

EHR Your Way - Real World Testing Results - 2022

Plan Report ID Number: 20211119ADA

Developer Name: Adaptamed, LLC

Product Name: EHR Your Way

Version Number: 9.2.0.0

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

Current: 15.02.05.1042.ADAP.01.01.0.211220

Previous: 15.02.02.1042.A079.01.00.0.181121

Developer Real World Testing Plan Page URL: <https://ehryourway.com/certification/>

Developer Real World Testing Results Report Page URL [if different from above]: Same as above

Summary of Testing Methods and Key Findings:

All the measures are tested based on the data logs in from our production servers. Based on the logs we analyzed the required denominator and numerator counts of the listed measures below.

Crieteria 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)(2)(3)	Record and export, 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

It is observed all the required functionalities are working as expected and no non confirmatory is observed after analyzing the data logs.

Standard's Updates: No, None of my products include these voluntary standards.

Changes to Test Plan: No changes made to the test plan.

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Key Milestones:

Briefing about the test plan and execution process: 01/14/2022

Data logs

Crieteria ID	Description	Dates to capture the Data logs for Monitoring
170.315(g)(9)	Application access - all data request	01/10/2022 to 01/14/2022
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	01/15/2022 to 01/19/2022
170.315(b)(3)	Electronic prescribing	
170.315(c)(1)	Record and export	01/05/2022 to 01/25/2022
170.315(c)(2)	Import and Calculate	
170.315(c)(3)	Report	

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Care Settings: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

Associated Criterion: 170.315(g)(9): Application access - all data request

Metrics and Outcomes

Measurement/Metric:

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 Token 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 Responses 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.

Relied Upon Software: NA

Outcomes: Total % of successfully transmissions.

Denominator = (3 – 1) = 2

Numerator = 2

Total % of Successful Transmissions = (2/2) X 100 = 100%

The Denominator outcome explains that we are able to identify the invalid requests and respond with error. The numerator count explains that all valid requests are responded appropriately.

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Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

Associated Criterion: 170.315(g)(8): Application access - data category request

Metrics and Outcomes

Measurement/Metric:

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

Outcomes:

Total % of successfully transmissions.

Denominator = (7 – 1) =6

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Numerator = 6

Total % of Successful Data Category Transmissions = $(6/6) \times 100$

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

Key Milestones, Date/Timeframe:

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

Relied Upon Software: NA

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

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 = $(\text{Numerator}/\text{Denominator}) \times 100$

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.

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Relied Upon Software: NA

Outcomes: Total % of successfully transmissions.

Denominator = $(10 - 3) = 7$

Numerator = 7

Total % of Successful Data Category Transmissions = $(7/7) \times 100 = 100\%$

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

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

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 Outgoing Transmissions = $(\text{Numerator}/\text{Denominator}) \times 100$

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

Total % of successful Incoming Transmissions = $(\text{Numerator}/\text{Denominator}) \times 100$

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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.

Outcomes:

Sending TOC: Total % of Successful Outgoing Transmissions = $(2-1/1) \times 100 = 100\%$

We received one error from the recipient. It is observed that recipient address is invalid used by sender is invalid. Also there is a record of successful transmission. This proves we are able to transmit referrals to a valid address and record error for an invalid recipient. This proves we are 100 % results.

Receive TOC: Total % of successful Incoming CCDA Transmissions which are mapped to patient chart = $(38 / 296 - 0) \times 100 = 12\%$

The denominator of Incoming CCDA shows we can receive incoming clinical messages. The numerator count demonstrates the EHR has ability to identify patients and users mapped clinical messages to patient charts without errors.

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

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.

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Total % 1: [Total no. of valid CCDA received/ 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: [Total no. of patients in denominator for which TOC is generated and transmitted successfully. / 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 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.

Outcomes:

Total % of CCDA files for which reconciliation and incorporation is performed

Total % 1: [32/ 296] * 100 = 10.81%

Total % of TOC files generated after incorporation is performed:

Total % 2: [3 / 32] * 100 = 9.37%

The outcome demonstrates that EHR can successfully accept Incoming CCDA Messages and Map to Patient charts. Patient Medication Reconciliation is performed for Medication allergies, Problem list and Medications, and patient TOC is generated successfully for whom Reconciliation is performed.

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

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Metrics and Outcomes:

Measurement/Metric:

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
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.

Outcomes:

1. Transmit ERx :
Denominator: 12773
Numerator: 12765
Total % of successful ERx transmissions = $12765/12773 \times 100 = 99.93\%$
2. Rx Change Request:
Denominator: 65
Numerator: 15
Total % of successful Rx Change Request responses = $15/65 \times 100 = 23.07\%$

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3. RxFill Status Notifications:

Denominator: 12765

Numerator: 16

Total % of Rx Fill status Notifications received from the Pharmacy = $16/12765 \times 100 = 0.12\%$

4. Cancel Rx:

Denominator: 13

Numerator: 13

Total % of successful transmissions of Cancel Rx to pharmacy = $13/13 \times 100 = 100\%$

5. Medication Hx:

Denominator: 163

Numerator: 162

Total % of Medication hx successful transmissions = $162/163 \times 100 = 99.38\%$

6. Diagnosis Element:

Denominator: 12773

Numerator: 33

Total % of Medication for which Diagnosis element was sent successfully: 0.25%

The above statistics demonstrates that EHR can transmit all required prescriptions without errors. Zero errors in the transmission due to Standard failure are observed. It is observed that 33 prescriptions are sent with Diagnosis element. This proves our EHR has capability of sending Rx with Diagnosis element.

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

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.

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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 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.

Outcomes:

Manual Data Export:

Denominator: 276.;

Numerator: Total 269

Total % of Successful Manual Data exports from EHR : $269/276 \times 100 = 97.46\%$

Scheduled automated Data Export:

Denominator: 356.

Numerator: 324

Total % of successful Scheduled automated data exports from EHR = $324/356 \times 100 = 91.01\%$

The total % of successful manual data exports and scheduled automated data exports demonstrates that EHR has working module of manual and scheduled data exports. There are patients for which Data export is not allowed as there are few mandatory fields to be documented and user failed to document.

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

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Measurement/Metric:

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 = $\left[\frac{\text{Numerator}}{\text{Denominator}}\right] * 100$

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.

Outcomes:

Total percentage of patient for whom CCDA is made available to view, download and transmit = $567/1275 * 100 = 44.47\%$

The outcome demonstrates EHR has the capability and working functionality of making CCDA available for patients to view, download and transmit electronically.

Key Milestones, Date/Timeframe:

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

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

Result Reporting Schedule: 04/05/2022

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

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.

Outcomes:

Total % of successful exports of Valid QRDA 1 = [326/336-10]* 100 =100%

Total % of successful exports of valid QRDA III = [194/201-7]*100 = 100%

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The outcome demonstrates that EHR is capable of exporting QRDA 1 and III. It also performs xml validation and identify the errors against xsd files.

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

Outgoing: Total percentage of Successful outgoing transmissions of Clinical messages through Direct Address. $\text{Total \% of Successful Outgoing Transmissions} = [\text{Numerator/Denominator}] * 100$

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

Incoming:

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

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

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

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

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.

Outcomes:

Outgoing: Total percentage of Successful outgoing transmissions of Clinical messages through Direct Address. $\text{Total \% of Successful Outgoing Transmissions} = [3-1/3] * 100 = 66.66\%$

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Incoming: Total percentage of Successful Incoming Transmissions of Clinical Messages through Direct Address. Total % of Successful Incoming Transmissions = $[296/296] * 100 = 100\%$

The outgoing and incoming percentages demonstrate that EHR has capability of sending and receiving clinical messages.

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

Total percentage of electronic case reports generated and transmitted.

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

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

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

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 will demonstrate that EHR has capability of generating electronic case report based on trigger. This is the count of Electronic case reports which are transmitted to public health agencies.

Outcomes:

Total percentage of electronic case reports generated and transmitted.

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

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

Total percentage of electronic case reports generated and Transmitted = $[22]/22 * 100 = 100\%$

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The denominator of the outcome demonstrates that EHR has capability of triggering encounters based on customized trigger code table.

Key Milestones, Date/Timeframe:

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

Care Setting: Internal Medication, GI, OBGYN, Pediatrics, Psychiatric and Cardiology settings

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

Metrics and Outcomes:

Measurement/Metric:

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 %: $[\text{Total no. of Immunization messages transmitted to Immunization Registries} / \text{total no. of Vaccination information recorded}] * 100$
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 %: $[\text{Total no. of Vaccine History responses received from Immunization Registry and displayed} / \text{Total no. of Vaccine History requests initiated in EHR}] * 100$
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 %: $[\text{Total no. of Vaccine forecast results received from Immunization Registry} / \text{Total no. of requests initiated in EHR to get Vaccine forecast of patients}] * 100$

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.

Outcomes:

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1. Total percentage of Immunization messages transmitted to Immunization Registries
Denominator: 15.
Numerator: 6.
Total %: $[6 / 15] * 100 = 40\%$
2. Total percentage of successful requests executed to get Vaccine history
Denominator: 2
Numerator: 2
Total %: $[2 / 2] * 100 = 100\%$
3. Total percentage of successful request executed to get Vaccine forecast of patients.
Denominator: 1
Numerator: 1
Total %: $[1 / 1] * 100 = 100\%$

The above outcome demonstrates that EHR capabilities are working without errors. EHR can transmit messages to vaccine registries, receive vaccine hx information and also the forecast of vaccines schedule.

Key Milestones, Date/Timeframe:

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

Care Setting: 1 Pediatric Setting
