

Real World Testing Plan 2023



GENERAL INFORMATION

Plan Report ID Number: Ezderm_2023_RWT_Plan

Developer Name: Ezderm LLC

Product Name(s): Ezderm

Version Number(s): 4.0

Certified Health IT: 15.04.04.2987.EZDE.04.02.1.220602

Product List (CHPL) ID(s): 15.04.04.2987.EZDE.04.01.1.220602

Developer Real World Testing Page URL: <https://www.ezderm.com/fully-certified>



JUSTIFICATION FOR REAL WORLD TESTING APPROACH

Ezderm is a Dermatology-specific EHR utilized in private practices. Ezderm has established a plan to demonstrate interoperability and functionality of its certified module criteria in a real-world setting with actual patient encounter data. By testing the methods described below, we will be able to demonstrate that all required testing criteria are being used by our users as designed and certified. The designed test plan will demonstrate that our EHR is functional and compliant with ONC guidelines and requirements, as certified. This Test Plan will cover multiple criteria within the natural flow of a patient encounter.

- 1170.315 (b)(1) - Transitions of Care
- 170.315 (b)(2) - Clinical Info Reconciliation and Incorporation
- 170.315 (b)(3) - Electronic Prescribing
- 170.315 (b)(6) - Data Export
- 170.315 (c)(1) - Clinical Quality Measures (CQMs) —Record and Export
- 170.315 (e)(1) - View, Download, and Transmit to 3rd Party
- 170.315 (h)(1) - Direct Project
- 170.315 (f)(4) - Transmission to Cancer Registries
- 170.315 (g)(7) - Application Access - Patient Selection
- 170.315 (g)(8) - Application Access - Data Category Request
- 170.315 (g)(9) - Application Access - All Data Request

**STANDARDS UPDATES (INCLUDING STANDARDS VERSION
ADVANCEMENT PROCESS (SVAP) AND UNITED STATES CORE DATA FOR
INTEROPERABILITY (USCDI))**

Standard (and version)

N/A

**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)**

N/A

MEASURES USED IN OVERALL APPROACH

DESCRIPTION OF MEASUREMENT/METRIC

Measurement/Metric	Description
Care Coordination - Receiving C-CDA Encounter Summaries via Direct Messaging	Ability for users to go to their inbox to receive and view any Direct Messages that have been sent to them from outside sources which contain a C-CDA file.
Care Coordination - Importing/Reconciliation of Clinical Data into Patient Chart	Upon receipt of a C-CDA file, ability to match the document to the correct patient and subsequently import the clinical data into the patient chart.
Care Coordination - Reconciliation of Clinical Data Into Encounters	Once clinical information, received via C-CDA, has been imported into a patient chart, users then have the ability to reconcile clinical information within an encounter (Medications, Allergies, and Problems).
Clinical Documentation - Adding a Medication and Electronic Prescribing	User has the ability to check and address refill requests and add the desired medication and prescription details for a patient and send to a specified pharmacy electronically.
Clinical Documentation - Management of Electronic Prescriptions	Checking status of e-prescriptions to see if it was successfully sent, failed, or if an RX Change or Refill Request message has been transmitted by the pharmacy.

MEASURES USED IN OVERALL APPROACH

DESCRIPTION OF MEASUREMENT/METRIC

Measurement/Metric	Description
Care Coordination - Sending C-CDA Encounter Summaries via Direct Messaging	For any patient with the requisite clinical data entered into an encounter, users have the ability to generate a C-CDA document and send it to another physician via Direct Messaging.
Patient Engagement - Ability to Manage Health Information	Patient logs into the patient portal to view C-CDA file(s) generated from a given D.O.S. and can view, download, and transmit the document(s) directly from the portal.
Clinical Quality Measures - Record and Export	Ability for users to record data that would be necessary to calculate selected CQM's and export the information as a data file.
Public Health - Cancer Registry Reporting	For any patient with a reportable cancer diagnosis, the user has the ability to view, edit, and document necessary clinical information and generate a report that can be submitted to a cancer registry.
Care Coordination - Data Export	Ability for users to export patient data summaries formatted as a Continuity of Care Document.

MEASURES USED IN OVERALL APPROACH

DESCRIPTION OF MEASUREMENT/METRIC

Measurement/Metric

Description

API - Client Login
and Access Token

External party queries the patient using the API and retrieves the patient record. The system will receive the request to uniquely identify the patient and generate a token.

API - Getting Patient
Clinical Data by Category

Using a patient data token, third-party requests a specific data category for a specified date range to return the full Clinical Data Set for that data category.

API - Getting All Patient
Clinical Data

Using a patient data token, third-party requests all data categories for a specified date range to return the full Clinical Data Set as a C-CDA file.

ASSOCIATED CERTIFICATION CRITERIA

Measurement/Metric	Associated Certification Criteria	Relied Upon Software (if applicable)
Care Coordination - Receiving C-CDA Encounter Summaries via Direct Messaging	170.315 (b)(1) - Transitions of Care 170.315 (h)(1) - Direct Project	EMR Direct Version 2017
Care Coordination - Importing/ Reconciliation of Clinical Data into Patient Chart	170.315 (b)(2) - Clinical Info Reconciliation and Incorporation	N/A
Care Coordination - Reconciliation of Clinical Data Into Patient Chart	170.315 (b)(2) - Clinical Info Reconciliation and Incorporation	N/A
Clinical Documentation - Adding a Medication and Electronic Prescribing	170.315 (b)(3) - Electronic Prescribing	N/A
Clinical Documentation - Management of Electronic Prescriptions	170.315 (b)(3) - Electronic Prescribing	N/A
Care Coordination - Sending C-CDA Encounter Summaries via Direct Messaging	170.315 (b)(1) - Transitions of Care 170.315 (h)(1) - Direct Project	EMR Direct Version 2017
Patient Engagement - Ability to Manage Health Information	170.315 (e)(1) - View, Download, and Transmit to 3rd Party	N/A
Clinical Quality Measures - Record and Export	170.315(c)(1) - Clinical Quality Measures (CQMs) — Record and Export	N/A
Public Health - Cancer Registry Reporting	170.315 (f)(4) - Transmission to Cancer Registries	N/A
Care Coordination - Data Export	170.315 (b)(6) - Data Export	N/A
API - Client Login and Access Token	170.315 (g)(7) - Application Access - Patient Selection	N/A
API - Getting Patient Clinical Data by Category	170.315 (g)(8) - Application Access - Data Category Request	N/A
API - Getting All Patient Clinical Data	170.315 (g)(9) - Application Access - All Data Request	N/A

JUSTIFICATION FOR SELECTED MEASUREMENT/METRIC

Measurement/Metric

Justification

Care Coordination -
Receiving
C-CDA Encounter
Summaries via
Direct Messaging

Ezderm supports the capability of receiving care/referral summaries from other certified Health IT systems. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

Care Coordination -
Importing/Reconciliation
of Clinical Data into
Patient Chart

Ezderm supports the capability of importing clinical data contained within care/referral summaries from other certified Health IT systems. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

Care Coordination -
Reconciliation
of Clinical Data Into
Patient Chart

Ezderm supports the capability of importing clinical data contained within care/referral summaries from other certified Health IT systems. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

Clinical Documentation -
Adding a Medication and
Electronic Prescribing

Ezderm supports the capability of performing prescription-related electronic transactions. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

JUSTIFICATION FOR SELECTED MEASUREMENT/METRIC

Measurement/Metric

Justification

Clinical Documentation
- Management of
Electronic Prescriptions

Ezderm supports the capability of performing prescription-related electronic transactions. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

Care Coordination -
Sending
C-CDA Encounter
Summaries via
Direct Messaging

Ezderm supports the capability of sending care/referral summaries to other certified Health IT systems. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

Patient Engagement
- Ability to Manage
Health Information

Ezderm supports the capability for patients to view, download, and transmit care/referral summaries to third parties. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

Clinical Quality Measures
- Record and Export

Ezderm supports the capability of recording data for user-selected CQMs and exporting the relevant data file. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

JUSTIFICATION FOR SELECTED MEASUREMENT/METRIC

Measurement/Metric

Justification

Public Health - Cancer Registry Reporting

Ezderm supports the capability of generating single patient cancer case information for electronic transmission. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

Care Coordination - Data Export

Ezderm supports the capability to create export summaries. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

API - Client Login and Access Token

Ezderm supports, through the demonstration of an API, the capability to uniquely identify a patient and return an ID or other token that can be used by an application to subsequently execute requests for that patient's data. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

API - Getting Patient Clinical Data by Category

Ezderm supports, through the demonstration of an API, the capability to respond to requests for patient data for specified data categories and return the full set of data within a specified date range. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

JUSTIFICATION FOR SELECTED MEASUREMENT/METRIC

Measurement/Metric

API - Getting All Patient Clinical Data

Justification

Ezderm supports, through the demonstration of an API, the capability to respond to requests for patient data for all data categories and return the full set of data within a specified date range. The goal of this approach is to demonstrate that both the interoperability and conformance capabilities of the certified Health IT are consistent with the requirement of the certification criterion.

CARE SETTING(S)

Care Setting

Single-provider private Dermatology practice

Multi-provider private Dermatology practice

Justification

Ezderm is marketed to dermatologists exclusively as it is a dermatology-specific EHR, intended to be used only in this type of care setting. Single provider practices represent a significant portion of our user base, so we will want to test this setting.

Ezderm is marketed to dermatologists exclusively as it is a dermatology-specific EHR, intended to be used only in this type of care setting. Multiple provider practices represent the other significant portion of our user base, so we will want to test this setting.

EXPECTED OUTCOMES

Measurement/Metric	Expected Outcomes
Care Coordination - Receiving C-CDA Encounter Summaries via Direct Messaging	We will test a sample of our user base to get reporting values on C-CDAs received. We will report the numbers of C-CDAs received over a two week period. A successful measure increment indicates compliance to the ONC criteria, including successful reception of a C-CDA patient summary record arriving from an outside source and documenting/displaying the required clinical data elements.
Care Coordination - Importing/Reconciliation of Clinical Data into Patient Chart	Users are able to choose to import clinical data transmitted by C-CDA into a patient's chart. We will report the numbers of C-CDA documents reconciled into patient charts over a two week period.
Care Coordination - Reconciliation of Clinical Data Into Encounters	Users are able to reconcile imported clinical data into a patient's encounter . We will report the numbers of C-CDA documents reconciled within patient encounters over a two week period.
Clinical Documentation - Adding a Medication and Electronic Prescribing	<p>Users are able to create new prescriptions per patient and send them electronically to a specified pharmacy. We will test a sample of our user base to get reporting values on NewRx electronic prescriptions sent. We will report the number of NewRx electronic prescriptions that are successfully sent over a two week period.</p> <p>The measurement will produce numeric results over a given interval. A successful measure increment indicates compliance to the ONC criteria. It will show that our EHR can create the NewRx message and send over a production network, like the Surescripts Network, to a pharmacy. Successfully completing this measure also implies users have a general understanding of the EHR functional operations for our EHR 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.</p>

EXPECTED OUTCOMES

Measurement/Metric	Expected Outcomes
Clinical Documentation - Management of Electronic Prescriptions	Users are able to manage prescriptions per patient and review outgoing and incoming RX-related messages. We will test a sample of our user base to get reporting values on the management of different actions available to our users within the Ezderm Prescriptions module including, but not limited to, change and refill requests.
Care Coordination - Sending C-CDA Encounter Summaries via Direct Messaging	Users are able to generate a C-CDA file for any given patient and choose to send the file to an external provider via Direct Messaging. We will test a sample of our user base to get reporting values on C-CDAs sent as well as track C-CDA error occurrences. We will report the numbers of C-CDAs sent over a two week period. A successful measure increment indicates compliance to the ONC criteria, including successful creation of the C-CDA patient summary record and recording the required clinical data elements. In sending the C-CDA patient summary record, our EHR will demonstrate ability to confirm successful interoperability of an exchanged patient record with a 3rd party.
Patient Engagement - Ability to Manage Health Information	Clinical documentation is accessible to patients via the patient portal, where they can select the desired date range and generate their health information in the appropriate format and can transmit the data. We will record the instances of patient portal access by reporting the number of new patient accounts created over a two week period. The measurement will produce numeric results over the given interval.
Clinical Quality Measures - Record and Export	Users will be able to capture the required elements for the selected CQMs and report the data in the proper data format. The measurement will count and list the CQMs tracked and reported for over a given interval. We will ask our users to report on the number of CQMs they successfully documented clinical information for and generated the eCQM report for, which reveals compliance to the associated criteria listed above. This will show that our EHR is able to do calculations on the CQM and generate the report for users that can be submitted to CMS.

EXPECTED OUTCOMES

Measurement/Metric	Expected Outcomes
Public Health - Cancer Registry Reporting	Users are able to generate cancer case data for patients with applicable diagnoses and generate a report that can then be uploaded to state registries. We will track the report(s) generated and transmitted by our users during the 90-day period in which they choose to use for their Promoting Interoperability reporting period.
Care Coordination - Data Export	Users are able to set up and export summaries for patients whose information is stored in the technology per the desired timeframe and frequency. We will track and report on the frequency with which users utilize the Data Export functionality and gather related information on intended use via a survey of the offices.
API - Client Login and Access Token	A patient can use their desired application and device and call the API, and then a token will be generated, upon authentication, for use in subsequent measures. We will track for any errors detected during the retrieval and displaying of results.
API - Getting Patient Clinical Data by Category	Using the API and previously generated token, specific data categories will be able to be selected to generate the relevant clinical data for the selected timeframe. We will track for any errors detected during the retrieval and displaying of results.
API - Getting All Patient Clinical Data	Using the API and previously generated token, information from all data categories will be generated into a complete C-CDA for the selected timeframe. We will track for any errors detected during the retrieval and displaying of results.

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Prepare the Ezderm application for use in collecting data for the 2022 real world testing.	Ambulatory Settings: Single-provider and multi-provider private Dermatology practice	December 2022
Identify the user practices that will participate in the test plan.	Ambulatory Settings: Single-provider and multi-provider private Dermatology practice	Q1 2023
Confirm that the Real World Test Plan participants are able to log into their accounts and are ready to start the testing.	Ambulatory Settings: Single-provider and multi-provider private Dermatology practice	Q1 2023
Initiate and conduct follow-up Real World Testing with participants on a regular basis to obtain feedback on their progress and/or if there are any issues to address.	Ambulatory Settings: Single-provider and multi-provider private Dermatology practice	Bi-quarterly 2023

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
End the Real World Test to coincide with the end of the 2023 calendar year.	Ambulatory Settings: Single-provider and multi-provider private Dermatology practice	January 2024
Real World Test analysis and generation of the report.	Ambulatory Settings: Single-provider and multi-provider private Dermatology practice	January 2024
Submit Real World Test Report to ACB before established deadline.	Ambulatory Settings: Single-provider and multi-provider private Dermatology practice	February 2024

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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Date: 10/24/2022

