# REAL WORLD TESTING RESULTS REPORT

MEDITECH, as an Electronic Health Record (EHR) vendor, is fortunate to collaborate with many of our customers in facilitating the Real World Testing program established by the Office of the National Coordinator (ONC) as introduced with the 21st Century Cures Act. Under the ONC Health IT Certification Program, MEDITECH, as a Health IT developer conducts Real World Testing; ensuring validation of patient access, exchange, and use of Electronic Health Information (EHI). Organizations work with us directly in validating the Real World Testing Cures condition of certification, furthering MEDITECH's commitment to interoperability and advancing health data exchange for our entire customer base.

MEDITECH customers partnered with us in testing and collecting statistical data for Real World Testing results reporting — connecting with organizations on a quarterly basis and expediting metric collection in production environments which supports health data exchange capabilities with related Real World Testing criteria.

This 2022 Real World Testing Result document outlines the data review, demonstrating the interoperability universally of each associated care setting. Data was aggregated from a number of healthcare organizations, by product line, utilizing existing performance monitoring tools to demonstrate compliance with the conditions of certification. The information captured is metric-based and contains no Protected Health Information (PHI) data. Result reporting instances included verification for transitions of care, electronic prescribing, clinical information reconciliation and incorporation, public health interfaces, and Application Programming Interfaces (API).

**ATTESTATION**

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Authorized Representative Signature:

Date: March 1, 2023

## GENERAL INFORMATION

Name: Product Name(s): Medical Information Technology MAGIC HCA

Version Number(s): v5.67

Certified Health IT Product List (CHPL) Product Number(s):

| Product | Certificate Number |
|---|---|
| MEDITECH MAGIC HCA Electronic Health Record Core HCIS (without PatientKeeper) | 15.04.04.2931.MEDI.56.01.1.190314 |

Developer Real World Testing Plan and Testings Results Report Page URL:
https://home.meditech.com/en/d/regulatoryresources/pages/certification.htm

## CHANGES TO ORIGINAL PLAN

| **Summary of Change** [Summarize each element that changed between the plan and actual execution of Real World Testing] | **Reason** [Describe the reason this change occurred] | **Impact** [Describe what impact this change had on the execution of your Real World Testing activities] |
|---|---|---|
| N/A | | |

***WITHDRAWN PRODUCTS***

| | |
|---|---|
| **Product Name(s):** | **N/A** |
| **Version Number(s):** | |
| **CHPL Product Number(s):** | |
| **Date(s) Withdrawn:** | |
| **Inclusion of Data in Results Report:** [Provide a statement as to whether any data was captured on the withdrawn products. If so, this data should be identified in the results | |

## SUMMARY OF TESTING METHODS AND KEY FINDINGS

*The following testing methods were utilized to demonstrate real-word interoperability:*

- *Quarterly review of Management Information System (MIS) interface logs for MG HCA customers evaluating electronic health exchange (EHI) of Care Coordination, Patient Engagement, and Public Health criteria demonstrating a percentage of messages sent across the related interface. A sample of 2 customers were evaluated; the number of accepted messages well exceeds Promoting Interoperability measurements related to each criteria.*
- *Execution of Application Programming Interface (API) conformance via a customer production ring for the related releases — An authorized user acting as the Health Care Organization's System Administrator registered the API User client application with the MEDITECH API platform in order to demonstrate the facilitation of Application Access requests for Patient Selection, Data Category Requests, and Application Access - All Data Requests. Challenges involved customer participation for setup of authorized user, synthetic patient data, and Postman application review to validate all related criteria in each participating customer production environment.*

## 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.

[X] No, none of my products include these voluntary standards.

| Standard (and version) | N/A |
|---|---|
| Updated certification criteria and associated product | |
| CHPL Product Number | |
| Conformance measure | |

### Care Setting(s)

*Real World Testing was conducted across MEDITECH's Acute and Emergency Department care settings.*

### Metrics and Outcomes

| Measurement /Metric | Associated Criterion(a) | Relied Upon Software (if applicable) | Outcomes | Challenges Encountered (if applicable) |
|---|---|---|---|---|
| Sharing of Electronic Health Information:<br><br>Interface metrics demonstrating Electronic Health Exchange of (1) Sending a Summary of Care, (2) Request/Accept<br><br>Summary of Care, and (3) Clinical Information Reconciliation: Interfaces evaluated quarterly:<br>• Clinical Document Architecture (CDA) Consume<br>• Direct Message Inbound and Outbound (Request and Response)<br>• Document Set | §170.315(b)(1) Transitions of care<br><br>§170.315(b)(2) Clinical Information Reconciliation and Incorporation<br><br>§170.315(b)(6) Data Export<br><br>§170.315(e)(1) View, download, and transmit to 3rd parties. | N/A<br><br>IMO 2.0 (Intelligent Medical Objects) | In reviewing reports for Electronic Health Exchange (EHI), the number of accepted messages well exceeds Promoting Interoperability measurements related to each criteria. Result totals included 1,914,769 accepted messages with all interface types:<br><br>Sent and Accepted messages for Clinical Document Architecture (CDA) files, Provide and Register Document Set, and Export files related to Transitions of Care, Clinical Information Reconciliation and Data Export criteria 94.8% success rate. | |

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|---|---|---|---|---|
| • Send and Retrieve<br>• View, Download and Transmit | | | External view, download, and transmit messages including medication renewal requests, allergy, and full health summary views related to View, Download Transmit criteria - 18076 successful transmissions. | |
| Execution of Application Programming Interface (API) conformance via customer production ring for the MG HCA release. | §170.315(g)(7) Application Access - Patient Selection<br><br>§170.315(g)(8) Application Access - Data Category Request<br><br>§170.315(g)(9) Application Access - All Data Request | N/A | MEDITECH facilitated API calls successfully using synthetic patient data in a customer production environment.<br><br>Validation resulted in 100% success rates with interoperability-specific application requests and responses for all API criteria categories from the patient identified by ID or token. Metrics included single patient identifiers, multiple category variables, ex (allergies/vital signs), and full CCD API calls for Application Programming Interface (API).<br><br>Results included 1 successful unique API token responding to and returning full sets of data for each category across the customer production environment. | |
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|---|---|---|---|---|
| Sharing of Electronic Health Information: Interface metrics demonstrating Public Health agencies — generating the associated interface messages:<br>• Lab Results (Inbound and Outbound)<br>• Immunization Query and Response<br>• Admission, Discharge, Transfer - Syndromic Surveillance (Inbound and Outbound)<br>• Prescription eligibility and external medication claim history | §170.315(f)(1) Transmission to Immunization Registries<br><br>§170.315(f)(2) Transmission to Public Health Agencies - Syndromic Surveillance<br><br>§170.315(f)(3) Transmission to Public Health Agencies - Reportable Laboratory Tests and Value/Results<br><br>§170.315(b)(3) Electronic Prescribing | DrFirst Rcopia (DrFirst) AND EPCS Gold (DrFirst) AND First Databank AND Medi-Span (Walters Kluwer) | This measure assessed the functionality used to transmit the associated data for a patient population.<br><br>In reviewing reports for Electronic Health Exchange (EHI), the number of accepted messages well exceeds Promoting Interoperability measurements related to each criteria. As noted above, result totals included 1,914,769 accepted messages with all interface types:<br><br>Admission, Discharge, Transfer (ADT) patient events notifications related to Syndromic Surveillance criteria - 100% success rate.<br><br>HL7 Observation Result (ORU) messages related to Lab reporting criteria - 100% success rate.<br><br>Immunization queries related to registry reporting criteria - 100% success rate.<br><br>Prescription eligibility/external medication claim history messages related to EPrescribing criteria - 99.70% success rate. | |

## KEY MILESTONES

| Key Milestone | Care Setting | Date/Timeframe |
|---|---|---|
| **Initiate collection of metrics for each group of criteria based on the reporting tools and utilities noted.** | **Acute Emergency Department** | **Quarterly – March, June, September, December 2022** |
| **Initiate conformance validation for criteria based on non-deployed capabilities (customer production or internal environments).** | **Acute Emergency Department** | **Quarterly – March, June, September, December 2022** |
| **Complete metric analysis and Real World Testing report** | **Acute Emergency Department** | **January, 2023** |

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i Certified health IT continues to be compliant with the certification criteria, including the required technical standards and vocabulary codes sets; certified health IT is exchanging EHI in the care and practice settings for which it is marketed for use; and EHI is received by and used in the certified health IT. (85 FR 25766)

ii https://www.federalregister.gov/d/2020-07419/p-3582