023
Submit Real World Testing report to ACB (per their instructions)	Gastroenterology	March 1st, 2023



## ATTESTATION

Authorized Representative Name: Jason Aune

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Authorized Representative Phone: 612-313-1500

Authorized Representative Signature: Jason Aune  
Jason Aune (Nov 12, 2021 12:02 CST)

Date: Nov 12, 2021

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