Medsphere Systems Corporation
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2024 Real World Testing Results CareVue 2.1

GENERAL INFORMATION

Plan Report ID Number:

Developer Name: CareVue, a Division of Medsphere Systems Corporation

Product Name(s): CareVue

Version Number(s): CareVue v.2.1

Certified Health IT Product List (CHPL) Product Number(s):
CareVue - 15.04.04.2806.Open.02.02.1.221222

Developer Real World Testing Plan Page URL:
https://www.medsphere.com/certifications/RealWorldTesting/CareVue

Developer Real World Testing Results Report Page URL:
https://www.medsphere.com/certifications/RealWorldTesting/CareVue

CHANGES TO ORIGINAL PLAN

Not Applicable

SUMMARY OF TESTING METHODS AND KEY FINDINGS

To demonstrate the features used in the interoperability measures, we obtained data from system logs that we could review and perform data analysis against. We were able to review success and failure rates of certain interoperability functions to ensure the feature was functioning and to be able to work with our clients to increase adoption where suitable.

In cases where we gathered the data and the data indicated that no utilization was actually being performed in the real world, we reverted to an internal test environment to conduct testing against the feature along with the standards to ensure the feature was functioning as designed and certified.

For each of the methods that we used, whether collecting real world data or reverting to an internal test

environment, the results shared in this report reflect the real world success rate of utilization of interoperability features or confirmation that the feature is working as intended.

STANDARDS UPDATES (INCLUDING STANDARDS VERSION ADVANCEMENT PROCESS (SVAP) AND UNITED STATES CORE DATA FOR INTEROPERABILITY (USCDI))

☐ Yes, I have products certified with voluntary SVAP or USCDI standards. (If yes, please complete the table below.

■ No, none of my products include these voluntary standards.

Standard (and version)	**N/A**
Updated certification criteria and associated product	**N/A**
Health IT Module CHPL ID	**N/A**
Conformance measure	**N/A**

Care Settings

Inpatient care setting was used to obtain the results for this report.

Metrics and Outcomes

Electronic exchange of information for Care Coordination and Patient Engagement

Measurement /Metric	Associated Criterion(a)	Relied Upon Software (if applicable)	Outcomes
Measure 1.1 Provider exchange (sending and receiving)	170.315(b)(1) Transitions of Care, 170.315(b)(2) Clinical Information Reconciliation and Incorporation, 170.315e(1) View, download, and transmit to 3rd party, Data Export and 170.315(h)(1) Direct Project,	Surescripts Clinical Direct Messaging	System logs were used to retrieve data that represented the transmission of CCDs by providers. Overall, we had 3,088 attempted transmissions with 2,851 being successful, resulting in a 7.6% error rate.

Measure 1.2 Patient exchange (Download and Transmit)	170.315(b)(1) Transitions of Care, 170.315(b)(2) Clinical Information Reconciliation and Incorporation, 170.315e(1) View, download, and transmit to 3rd party, Data Export and 170.315 (h)(1) Direct Project,	Surescripts Clinical Direct Messaging	System logs were used to retrieve data representative of patients performing download and then transmitting their health data to an outside source. Overall, we had 90 transmission attempts in which all 90 attempts were successful, resulting in a 100% success rate. We also reviewed the transmission methods of these attempts which showed almost an even split. The results showed 77 encrypted transmission methods with 13 unencrypted transmission methods.

E-Prescribing

Measurement /Metric	Associated Criterion(a)	Relied Upon Software (if applicable)	Outcomes
Measure 2 E-prescribing successful transmissions	170.315(b)(3) Electronic Prescribing	NewCrop	System logs were used to retrieve data representative of the function when users create a prescription and electronically transmit the prescription to a pharmacy. In total, 4,836 prescriptions were transmitted electronically, Of those 4,836 transmissions, 6 failed, resulting in a .0012% error rate which falls within our expected outcome.

Transmission of HL7 messages

Measurement /Metric	Associated Criterion(a)	Relied Upon Software (if applicable)	Outcomes
Measure 3.1 Transmission of messages to outside entities	170.315(f)(1) Transmission to immunization registries, 170.315(f)(2) Transmission to public health agencies – Syndromic surveillance, 170.315(f)(3) Transmission to public health agencies – reportable laboratory tests and value/results. 170.315(f)(5) Transmission to Public Health Agencies – Electronic Case Reports	Mirth	System logs were used to retrieve data representative of the HL7 messages that were transmitted. Overall, there were 1,636,045 HL7 messages that were sent with 608 of those messages failing. This results in a 0.04 % error rate which falls within our anticipated error rate of less than 10% due to issues with network connectivity. We also drilled into the data to determine individual rates of specific transmissions. We found that reportable laboratory tests and results made up the highest volume which accounted for 67% of the volume and electronic case reports messages made up the lowest volume at 0%. Due to the inactivity of sending electronic case reports, internal test environments were used to ensure functionality was working as intended

			for each quarter. Overall, 4 attempts of testing to ensure trigger codes were consumed and accurately reflecting on patients in which 4 were successful, resulting in a 100% success rate. Also, tested was the ability to generate a report containing the necessary information, 8 reports were generated and of the 8 attempts, all 8 were successful, resulting in a 100% success rate. We did not notice any high fluctuations in average number of transmissions over the period of the year.
Measure 3.2 Health care surveys	170.315(f)(7) Transmission to public health agencies – health care surveys	Not applicable	Upon reviewing system logs it was found that no clients were using the function of health care surveys. To adhere to our plan, we reverted to an internal test environment to ensure the function was still working as designed. Overall, 4 files were validated through the use of external test tools in which 4 were successful, resulting in a 100% success rate.

Export Data File

Measurement /Metric	Associated Criterion(a)	Relied Upon Software (if applicable)	Outcomes
Measure 4 Export Data File (export of QRDA files)	170.315(c)(1) record and export	Not Applicable	System logs were used to retrieve data representative of when QRDA cat 1 files were exported. Overall, there were 1,092 files exported which all were successful, resulting in a 100% success rate. We also noted that most of these exports occurred during Q1 but some were also in Q3 due to Hybrid Measure submission.

API Requests

KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Collection and review of data	Inpatient	Quarterly
Compiled all data in aggregate analysis	Inpatient	December 2024
Create and submit aggregate results report	Inpatient	January 2025

Acknowledgement Signature

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

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