

CY 2024 Real World Testing Plan for MDVita

Executive Summary

This is the real world test plan for CY 2024 for Health Care 2000 certified EHR solution, MDVita. It provides the real world test measurements and metrics that meet the intent and objectives of ONC's Condition of Certification and Maintenance of Certification requirement for real world testing (§ 170.405 Real world testing) to evaluate compliance with the certification criteria and interoperability of exchanging electronic health information (EHI) within the care and practice setting which it is targeted for use.

As ONC has stated in its rule, "The objective of real world testing is to verify the extent to which certified health IT deployed in operational production settings is demonstrating continued compliance to certification criteria and functioning with the intended use cases as part of the overall maintenance of a health IT's certification." We have worked toward this objective in designing our test plan and its subsequent real world testing measurements and metrics.

This document builds toward the final testing measurements and metrics we will use to evaluate our product interoperability within production settings. Within each use case, we document our testing methodology for the measure/metric we plan to employ. We also include the associated ONC criteria, our justification for measurement selection, our expected outcomes from the testing, the care settings applied for this measure, and if applicable the number of clients to use in our real world testing.

We have included our timeline and milestones for completing the real world testing in CY 2024, and information about compliance with the Standards Version Advancement Process updates.

A table of contents is provided later in the plan quick access to any document section, including the testing measurements and metrics found at the end of this document. Our signed attestation of compliance with the real world testing requirements is on the following page.

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Developer 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 Signature:

A handwritten signature in black ink, consisting of several overlapping, stylized strokes that form a unique, abstract shape.

DATE: 09/22/2023

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General Information

Plan Report ID Number: MDVita-RWT-2024

Developer Name: Health Care 2000, Inc.

Product Name(s): MDVita

Version Number(s): 27

Certified Health IT Criteria v27: 315(b)(1)-(2), (b)(6), (c)(1)-(3), (e)(1), (f)(1)-(2), (g)(7)(9)(10), (h)(1), (b)(10)

Product List (CHPL) ID(s) and Link(s):

- 15.04.04.2904.MDVi.27.02.1.221020
- <https://chpl.healthit.gov/#/listing/11000>

Developer Real World Testing Page URL:

http://www.hc2000inc.com/Pages/HC2K_MDVita_MU2015_Disclosures.htm

Timeline and Milestones for Real World Testing CY 2024

- 1Q-2024: Begin communication with clients to ask for their support and participation in real world testing. The goal is to have a sufficient number of clients committed for real world testing by the end of 1Q-2024.
- 2Q-3Q 2024. During the 2nd and 3rd quarter of CY 2024, the real world testing with clients will be scheduled and performed. It is expected that a preparatory call will be done with clients to prepare them for testing activities. Results will be documented in the test results section of the test methods and ultimately used to build the test report. If any non-compliances are observed, we will notify the ONC-ACB of the findings and make the necessary changes required.
- 4Q-2024. During the last quarter of the year, the CY 2025 real world test plan will be completed according to ONC and ONC-ACB requirements and expectations. Test plan will be prepared for submission before the end of the year.
- 1Q-2025. Submit 2024 RWT Test Report to ONC-ACB.

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Standards Version Advancement Process (SVAP) Updates

For CY 2024, we implemented USCDI v1 in our C-CDAs and API support.

Standard (and version)	All standards versions are those specified in USCDI v1
Updated certification criteria and associated product	N/A
Health IT Module CHPL ID	N/A
Method used for standard update	N/A
Date of ONC-ACB notification	N/A
Date of customer notification (SVAP only)	N/A
Conformance measure	N/A
USCDI-updated certification criteria (and USCDI version)	170.315(b)(1) Transition of Care (USCDI v1)(CDA Release 2) 170.315(b)(2) Clinical Reconciliation (USCDI v1)(CDA Release 2) 170.315(e)(1) View, Download and Transmit (USCDI v1) 170.315(g)(6) Consolidated CDA Creation Performance (USCDI v1) 170.315(g)(9) Application Access – All Data Request (USCDI v1)(CDA Release 2) 170.315(g)(10) Standardized API for Patient and Population Services (USCDI v1)

Real World Testing Measurements

The measurements for our real world testing plan are described below. Each measurement contains:

- Associated ONC criteria
- Testing Methodology used
- Description of the measurement/metric
- Justification for the measurement/metric
- Expected outcomes in testing for the measurement/metric
- Number of client sites to use in testing (if applicable)
- Care settings which are targeted with the measurement/metric

In each measurement evaluate, we elaborate specifically on our justification for choosing this measure and the expected outcomes. All measurements were chosen to best evaluate compliance with the certification criteria and interoperability of exchanging electronic health information (EHI) within the certified EHR.

Testing Methodologies

For each measurement, a testing methodology is used. For our test plan, we use the following methodologies.

Reporting/Logging: This methodology uses the logging or reporting capabilities of MDVita to examine functionality performed in the system. A typical example of this is the measure reporting done for the number of C-CDAs received and/or incorporated required in 315(b)(2), but it can also be aspects of the audit log or customized reports from MDVita. This methodology often provides historical measurement reports which can be accessed at different times of the year and evaluate interoperability of EHR functionality, and it can serve as a benchmark for evaluating real world testing over multiple time intervals.

Survey/User Reported: This methodology evaluates interoperability and compliance of EHR Module capabilities through feedback from users. ONC has recognized that self-testing can be a viable method for evaluation and compliance, and this methodology can provide insight into how clinicians employ and use a feature which reveals actual value and impact of interoperability of MDVita.

Number of Clients Sites

Within each measure, we note the minimum number of clients or client sites we plan to use for this measure evaluation. The numbers vary depending on the methodology as well as overall use of the associated EHR Module criteria by our users. For criteria that are not widely used by

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our customer base, we may test the respective measure in our own production-sandbox environment given lack of customer experience with the criteria functionality.

Care and Practice Settings Targeted

Our EHR is primarily targeted to general ambulatory practices, and our measures were design for this setting in mind. In each measure, we do also address the care settings targeted and note any necessary adjustment or specific factor to consider with this specific measure.

RWT Measure #1. Number of Transition of Care C-CDAs Successfully Sent

Associated Criteria: 315(b)(1), 315(h)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are created and successfully sent from MDVita to a 3rd party via Direct messaging during a transition of care event over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that MDVita can create an C-CDA patient summary record, including ability to record all clinical data elements, and by sending the C-CDA patient summary record, MDVita demonstrates successful interoperability of an exchanged patient record with a 3rd party. This measurement shows support for Direct Edge protocol in connecting to a HISP for successful transmission.

Relied Upon Software

MDVita Direct messaging relies upon EMR Direct mail software. Clients must have enrolled with EMR Direct and have the module enabled in MDVita.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, to determine our measure count.

Record enrollment and status of EMR Direct relied upon software.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita can create the C-CDA patient summary record, including record required clinical data elements. In sending the C-CDA patient summary record, MDVita will demonstrate ability to confirm successful interoperability of an exchanged patient record with a 3rd party, including support for Direct Edge protocol in connecting to a HISP. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for MDVita and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

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We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #2. Number of C-CDAs Received and/or Incorporated

Associated Criteria: 315(b)(2)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are successfully received and/or incorporated upon receipt from a 3rd party via Direct messaging during a transition of care event over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that MDVita can receive a C-CDA patient summary record, and by incorporating the C-CDA patient summary record, MDVita demonstrates successful interoperability of problems, medications, and medication allergies of patient record with a 3rd party. This measurement shows support for Direct Edge protocol in connecting to a HISP for successful transmission.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita can receive a C-CDA patient summary record. In incorporating the C-CDA patient summary record, MDVita will demonstrate successful interoperability of problems, medications, and medication allergies of patient record with a 3rd party, including support for Direct Edge protocol in connecting to a HISP. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

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Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

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RWT Measure #3. Number of Patient Batch Exports Run

Associated Criteria: 315(b)(6)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many batch exports of C-CDAs were successfully performed by MDVita over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that MDVita can create a batch export of multiple C-CDA patient summary records.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita can create a batch export of multiple C-CDA patient summary records, which can be used in means of health IT interoperability. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #4. Number of Patients Given Access to Portal

Associated Criteria: 315(e)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many patients are given login access to their patient portal account over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate how often this interoperability feature is being used. An increment to this measure indicates that MDVita can supply patient health data to the patient portal and provide an account for the patient to use in accessing this data.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita can submit patient health data to the patient portal on a regular and consistent basis as well provide an account for the patient to use in accessing this data. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

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RWT Measure #5. Number of Patients Who Accessed/Logged in to Portal

Associated Criteria: 315(e)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many patients are successfully logged into and accessed their patient portal account over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that patients can log into their patient portal to view, download, or transmit their health data.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that patients can log into their patient portal to view, download, or transmit their health data. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

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RWT Measure #6. Number of Immunization Messages Successfully Sent to IIS/Immunization Registries

Associated Criteria: 315(f)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many immunization messages are created and successfully sent from MDVita to an IIS/immunization registry over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that MDVita can create an immunization message, including ability to record all clinical data elements, and by sending the message, MDVita demonstrates successful interoperability with an IIS/immunization registry.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita can create the HL7 immunization record, including ability to record the required clinical data elements. In sending the immunization message, MDVita will demonstrate ability to confirm successful interoperability of patient's immunization data to an IIS/immunization registry. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a

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sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #7. Number of Patient Immunization History Queries Sent

Associated Criteria: 315(f)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many patient immunization history queries are created and successfully sent from MDVita to an IIS/immunization registry over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that MDVita can create a patient immunization history query message, and by sending the message, MDVita demonstrates successful interoperability with an IIS/immunization registry.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, to determine our measure count.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita can create the HL7 immunization history query of a patient. In sending the immunization message, MDVita will demonstrate ability to confirm successful interoperability with an IIS/immunization registry. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a

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sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #8. Number of API Queries Made with Data Element Results Successfully Returned

Associated Criteria: 315(g)(10)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many successful API queries of patient data elements from MDVita to a 3rd party via API over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that a 3rd party can query the clinical resources of the patient health record via the API interface and thus demonstrate API interoperability.

Relied Upon Software

MDVita relies upon EMR Direct Interoperability 2021 software for API queries interface. Clients must have enrolled with EMR Direct phiQuery engine and have the module enabled in MDVita

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, to determine our measure count. Numeric results will be provided for two use cases: Standalone-launch for a single patient use (Patient Services), and internal EHR application “EHR-launch” (Population Services).

Record enrollment and status of EMR Direct relied upon software.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that a 3rd party client can be authenticated, that the patient record can be properly identified and selected, and that MDVita can make patient data accessible via its API interface. Successfully completing this measure also implies the public API documentation is accurate and sufficient for 3rd parties to connect and use the API while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

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We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of one (1) client practice(s) as this is not a widely used feature by our user community.

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RWT Measure #9. Number of API Queries Made with C-CDA Documents Successfully Returned

Associated Criteria: 315(g)(7), (g)(9)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many C-CDAs are created and successfully sent from MDVita to a 3rd party via API query over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that a 3rd party can query the C-CDA of the patient health record via the API interface and thus demonstrate API interoperability.

Relied Upon Software

MDVita relies upon EMR Direct Interoperability 2017 software for API queries interface. Clients must have enrolled with EMR Direct phiQuery engine and have the module enabled in MDVita.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, to determine our measure count.

Record enrollment and status of EMR Direct relied upon software.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that a 3rd party client can be authenticated, that the patient record can be properly identified and selected, and that MDVita can make a C-CDA of the patient data accessible via its API interface. Successfully completing this measure also implies the public API documentation is accurate and sufficient for 3rd parties to connect and use the API while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

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Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of one (1) client practice(s) as this is not a widely used feature by our user community.

RWT Measure #10. Number of Direct Messages Successfully Sent

Associated Criteria: 315(h)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many Direct messages were successfully sent from MDVita to a 3rd party over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that MDVita can create a Direct message and demonstrates successful interoperability of an exchanged message with a 3rd party.

Relied Upon Software

MDVita Direct messaging relies upon EMR Direct mail software. Clients must have enrolled with EMR Direct and have the module enabled in MDVita.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, to determine our measure count.

Record enrollment and status of the EMR Direct relied upon software.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita and its HISP can be authenticated with DirectTrust, create a Direct message, and demonstrate interoperability of an exchanged message with a 3rd party. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

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Care Settings and Number of Clients Site to Test

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RWT Measure #11. Number of Direct Messages Successfully Received

Associated Criteria: 315(h)(1)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many Direct messages were successfully received by MDVita from a 3rd party over the course of a given interval.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement. An increment to this measure indicates that MDVita can receive a Direct message and demonstrates successful interoperability of an exchanged message from a 3rd party.

Relied Upon Software

MDVita Direct messaging relies upon EMR Direct Interoperability 2021 software. Clients must have enrolled with EMR Direct and have the module enabled in MDVita.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize various reports and audit logs, including Automated Measure (315.g.2) reports, to determine our measure count.

Record enrollment and status of EMD Direct relied upon software.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita and its HISP can be authenticated with DirectTrust, receive a Direct message, return a MDN, and demonstrate interoperability of an exchanged message with a 3rd party. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for this EHR Module and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected interoperability use so it can be used in subsequent real world testing efforts.

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Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #12. What are the number of different HISPs/HIEs/HINs you connect to from your EHR?

Associated Criteria: 315(b)(1)

Testing Methodology: Survey/User Reported

Measurement Description

This is a survey measure to determine how many different transport systems have integrated and been used by your EHR.

Measurement Justification

This measure will survey users to determine real world interoperability and usability, specifically how many different exchange partners, such as HISPs, HIEs, or HINs have connected with your EHR for exchanging of data.

A survey or self-testing can often provide more information on the impact and value of an interoperability element than a standard software test evaluation. This survey measure will reveal the number of different interoperability solutions for C-CDA data exchange that have successfully integrated with the certified EHR.

Measurement Expected Outcome

The user will be asked the survey question and given the survey answer choices below:

- Numeric answer to the question, and if willing, the names of the other systems.

The answer will provide insight into how clinicians view both the use and value of this interoperability feature. For example, response may show that additional training is needed to better utilize the feature or that it is not currently utilized as currently designed. It will provide a benchmark for evaluate future surveys as well as to share insight into any new development for improvements or enhancements of the health IT system.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #13. Do you successfully record, calculate, and submit clinical quality measures to CMS using the EHR and if so, which CQMs were submitted?

Associated Criteria: 315(c)(1)-(c)(3)

Testing Methodology: Survey/User Reported

Measurement Description

This is a survey/user reported measure to determine if users were able to successfully submit CQMs to CMS using MDVita's eCQM functionality.

Measurement Justification

This measure will survey users to which of their CQMs they were able to successfully calculate and submit to CMS using MDVita's functionality.

CQMS submission is done by the user so a survey/user reported outcome is the best way to document this interoperability feature. It will reveal if users are using the CQM certified capabilities of CQM recording, calculation, and submission are working as expected. This measure covers all three of the CQM criteria (315(c)(1)-(c)(3)).

Relied Upon Software

MDVita relies upon popHealth software for calculating the clinical quality measures. popHealth is always available in MDVita by default, no enrollment or activation necessary.

Measurement Expected Outcome

The user will be asked the survey questions and given the survey answer choices below:

- Numeric answer to the question, and if willing, the CQMs submitted.

The answer will provide insight into how clinicians view both the use and value of this interoperability feature. For example, response may show that additional training is needed to better utilize the feature or that it is not currently utilized as currently designed. It will provide a benchmark for evaluate future surveys as well as to share insight into any new development for improvements or enhancements of the health IT system.

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Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of two (2) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.

RWT Measure #14. How many different syndromic registries do you connect with?

Associated Criteria: 315(f)(2)

Testing Methodology: Survey/User Reported

Measurement Description

This is a survey measure to determine the number of syndromic surveillance public health registries you use.

Measurement Justification

This measure will survey users to determine real world interoperability and usability, specifically many different public health syndromic surveillance registries are used by the provider.

A survey or self-testing can often provide more information on the impact and value of an interoperability element than a standard software test evaluation. This survey measure will the number and names of syndromic surveillance public health registries which are integrated with MDVita.

Measurement Expected Outcome

The user will be asked the survey question and given the survey answer choices below:

- Numeric answer to the question, and if willing, the names of the other systems.

The answer will provide insight into how clinicians view both the use and value of this interoperability feature. For example, response may show that additional training is needed to better utilize the feature or that it is not currently utilized as currently designed. It will provide a benchmark for evaluate future surveys as well as to share insight into any new development for improvements or enhancements of the health IT system.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of one (1) client practice(s) as this is not a widely used feature by our user community.

RWT Measure #15. Electronic Health Information Export

Associated Criteria: 315(b)(10)

Testing Methodology: Reporting/Logging

Measurement Description

This measure is tracking and counting how many times an authorized User produced an export of Electronic Health Information in a given period.

We will capture the results for this measure for a minimum of three (3) months.

Measurement Justification

This measure will provide a numeric value to indicate both the how often this interoperability feature is being used as well as its compliance to the requirement by counting instances of success or failure. An increment to this measure indicates that MDVita can create EHI exports, including ability to record all clinical data elements, and documents.

Relied Upon Software

MDVita EHI Export relies upon Microsoft Azure BLOB Storage. Clients must have enrolled with Microsoft Azure cloud and have the module enabled in MDVita.

Measurement Expected Outcome

The measurement will produce numeric results over a given interval. We will utilize the export execution historical log to determine our measure count of how many successfully and failed exports are there.

A successful measure increment indicates compliance to the underlying ONC criteria. It will show that MDVita can create EHI data exports, including all clinical data, and stored documents. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for MDVita and an overall support for the user experience while not completing this measure may indicate lack of understanding or possibly lack of use or need for this functionality.

We will use the measure count to establish a historic baseline of expected use so it can be used in subsequent real world testing efforts.

Care Settings and Number of Clients Site to Test

We designed this measure to test the small practice, general ambulatory clinics that we support and target. We will test a minimum of three (3) client practice(s). This number covers a sufficient percentage of existing practices to provide a viable sample of users of the certified EHRs.