

## EHR Your Way: Real World Testing Plan

Developer Name: Adaptamed, LLC

Product Name: EHR Your Way

Version Number: 9.2.0.0

Product List (CHPL) ID: 15.02.02.1042.A079.01.00.0.181121

Plan Report ID: 20211119ADA

### Measure/Metric:

The measure will display the total % of Interoperability messages transmitted successfully by collecting the data logs of total number of Interoperability messages initiated to transmit Vs. Data logs of Total no. of interoperability messages transmitted. The measure is updated for all the individual criteria.

**Reason Measurement/metrics:** This type of measurement helps to identify the percentage of errors due to EHR and uncontrolled errors received due to recipients. Also helps to understand how much percentage of successful Interoperability messages are transmitted.

EHR Your Way saves all the required data base logs for the certification criteria's. Based on which we can conclude if all the transmissions related to the certification criteria are successful or has any errors.

Certification Crieterias for which above Metrics are used.

Criteria ID	Description
170.315(g)(9)	Application access - all data request
170.315(g)(8)	Application access - data category request
170.315(g)(7)	Application access - patient selection
170.315(b)(1)	Transition of care
170.315(b)(2)	Clinical information reconciliation and incorporation
170.315(b)(3)	Electronic prescribing
170.315(b)(6)	Data export
170.315(e)(1)	View, download, and transmit to 3rd part
170.315(c)(1)	Record and export
170.315(c)(2)	Import and Calculate
170.315(c)(3)	Report
170.315(h)(1)	Direct Project
170.315(f)(5)	Transmission to public health agencies - electronic case reporting
170.315(f)(1)	Transmission to immunization registries

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**Mile Stones/Timelines:**

Briefing about the Testing will be given above users on 01/14/2022. Schedule of testing is as follows.

Data base logs monitoring schedule:

Crieteria ID	Description	Dates to capture the Data logs for Monitoring	Duration
170.315(g)(9)	Application access - all data request	01/10/2022 to 01/14/2022	5 days
170.315(g)(8)	Application access - data category request		
170.315(g)(7)	Application access - patient selection		
170.315(b)(1)	Transition of care		
170.315(b)(2)	Clinical information reconciliation and incorporation		
170.315(b)(6)	Data export		
170.315(e)(1)	View, download, and transmit to 3rd part		
170.315(f)(5)	Transmission to public health agencies - electronic case reporting		
170.315(h)(1)	Direct Project		
170.315(f)(1)	Transmission to immunization registries		
170.315(b)(3)	Electronic prescribing	01/15/2022 to 01/19/2022	5 days
170.315(c)(1)	Record and export	01/05/2022 to 01/25/2022	20 days
170.315(c)(2)	Import and Calculate		
170.315(c)(3)	Report		

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**Associated Criteria ID:** 170.315(g)(9): Application access - all data request

**Measure:** The total percentage of successful transmissions.

Denominator = (Total no. of requests for All Patient Data – Total no. of Invalid API requests)

Numerator = Total no. of successful responses given to requests in Denominator

Total % of Successful Transmissions = (Numerator/Denominator) X 100

**Description:** The data required for the Measure is collected for the duration of 5 days as mentioned in the schedule. Using the data logs we will collect below (a – f) mentioned data to calculate the accuracy and successful transmission percentage. This Criterion required EHR Your Way to give the functionality to users for requesting All patient Data as mentioned in §170.315(g)(9)(i)(A). The API data requests are considered valid and response is given only if the combination of User name, password and API Toke key are correct.

- a) Total no. of API requests received for All patient Data.
- b) Total no. of API invalid requests
- c) Total no. of API responses from EHR Your Way.
- d) Total no. of API responses failed due to Recipients network or other technical issues.
- e) Total no. of API Reponses failed due to EHR Your Way network or technical or improper message standards issues.
- f) Total no. of API responses failed due to Non standard data entry by users.

**Justification:** The denominator count of this measure is the count of valid API requests. Meaning, if the user tries to request a patient data with invalid User name or password or API Token, the request will be considered as invalid. This would satisfy the requirement of providing access to the patient data through API. As a response to the request, the numerator count which is total no. of API responses from EHR Your way will have the total requests for which data is sent in CCD format within the date range mentioned in the request.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice data base will be used for collecting required data logs.

**Expected Outcome:** All the Data logs for API show successful transmission; also denies the requests which are invalid or unauthorized.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

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Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(g)(8): Application access - data category request

**Measure:** The total percentage of successful transmissions of Requested Data Category

Denominator: (Total no. of requests for specific Data Category – Total no. of Invalid Data category requests)

Numerator: Total no. of successful responses given to requests in Denominator

Total % of Successful Data Category Transmissions = (Numerator/Denominator) X 100

**Description:** The data required for the measure is collected for the duration of 5 days as mentioned in the schedule. Using the data logs we collect information as mentioned below to calculate the accuracy and successful transmission percentage. Using these logs we can monitor if EHR Your Way is able to accept the valid API requests which belongs to a specific Data Category as mentioned in Common Clinical Data set (CCDS) and respond successfully.

- a) Total no. of API requests received for Specific Data Category (as mentioned in CCDS)
- b) Total no. of Invalid API requests received for Specific Data Category
- c) Total no. of API responses from EHR Your Way for Specific Data Category
- d) Total no. of API responses failed due to Recipients network or other technical issues.
- e) Total no. of API Responses failed due to EHR Your Way network or technical or improper message standard issues for a Specific Data Category
- f) Total no. of API Responses failed to due to Non standard data entry mistakes by the users

**Justification:** The denominator count of this measure is the no. of valid API requests. If the user tries to request specific data category of a patient with invalid user name or password or API token, these requests will be considered as invalid API requests for data categories. Invalid requests will not be considered in Denominator. Ability of identifying the invalid requests will demonstrate the functional requirement in (g)(8)(i)(A). As a response to the valid requests, the numerator count which is total no. of Successful API responses from EHR Your Way will have the total no. of valid requests for which data is sent in CCD format for a specific date or date range mentioned in the request.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** All the Data logs for API show successful transmission; also denies the requests which are invalid or unauthorized.

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### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(g)(7): Application access - patient selection

**Measure:** The total percentage of successful matching responses

Denominator = (Total no. of requests for All Patient Data along with username and an API token – Total no. of invalid API requests)

Numerator = Total no. of successful matching responses given to requests in Denominator

Total % of Successful Transmissions = (Numerator/Denominator) X 100

**Description:** The data required for the measure is collected for the duration of 5 days as mentioned in the schedule. Using the data logs we collect information as mentioned below to calculate the accuracy and successful responses percentage. Using these logs we can monitor if EHR Your Way is able to accept the username and password and API key which belongs to a specific patient and give data of a patient who has the same user name mentioned in the health IT data base. This would satisfy the functional requirement mentioned in the (g)(7)(i).

- a) Total no. of API requests received for the patients.
- b) Total no. of invalid API requests for the patients.
- c) Total no. of successful API responses from EHR Your Way.

**Justification:** The denominator count of this measure is the no. of valid API requests. If the user tries to request data of a patient with invalid user name or password or API token, these requests will be considered as invalid API requests. These invalid requests will not be considered in Denominator. Ability of identifying the invalid requests will demonstrate the functional requirement in (g)(7)(i). As a response to the valid requests, the numerator count which is total no. of Successful API responses from EHR Your Way will have the total no. of valid requests for which data is sent in CCD format for the patients.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** All the Data logs for API show successful transmission; also denies the requests which are invalid or unauthorized.

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### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(b)(1): Transition of care

### **Measure:**

**Sending:** The total percentage of successful Transitions of Referral Summary through Direct Address

Denominator = Total no. of transitions of Referral Summary initiated in EHR Your Way - (Total no. of transitions failed due to Data entry of users without following standards + Total no. of transitions failed due to recipient issues)

Numerator = Total no. of successful transmissions delivered successfully and received confirmation

Total % of Successful Transmissions = (Numerator/Denominator) X 100

**Receive:** The total percentage of successful incoming CCDA which are mapped to patient chart

Denominator = Total no. of Incoming CCDA – Total no. of Invalid Incoming CCDA

Numerator = Total no. of Incoming CCDA from Denominator matching to patient chart and imported successfully

**Description:** The data logs which are collected for calculating the Total percentage of successfully transmitted referral summaries through Direct address, Sending Denominator will give the count of TOC transition and total no. of TOC which were not transferred due to data entry standard issues or recipient issues. Since, the data entry standard issue or recipient issues are uncontrolled we exclude those messages from denominator. Similarly, Total no. of receiving or incoming CCDA will demonstrate that EHR Your way is having a working module of accepting incoming CCDA files through direct message. Receiving Numerator count will explain that EHR has a functioning module which allows users to map the valid incoming CCDA files to patient chart.

**Justification:** The Testing of this measure is done for both Sending and Receiving capabilities of EHR Your Way. Denominator of Sending TOC helps to monitor if EHR Your Way is able to transmit Referral summary to Direct Messages which are provided by Surescript. If the direct message is invalid or recipient is unable to accept the message system will record the errors. This explains that EHR has the capability of sending only valid referral summary to external direct messages. Similarly, Receiving Denominator and Numerator explains that EHR Your way can receive any CCDA file and match it with

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patients and has capability to link those messages to charts. EHR will also validate and restrict the users to map the files to the chart which are invalid.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected outcome:** Data base logs are noticed with zero standard based errors. Report from EHR Your Way will be compared with logs in "Surescript". Only valid CCDA files are allowed to be transmitted to external direct address and invalid CCDA files are not allowed to be transmitted from EHR. Similarly valid incoming CCDA files are allowed to be linked to patient charts and invalid are not allowed to be linked to patient charts.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(b)(2): Clinical information reconciliation and incorporation

### **Measure:**

1. Total % of CCDA files for which reconciliation and incorporation is performed.  
Denominator1: Total no. of valid CCDA received.  
Numerator1: Total no. of CCDA files for which Allergies or Medications or Problem are reconciled and incorporated.  
Total % 1:  $[\text{Total no. of valid CCDA received} / \text{Total no. of CCDA files for which Allergies or Medications or Problem are reconciled and incorporated.}] * 100$
2. Total % of TOC files generated after incorporation is performed:  
Denominator2: Total no. of patients for whom Reconciliation and incorporation of data is performed.  
Numerator2: Total no. of patients in denominator for which TOC is generated and transmitted successfully.  
Total % 2:  $[\text{Total no. of patients in denominator for which TOC is generated and transmitted successfully.} / \text{Total no. of patients for whom Reconciliation and incorporation of data is performed.}] * 100$

**Description:** The denominator count is based on data log which gives the count of total incoming CCDA files (both CCDA release 2.1 and 1.1 standards). The numerator 1 count is about the count of files for

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which reconciliation is performed and incorporated to patient chart. The numerator 2 count is based on the patients for whom CCDA is generated after performing Reconciliation and incorporation of CCDA to patient charts. The data required for attaining the total % 1 and 2 is collected from EHR data base between the data log monitoring schedule of 5 days.

**Justification:** The measure needs capabilities of mapping CCDA files to patient chart and performing reconciliation of patient problem list, allergies and medications. Also, EHR must be able to generate Referral summary after reconciliation and incorporation. The denominator and numerator counts which are pulled from data log will give the count of such records.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

### **Expected outcome:**

- a) EHR will successfully accept at least one Incoming CCDA Messages and Map to Patient charts.
- b) For at least one patient Medication Reconciliation is performed for Medication allergies, Problem list and Medications.
- c) For at least one patient TOC is generated successfully for whom Reconciliation is performed.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(b)(3): Electronic prescribing

### **Measure:**

1. Transmit ERx :  
Denominator: Total no. of Electronic Prescription Orders initiated EHR  
Numerator: Total no. of Prescriptions which were sent successfully to Pharmacy
2. Rx Change Request:  
Denominator: Total no. of Rx Change requests received  
Numerator: Total no. of Rx Change responses sent successfully to Pharmacy
3. RxFill Status Notifications:  
Denominator: Total no. of Electronic Prescriptions transmitted  
Numerator: Total no. of Prescriptions for which we received RxFill Status Notification

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4. Cancel Rx:  
Denominator: Total no. of prescriptions for which Electronic Cancel Rx is initiated  
Numerator: Total no. of prescriptions for which Cancel Rx is successfully transmitted to pharmacy.
5. Medication Hx:  
Denominator: Total no. of Medication Hx requests done from EHR Your Way  
Numerator: Total no. of Medication Hx responses from Surescript to EHR Your Way
6. Diagnosis Element:  
Denominator: total no. of prescriptions including New Rx and Refill responses which are transmitted from EHR to pharmacy.  
Numerator: Total no. of prescriptions for which <Diagnosis> element is mentioned.

**Description:** The Numerator counts of the measurements mentioned above will prove that the EHR Your Way has the functionalities as expected in 170.315 (b)(3). The data log of all prescriptions is collected and out of which we will find the no. of prescriptions which were transmitted electronically. Similarly, total no. of refill request responses sent, cancel rx sent were also measured based on the denominator and numerator counts collected as mentioned in the measure. Medication hx requests logs vs medication hx responses will demonstrate the continuous working functionality of medication history. This data is collected the period of 5 days.

**Justification:** The functional expectations of 170.315 (b)(3) like Send Erx, Cancel Rx, Refill response, Rxfill, medication history and diagnosis element in the Rx messages are logged and monitored to ensure continuous working of these modules.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** EHR Your way will review the report of electronically transmitted Prescription messages. Zero errors in the transmission due to Standard failure are expected. The same is expected for Cancel Rx and Refill response.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/15/2022 12.00 AM (PST) to 01/19/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID :** 170.315(b)(6): Data export

**Measure:**

Manual Data Export: Denominator: The Total no. of Data exports initiated manually by the users.;

Numerator: Total no. of Manual Data exports completed without any errors.

Scheduled automated Data Export: Denominator: Total no. of patients for whom Data export is scheduled. Numerator: Total no. of patient data exported to the desired location successfully without errors.

**Description:** The data export criteria needs EHR to have capability to export CCDAs for multiple patients manually and also through a software which exports data to a location. The data logs of manual export will confirm that the Data export is working without errors. The data logs for Schedule automated data export will prove that scheduled data export is working as per schedule and CCDAs files are exported accordingly. The manual data export performed by the user and automated data export data logs are collected as per the schedule and monitored to ensure EHR has a functioning Data Export module.

**Justification:** As mentioned in the certification criteria 170.315 (b)(6), Manual Data export Denominator will demonstrate that EHR can support Multiple patient Data export. The numerator count will demonstrate the total manual data exports which were successful. Similarly, EHR provides software to schedule CCDAs data exports to a storage location. Using this software user can schedule the data export of multiple patients on to a storage location. The denominator and numerator of Scheduled automated data export will demonstrate the scheduled data export requirement. All the files which are getting exported will undergo a validation and holds the patient data if it user documentation is not a valid entry or does not follow the required standards for documentation.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:**

- a) Multiple patient Manual Export Data base logs must be reviewed and all the attempts to export data in CCDAs format must be successful. Only the patients who have invalid data must fail to export.
- b) Review the Data base log of Files which are exported through Automatic CCDAs Data export software. Successful export of patient data to desire location will be manually inspected and note the CCDAs files count to compare with the Data base log.

Successful Data export of CCDAs files in both the above cases is considered as Success for the test criteria.

**Milestones/Timelines:**

## EHR Your Way: Real World Testing Plan

Data log monitoring Schedule: 01/14/2022 12.00 AM (PST) to 01/19/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(e)(1): View, download, and transmit to 3rd part

**Measure:** Total percentage of patient for whom CCDA is made available to view, download and transmit. Out of which Total percentage of patient who performed the actions view or download or transmit of CCDA files.

Denominator = Total no. of patient visits during the Data log monitoring schedule period.

Numerator = Total no. of patients from Denominator for whom CCDA is made accessible and actions like view or download or transmit is performed.

Total Percentage =  $\frac{(\text{Numerator})}{(\text{Denominator})} * 100$

**Description:** The measure total percentage of patients for whom CCDA is made available to view, download and transmit will demonstrate that EHR Your way has a working module to CCDA view download and transmit to patient. The data logs of Denominator based on the appointment schedule will give us the count of patients for whom the CCDA is supposed to be made available. Data logs of patients from Denominator, for whom CCDA is viewed, downloaded or transmitted. This would give the combine count of patients who performed the actions of View, Download of CCDA and Transmission of CCDA using the data provided by EHR Your Way.

Data logs like:

- a) Total no. of patients visited during Data logging schedule.
- b) Total no. of patients for whom CCDA is made accessible
- c) Total no. of patients who performed CCDA View action.
- d) Total no. of patients who performed CCDA downloads action.
- e) Total no. of patients who performed CCDA transmission action.

\*Note: Even if patient performs all 3 actions view, download and transmission it will be counted only as 1 for numerator. The collection of above logs is to prove that EHR is having a functioning module.

**Justification:** As specified in 170.315 (e)(1)(i)(A-D), the data logs collected for calculating the percentage of patients for whom CCDA is made available will explain that EHR is having ability to provide CCDA to patient or authorized people. The data logs of View, Download and Transmit will help demonstrate how frequently user is using these functionalities.

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**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** Expected Outcome for Continued Functionality Test: At least one patient out of Denominator will perform actions of View or Download or transmit.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(c)(1), (2), (3): Record and export; Import and Calculate; Report

**Measure:** Total percentage of successful exports of Valid QRDA 1

Total percentage of Successful exports of QRDA 3 files by the user.

Measure QRDA 1 Denominator: Total no. of attempts made to export QRDA 1 – Total no. of attempts failed due to validations

Measure QRDA 1 Numerator: Total no. of successful attempts in exporting QRDA 1

Total % of successful exports of Valid QRDA 1 = [Measure QRDA 1 Numerator/ Measure QRDA 1 Denominator]\* 100

Measure QRDA III Denominator: Total no. of attempts made to export QRDA III by the users – Total no. of attempts failed due to validations.

Measure QRDA III Numerator: Total no. of successful export of QRDA III by the users

Total % of successful exports of valid QRDA III = [Measure QRDA III Numerator/ Measure QRDA III Denominator]\*100

**Description:** The data logs required for this measure are collected for the duration of 20 days. To ensure that EHR has ability to validate the QRDA files before exporting we measure the percentage of successful exports by logging the information of total QRDA exports Vs. total QRDA successful exports. To ensure that EHR has ability to allow users to document all required data for QRDA 1 we collect the data logs of Total no. of Data entry done per QRDA 1 Component. This proves EHR has ability to Record QRDA 1 component data. In production providers do not actually use import functionality, so there is no scope of testing for this function. Generation of QRDA 1 and III proves EHR has ability to calculate, Report and export the files based on specifications mentioned in 170.315 (c ) 1,2,3.

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**Justification:** The successful attempts of exporting QRDA 1 and III will demonstrate that user can export this information without help of technical person. EHR validates the files which are getting exported and user will receive validations if required data is not recorded which are mandatory to generate respective files. The successful export of QRDA 1 and III proves EHR Your Way has the functionality working as expected in this certification criteria.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** Successful QRDA 1 and III export.

Data base logs related to the update of Patients count in the CQM calculator must be successful between the dates ranges selected for these criteria. Data in the Data base tables which save the component level data are updated successfully.

QRDA 1 and III export logs must be reviewed and notice the successful export; if failure of export is noted it must be due to invalid data or Data validations.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/05/2022 12.00 AM (PST) to 01/25/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(h)(1) Direct Project

### **Measure:**

**Outgoing:** Total percentage of Successful outgoing transmissions of Clinical messages through Direct Address.

**Denominator:** Total no. of Outgoing Transmissions initiated from EHR Your Way.

**Numerator:** Total no. of Outgoing Transmissions for which successful statuses is received from Surescript console

Total % of Successful Outgoing Transmissions = [Numerator/Denominator] \* 100

**Incoming:** Total percentage of Successful Incoming Transmissions of Clinical Messages through Direct Address.

**Denominator:** Total no. of Incoming Transmissions received to a specific Direct address in Surescript.

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Numerator: Total no. of Incoming Transmissions for which are successfully displayed in EHR from Denominator.

Total % of Successful Incoming Transmissions =  $[\text{Numerator}/\text{Denominator}] * 100$

**Description:** The data base logs of total outgoing and incoming clinical messages is collected to calculate the percentage of successful transmissions which proves EHR has this feature working in real time. This data is collected as per the scheduled data logging period of 5 days. The Denominator counts which show the count of Outgoing and Incoming transmissions. The numerator count will demonstrate that EHR is able to send and receive clinical messages through direct address. The comparison of data of EHR Your way with Surescript messages will help to find the percentage of successful transmissions and track the errors.

**Justification:** When we log the data for Sending and Receiving we will collect the information of total messages which are initiated to send and also the count of messages received into the EHR data base for a specific direct address. While sending the clinical message the recipient may have issues due to which we will not receive a successful notification. Similarly for incoming clinical messages, we will collect the count of total incoming messages to a specific direct address as denominator in Surescript, EHR must be able to show all the incoming messages to the users and there will be a flag in data logs which will get updated as soon as it is displayed for user. Surescript is the vendor through which both sending and receiving of clinical messages is performed and comparing the logs of both the systems will prove EHR can both receive and transmit clinical messages through Direct Address.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** EHR Your Way logs of all clinical messages transmitted through direct address are successful. Only the messages which failed must be due to the issues from Recipient. These logs must be compared with Surescript logs and finalize that all the incoming and outgoing transmissions are successful.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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## EHR Your Way: Real World Testing Plan

**Associated Criteria ID:** 170.315(f)(5): Transmission to public health agencies - electronic case reporting

**Measure:** Total percentage of electronic case reports generated and transmitted.

**Denominator:** Total no. of encounters which meets the Trigger requirement for Generating Electronic Case report.

**Numerator1:** Total no. of encounters from Denominator for which Electronic case report is generated.

**Numerator2:** Total no. of encounters from Denominator for which Electronic Case report is transmitted to Public health Agencies.

Total percentage of electronic case reports generated and Transmitted =  $[(\text{Numerator 1} + \text{Numerator 2}) / \text{Denominator}] * 100$

**Description:** The data logs of encounters which meet the Triggers required for Electronic case reporting is collected for the duration of 5 days as per the data log schedule. The denominator count will prove that EHR has capability of generating Triggers based on the Trigger codes table. The numerator 1 will demonstrate that EHR has capability of generating electronic case report based on trigger. Then numerator 2 is collected for the practices which have established connectivity with a public health agency. This is the count of Electronic case reports which are transmitted to public health agencies.

**Justification:** The requirements of Electronic case reporting are to attain the capability of maintain the Table for Trigger codes, identify the encounters which meet the trigger, generate the electronic case report and transmit it to public health agencies. According to this requirement the logs are collected and total percentage of successful electronic case reports generated and transmitted are calculated.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** The visits recorded in denominator must be based on Trigger table and EHR must be able to generate Electronic case report ready for transmission for all encounters which are considered in denominator.

### **Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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**Associated Criteria ID:** 170.315(f)(1) Transmission to immunization registries

**Measure:**

1. Total percentage of Immunization messages transmitted to Immunization Registries  
Denominator: total no. of Vaccination information recorded.  
Numerator: Total no. of Immunization messages transmitted to Immunization Registries.  
Total %: [Total no. of Immunization messages transmitted to Immunization Registries / total no. of Vaccination information recorded] \* 100
2. Total percentage of successful requests executed to get Vaccine history  
Denominator: Total no. of Vaccine History requests initiated in EHR  
Numerator: Total no. of Vaccine History responses received from Immunization Registry and displayed.  
Total %: [Total no. of Vaccine History responses received from Immunization Registry and displayed/ Total no. of Vaccine History requests initiated in EHR] \* 100
3. Total percentage of successful request executed to get Vaccine forecast of patients.  
Denominator: Total no. of requests initiated in EHR to get Vaccine forecast of patients  
Numerator: Total no. of Vaccine forecast results received from Immunization Registry.  
Total %: [Total no. of Vaccine forecast results received from Immunization Registry/ Total no. of requests initiated in EHR to get Vaccine forecast of patients] \* 100

**Description:** The data logs of Vaccination records, Vaccine hx requests and responses, vaccine forecast requests and response are collected during the data logging schedule of 5 days. This data will prove that EHR has the real time working modules to send vaccination information to registry, request vaccine hx and receive response; request vaccine forecast and receive response from Immunization registries.

**Justification:** The measure has total 3 percentages which will help to demonstrate the requirements for sending Immunization information to registries, request vaccine hx and receive response; request vaccine forecast and receive response. All the messages generated from EHR are based on HL7 2.5.1 Implementation Guide (IG) for Immunization Messaging (IM), Release 1.5. This would satisfy the requirement of these test criteria.

**Care Setting:** Testing is focused on Ambulatory Settings. Most of our client base is Eligible Providers who treat outpatients.

1 Internal Medication practice database will be used for collecting required data logs.

**Expected Outcome:** Expected Outcome for Continued Functionality Test: The report of all immunization messages transmitted to registry must show zero errors. If an error is observed it is expected to be error from recipient. No standard related errors are expected.

**Milestones/Timelines:**

Data log monitoring Schedule: 01/10/2022 12.00 AM (PST) to 01/14/2022 11.59 PM (PST)

EHR Your Way: Real World Testing Plan

Data Analysis Schedule: 03/15/2022 to 03/25/2022

Result Reporting Schedule: 04/05/2022

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Attestation:

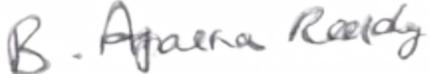
“This Real World Testing plan is complete with all required elements, including measures that address all certification criteria and care settings. All information in this plan is up to date and fully addresses the health

IT developer’s Real World testing requirements.”

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Authorized Representative Phone: 619-922-0666

Authorized Representative Signature: 

Date: 11/21/2021