

# REAL WORLD TEST RESULTS REPORT MEDICSCLOUD

## General Information

**Plan Report ID Number:** - 20231108adv02

**Developer Name:** - Advanced Data Systems Corporation

**Product Name:** - MedicsCloud

**Version Number:** - 11.0

**Certified Health IT Product List (CHPL) ID:** - 15.02.05.1044.AVDC.01.01.1.220111

**Developer Real World Testing Plan Page URL:** - <https://www.adsc.com/onc-certified>

**Developer Real World Testing Results Report Page URL:** - <https://www.adsc.com/onc-certified>

## 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.

<b>Standard (and Version)</b>	USCDIv1
<b>Updated certification criteria and associated product</b>	b1, b2, e1, f5, g9
<b>Health IT Module CHPL ID</b>	15.02.05.1044.AVDC.01.01.1.220111
<b>Method Used for Standard Update</b>	Cures Update
<b>Conformance measure</b>	Measure 1 for b1,b2 Measure 5 for e1 Measure 9 for f5 Measure 10 for g9
<b>USCDI updated certification criteria (and USCDI version)</b>	b1, b2, e1, f5, g9 – USCDI v1

<b>Standard (and Version)</b>	CMS Implementation Guide for Quality Reporting Document Architecture: Category I; Hospital Quality Reporting; Implementation Guide for 2022 (November 2021) CMS Implementation Guide for Quality Reporting Document Architecture: Category III; Eligible Clinicians and Eligible Professionals Programs; Implementation Guide for 2022 (December 2021)
<b>Updated certification criteria and associated product</b>	C3
<b>Health IT Module CHPL ID</b>	15.02.05.1044.AVDC.01.01.1.220111
<b>Conformance measure</b>	Measure 4

## Metrics and Outcomes

**1. Measurement /Metric: - Health Information Exchange electronically Using C-CCDAs and incorporating the clinical data to patient chart.**

**Measure Description:** - The purpose of this measure is tracking and counting how many transitions of care/CCDAs are created and successfully sent electronically to 3rd party using direct messaging. And also tracking and displaying the transition of care/CCDA received electronically from a 3rd party during a transition of care event and successful reconciliation of clinical summary data in to patient chart in an EHR over a course of a time interval/reporting period.

**Associated Criterion:-**

- (§170.315(b) (1))- Transitions of care
- (170.315(b) (2))- Clinical information reconciliation and incorporation
- (§170.315(h) (1))- Direct Project

**Relied upon Software:** - Superscripts N2N Direct Messaging

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:-**

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 1

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement: -**

Number of HIE sent: - 12

Number of HIE Received and incorporated: - 683

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings: -**

For Real World testing of the measure Health Information Exchange electronically Using C-CDA's and incorporating the clinical data to patient chart, we utilized reports in a specified time interval for total number of C-CDA's generated from EMR to other practices or providers using N2N direct secure email and for total number of C-CDA's imported in to the EMR and then reconciled the Problem list, Medications and Allergies data in to patient chart for metrics calculation and also verified the transaction status in audit log.

Clients who refer patients electronically to other practices or providers through CCD standard other than faxing the transcript. We observe very few clients are using the N2N direct secure file transfer for HIE exchange. Even though the functionality usage is less our results do show EHR can work with different health IT systems for C-CDA exchange sending and Receiving HIE data in CCD format and able to reconcile the data in to our EMR.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

**2. Measurement /Metric: - Number of Prescriptions created and sent electronically.**

**Measure Description:** - The purpose of this measure is tracking and counting how many NewRx, Renew, Refill, ChangeRx and Cancel electronic prescriptions generated and successfully sent to pharmacy from EHR over a course of a time interval/reporting period

**Associated Criterion:** - (§ 170.315(b)(3)) e-prescription

**Relied upon Software:** - Surescripts

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:-**

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 4

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement: -**

Number of prescription messages sent electronically on an Average: - 9484

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings: -**

For Real World testing of the measure electronic prescribing, we utilized reports from live practices in a specified time interval for total number or prescription related transactions using Surescripts and verified the eRX related transaction status in audit log.

Electronic prescription feature is most widely used by all the specialties. RWT test results reveal that our eRX functionality is working as expected.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

**3. Measurement /Metric: - Care Coordination**

**Measure Description:** - The purpose of this measure is tracking how a provider can spend more time with complex, chronic care patients by creating a care plan in EHR.

**Associated Criterion:** - (§ 170.315(b)(9)) Care Plan

**Relied upon Software:** - N/A

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:-**

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 2

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement: -**

Total number of Care plan documented and generated on an average is: - 127

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings: -**

For Real World testing of the measure Care coordination, we verified the audit log to identify the Care plan documentation information and verified the report for total number of C-CDA's generated with Care plan information in a specified time interval.

Documenting care plan data for identified chronic care patients the data is being captured by few practices depending on the chronic care condition volume, so we tested the data at these practice who are documenting it and the certified HIT module is working as expected.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

**4. Measurement /Metric: - Clinical Quality Measures Reporting**

**Measure Description:** - The purpose of this measure is tracking and counting the total number of Clinical quality measures that reported across various reporting programs like MIPS, Primary Care First etc., as per the requirement during the reporting period.

**Associated Criterion: -**

(§ 170.315(c)(1))—record and export

(§ 170.315(c)(2))—import and calculate

(§ 170.315(c)(3))—report

**Relied upon Software: - N/A**

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:-**

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 4

Reporting Interval: - 12 months (Jan 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement:** - Out of the certified CQM's most of our clients are reporting CMS2, CMS 22, CMS 68, CMS 69, CMS 122, CMS 125, CMS 127, CMS 130, CMS 138, CMS 147, CMS 165 through various reporting programs and the output is as expected.

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings: -**

For Real World testing of the measure Clinical Quality measures, we have tracked the reports from our Dashboards reports from the practices that are reporting to various CMS incentive reporting programs.

Our results reveal that CQM functionality is working as expected and none of providers are using QRDA 1 for submission and one practice is using QRDA III file for submission.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

**5. Measurement /Metric:** - Provider and Patient Engagement through Patient portal

**Measure Description:** - The purpose of this measure is tracking and counting the total number of C-CCDA files were exported to portal and out of those information how many patients/patient authorized users viewed, Downloaded and transmitted that health information to 3rd party providers/practices.

**Associated Criterion:** -

(§ 170.315(e)(1))— View, Download, and Transmit to 3rd party.

(§170.315(h)(1))— Direct Project

**Relied upon Software:** - Meinberg NTP Daemon for NTP, Surescripts N2N.

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:-**

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 4

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement:** -

Number of patients accessed or logged into patient portal: - 1393

Success rate of this measure as per the implemented standards is 100%.

### **Summary of testing methods and key Findings: -**

For Real World testing of the measure Provider and Patient Engagement through Patient portal, we tracked the real world usage of our Medics patient portal by tracking the audit log activity of accessing the health information like view, download or transmit and generated a report for metric purpose based on a specified time interval.

We have identified that not all patients are using the patient portal, some practices have high registered users but the not seen the login activity and those patients actively using the portal have accessed he health summary available in portal.

### **Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

## **6. Measurement /Metric: - Exporting Immunization Data to State Registries**

**Measure Description:** - The purpose of this measure is tracking how a user can export/ query (bi-directional) communication the vaccination data to State registries from EHR.

**Associated Criterion:** - (§ 170.315(f)(1)) Transmission to Immunization Registries

**Relied upon Software:** - N/A

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

### **Outcome:-**

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 3

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

### **Testing Metric/Measurement: -**

We tested this measure with live clients who are communicating the vaccination data with Immunization registries like NJIIS, NYCIR, FL Shots etc. And the success rate of this measure as per the implemented standards is 100%.

### **Summary of testing methods and key Findings: -**

For Real World testing of the measure Exporting Immunization Data to state registries, we tracked the activity of exporting and querying the vaccination data in live clients environment reporting to various Immunization Information Systems and verified the audit log activity on these transactions.

Practices registered with Immunization registries are exporting the vaccination data on daily and weekly basis and query the vaccination records are quite less when compared to export.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

**7. Measurement /Metric: - Exporting Syndromic surveillance Data to State Registries**

**Measure Description:** - The purpose of this measure is tracking how a user can create syndromic surveillance message and can sent that message to Syndromic Surveillance registries from EHR.

**Associated Criterion:** - (§ 170.315(f)(2)) Transmission to Public Health Agencies – Syndromic surveillance

**Relied upon Software:** - N/A

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:-**

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 0

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement: -**

No of Syndromic surveillance messages generated: - 1

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings: -**

For Real World testing of the measure Exporting Syndromic surveillance Data to State Registries, as there are no live clients reporting to National Syndromic Surveillance Program so we tested this by generating a registration and discharge file of a test patient record in the certified HIT module in a production environment and the verification was successful.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.



## **8. Measurement /Metric: - Exporting Cancer Cases patient information Data to State Registries**

**Measure Description:** - The purpose of this measure is tracking how a user can capture and generate cancer case CCDAs and submit them electronically from EHR.

**Associated Criterion:** - (§ 170.315(f)(4)) Transmission to Cancer Registries

**Relied upon Software:** - N/A

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:** -

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 0

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement:** -

No of Cancer case files generated: - 1

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings:** -

For Real World testing of the measure Exporting Cancer Cases patient information Data to State Registries, as there are no live clients registered for Cancer Case Reporting, so we tested this by generating a cancer case registry CCDAs and validated it at Edge testing tool and the validation was successful and also verified the information of cancer registry CCDAs file generation in the certified HIT module in a local environment.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

## **9. Electronic Case Reporting to State registries**

**Measure Description:** - The purpose of this measure is tracking how a user can submit case reporting of reportable conditions to public health agencies in CCDAs format from EHR.

**Associated Criterion:** - 170.315(f)(5): Transmission to public health agencies - Electronic Case Reporting

**Relied upon Software:** - N/A

**Care Settings:** - Internal Medicine, Family Medicine, Urology, Cardiovascular and Pain

**Outcome:** -

Total Practices Queried: - 4

Practices reporting Results/ Utilizing Certification Functionality: - 0

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement:** -

No of Electronic case CDA's files generated: - 1

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings:** -

For Real World testing of the measure Exporting Electronic Case reporting to State Registries, as there are no live clients registered for Electronic Case Reporting, so we tested this by generating an Electronic case registry CDA's file based on the test reported codes and validated it at Edge testing tool and the validation was successful and also verified the information of Electronic case registry CDA's file generation in the certified HIT module in a local environment.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

## **10. Measurement /Metric: - Application Programming Interfaces**

**Measure Description:** - The purpose of this measure is to provide patient data access from EHR to 3rd party applications with proper authentication through API request.

**Associated Criterion:** -

(§170.315(g)(7)) Application access — patient selection

(§170.315(g)(9)) Application access — all data request

**Relied upon Software:** - N/A

**Care Settings:** - As API functionality is applicable to all targeted clients and we don't have any live clients using this functionality, so we tested this measure in a staging environment and verified that the certified functionality is working as per the requirement.

**Outcome:** -

Practices reporting Results/ Utilizing Certification Functionality: - 0

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement:** - We tested the API functionality in an Internal medicine practice in a staging environment with fake but realistic patient data using API and it reported 100% success across all test scenarios.

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings: -**

For Real World testing of the measure Application Programming Interfaces, we tracked the audit log activity of the API request access and tested the data category request information from and it is working as per the certified HIT module requirement.

While we did not have any live clients using this API functionality in production, we tested this functionality at a practice in staging environment.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

**11. Measurement /Metric: - Standardized API for patient and population services**

**Measure Description:** - The purpose of this measure is to provide patient data access from EHR to patients/3rd party applications with proper authentication through FHIR API request.

**Associated Criterion: -**

170.315(g)(10) Standardized API for patient and population services

**Relied upon Software: - N/A**

**Care Settings:** - As the FHIR API functionality is applicable to all targeted clients and we don't have any live clients using this functionality, so we tested this measure in a staging environment with fake but realistic patient data by generating the service base URL's for all practices and verified that the certified functionality is working as per the requirement.

**Outcome: -**

Practices reporting Results/ Utilizing Certification Functionality: - 0

Total Number of Data Requests for a single patient: - 2

Total Number of Data Requests for a multiple patients: - 25

Reporting Interval: - 9 months (Apr 1<sup>st</sup> 2024 to Dec 31<sup>st</sup> 2024)

**Testing Metric/Measurement:** - We tested the FHIR API functionality for a single patient and multiple patient's data access in a staging environment with fake but realistic patient data using API and it reported 100% success across all test scenarios.

Success rate of this measure as per the implemented standards is 100%.

**Summary of testing methods and key Findings: -**

For Real World testing of the measure Application Programming Interfaces, we tracked single patient and multi patients (Bulk Request) by creating a sandbox environment in local and verified the endpoint connection status and data requests.

Only one third party apps registered for FHIR API request and verified the data request from sandbox that we provided.

**Challenges Encountered or Non-Conformities:-**

During our testing we did not encounter any challenges or criteria non-conformities.

**Changes to Real World Test Plan: -**

We did not make any changes for our documented Real World Test Plan in our testing methods or metrics.

**KEY MILESTONES: -**

**Milestone 1Q 2024:** - Communicated with clients for their support and participation on real world testing program and the goal is to have a sufficient number of clients to conduct RWT.

Status: - Met

**Milestone 2Q – 4Q 2024:** - Conducted Real world testing with the identified clients and updated the status in Real World test results document. Prepared RWT test plan for CY 2024 and uploaded in ADSC portal.

Status: - Met

**Milestone 1Q 2025:** - Submit the RWT test report to ONC-ACB.

Status: - Met.