Dermatology EHR and Practice Management Software

Real World Testing Results Report 2025 eDerm Systems - version 2.8.0

Testing of certified health IT (45 CFR 170.405) ONC Health IT Certification Program

Plan for eDerm Systems:

Date of Plan: 10/30/2025
Date of Test: 2025

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I. ## Background

eDerm Systems developers are required to conduct Real World Testing of eDerm Systems (version 2.8.0), an ambulatory EHR and Practice Management System, under the ONC Health IT Certification Program for Certified Health IT (45 CFR 170.405). The purpose of this results report is to document the required information that must be submitted for each element in the 2024 test plan. Adjustments to approaches were made throughout Real World Testing which are reflected in the results report. The changes are listed, along with the reasons for them, and how intended outcomes were more efficiently met as a result.

II. ## General Information

Plan Report ID Number: [For ONC-Authorized Certification Body use only]
Developer Name: Andrew Queen
Product Name(s): eDerm Systems
Version Number(s): 2.8.0
Certified Health IT Product List (CHPL) ID: 15.04.04.2592.eDer.28.00.1.191025
Developer Real World Testing Page URL: https://www.edermehr.com/ederm-onc-certified

III. Justification for Real World Testing Approach

eDerm will demonstrate interoperability and functionality of its certified module in a real world ambulatory dermatology setting and scenario. Each element in the plan is relevant to the strategy for meeting the requirements. eDerm will be using real clients to ensure functional accuracy and transparencies. eDerm users will include clinical staff members such as providers and staff.

eDerm Systems reached out to eDerm users seeking participation interest in Real World Testing. We conducted testing with eDerm users as part of the dermatology care setting type.

Justification for Real-World Testing Approach			2025 RWT Report Success and Capture of Any Modifications with Explanation
Certification Criteria Reporting Metrics Ongoing Testing	Description of Test Plan	Certification criteria metric data from clients will be aggregated for monthly reporting.	Aggregated metric data was successfully obtained as indicated for monthly reporting.
	Testing Method/Methodology	Monthly Reporting: A secure site will have automated reports for review with an automated aggregation of monthly data.	eDerm Systems development team uses database scripts to capture metrics reporting snapshots for 2025 to track the measure of success for each testable criteria as depicted in "Summary of Testing Methods and Key Findings".
		Direct Messaging with Updox: The internal eDerm team will run and deliver aggregated reports on a monthly basis related to sending and receiving direct messages.	
		Electronic Prescribing: The internal eDerm team will run and deliver aggregated reports on a monthly basis related to inbound and outbound electronic prescribing transactions and medication history requests.	

		Patient Portal: The internal eDerm team will run and deliver aggregated reports on a monthly basis related to patient portal invites and patient actions such as portal access.	

	Description of Certification Criteria Expected Outcomes	Please see Measures Used in Overall Approach - Expected Outcomes.	
	Measurement/Metric by Certification Criteria	Please see Measures Used in Overall Approach - Planned Functional Testing/Description of Reporting Metric.	
	Justification for Real World Test Approach by Certification Criteria	Please see Measures Used in Overall Approach - Justification.	

Use Case/ScenarioBased Point in Time Testing	Description of Test Plan	To test the features and functionalities required by the certification criteria, simulated real world patient-focused scenarios and use cases will be used. In some cases, real world patient data will be utilized to confirm compliance such as successful transmission statuses for some interoperability certification criteria requirements. The use cases will include actions by different user types to capture the required data and workflows. The patient-focused scenarios' steps and use cases are cross mapped to the individual requirements within the interoperability certification criteria to ensure complete testing. Compliance with required standards will be tested via manual inspection by experts from eDerm and ONC-recommended test tools.	Clinical workflows were scripted to support Real World Testing participants to execute the steps in an efficient manner as outlined in the plan. eDerm Systems public facing knowledge base articles relevant to the certification criteria were also made available to participants for their reference.

		Testing Method/Methodology	Any and all of the following test methodologies will be used to accomplish complete testing of conformance with the certification criteria requirements. While there will be a starting plan, the use of testing methodologies may differ based upon the individual client's access to different functionalities and skill sets of available staff. - Manual entry of synthetic data - Screenshots of manually entered synthetic data and log files - Testing with ONCapproved testing tools, when appropriate - Analysis of database log files - Analysis of external and eDerm log files - Real world examples of successful transmissions by client report - Use of production environments when possible while limiting touchpoints with PHI as much as feasible -Use test and production environments as available	Clinical workflows were scripted to support Real World Testing participants to execute the steps in an efficient manner as outlined in the plan. Synthetic patient data was utilized to avoid unnecessary access to PHI. Live testing events were scheduled with participants on pre-agreed timelines and screen shots were captured to validate the goals of the testing activity.
		Description of Expected Outcome	Clients will all be able to successfully demonstrate the interoperability elements related to the certification criteria that will be tested.	The expected outcome from the testing methodologies did not change from the original plan.
		Measurement/Metric	The percentage of clients who successfully demonstrate the required interoperability functionality is the metric.	eDerm Systems development team uses database scripts to capture metrics reporting snapshots for 2025 to track the measure of success for each testable criteria as depicted in "Summary of Testing Methods and Key Findings".

	Justification for Real World Test Approach	The Real World Test approach is intended to be focused on demonstrating full compliance with the interoperable certification criteria requirements in a way that provides the least burdensome work effort for clients to execute.	The approach followed during Real World Testing permitted effective collection of evidence used to ensure compliance with the full scope of the certification criteria.

IV. Summary of Testing Methods and Key Findings

A summary of the Real World Testing methods deployed to demonstrate real-world interoperability, including any challenges or lessons learned from the chosen approach is provided below. How the results shared in this report demonstrate real-world interoperability is summarized.

Clinical workflow scripts using synthetic data support Real World Testing participants to demonstrate real-world interoperability. The results shared in this report demonstrate the real-world interoperability of eDerm Systems from analysis of the reports.

EVENT COUNTING: Count monthly events based upon identified metric from   midnight on the first day of the month to midnight on the last day of the month.

eDerm Systems Real World Test Metrics to be Measured					2025 RWT Report	
Certification Criteria	Planned Functional Testing / Description of Reporting Metric	Justification	Care Setting and Justification	Expected Outcomes	Actual Functional Testing Description	RWT Execution Outcomes
REPORT METRICS ONGOING	**Planned Reporting Metric Description**					

170.315(b)(1) Transitions of care	Total number of successfully transmitted CCDAs (CCD and Referral Note) via Direct messaging based on receipt of MDN	Show the volume of successfully transmitted CCDAs via Direct messaging.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm	Identification of standard/base line volume of aggregated successful transmissions of C-CDAs via Direct	Database scripts to track transactions based on criteria in scope of Real World Testing and reporting on these findings	Total 65 referrals were done during the period between 1st Jan 2025 to 30th Sept 2025 where all the requests were successful & CCDA files were generated & transition of care was 100% successful. We verified the data by querying the database tables to fetch the data. 100 percent of outbound transition
170.315(b)(2) Clinical Information Reconciliatio n and Incorporatio n	Total number of problem list reconciliations	Show the volume of completed problem list reconciliations performed dependent on client action.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	Identification of standard/base line volume of aggregated problem list reconciliations by month.		Data from system logs were extracted for analysis. It was found that no production clients were utilizing the API functions. To adhere to our plan, we reverted to internal test environments to recreate the requests for patient selection, data category and all data. Using the test environment, 6 requests were performed and all 6 were successful

	Total number of medication list reconciliations	Show the volume of completed medication list reconciliations performed dependent on client action.				
	Total number of medication allergy list reconciliations	Show the volume of completed medication allergy list reconciliations performed dependent on client action.				
	Total number with all three domains reconciled	Show the volume of completed reconciliations performed for problem list, medication list and allergy list dependent on client action.				
170.315(b)(6) Data export	Total data exports performed	Show the volume of data exports performed the type of data exported for a single patient and the frequency	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	It is expected that authorized users will be able to share EHI using the export function. Error rates will be tracked and trended over time.	Database scripts to track transactions based on criteria in scope of Real World Testing and reporting on these findings	Data from system logs were extracted for analysis. It was found that no production clients were utilizing the API functions. To adhere to our plan, we reverted to internal test environments to recreate the requests for

						Data export. Using the test environment, Data export was performed 5 times resulting in a 100% success rate. Tracking in Q1 of 2025 to track PY 2025 QPP
170.315(c)(1) Clinical quality measures – record and export-	Total number of quality measure defects: 1. Identified 2. Resolved Total number of successful submissions as reported by clients	Show limited number of quality measure related defects with fast resolution to support client submission of eCQMs.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers	Identification of solution defects related to successful submission of QRDA files from 1/1/2025 to 3/2025.		
170.315(e)(1) View, download, and transmit to 3rd party.	Total number of C-CDA documents made available to patients via a patient portal	Show the volume of CCDAs made available to patients in an automated way via the patient portal.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported	Identification of standard/base line of aggregated volume of CCDAs made available to patients via the patient portal by month.	Database scripts to track transactions based on criteria in scope of Real World Testing and reporting on these findings	Patients that accessed the portal in 2025: 189,048

	Total number of patient invites to create portal account	Show the volume of invitations to patients to create a patient portal account.	by providers practicing across the United States.	Identification of standard/baseline aggregated volume of patient invites sent to patients for creation of a portal account by month.		Average invites sent to patients to sign up for portal per month - 1,549 invites to portal per month based on scheduled self-registration
	Total number of new patient portal accounts/logins	Show the volume of new patient portal accounts/logins.		Identification of standard/baseline aggregated volume of new patient account/login creation by month.		Average new patient login/account creation per month - 335

		patient access events/logins.		aggregated volume of patient portal login events by month.		
170.315(g)(7) Application access – patient selection.	Total number patient API authentication events	Show the volume of successful patient authentication events for requests for	Providers practicing Dermatology - This type of care setting represents 100% of the	Identification of standard/baseline aggregated volume of successful	Database scripts to track transactions based on criteria in scope of Real World Testing	Data from system logs were extracted for analysis. It was found that no production clients were utilizing the eDerm API functions. To adhere to our plan, we reverted to internal test environments to recreate the patient authentication. Using the test environment, 5 requests were performed and all 5 were successful.

170.315(g)(8) API - Data Category	Total number of data category requests received	Show the volume of patient requests for one or more data category requests via a third-party application.		Identification of standard/base line aggregated volume of patient requests for one or more data categories via a patient facing API by month.		5 data category requests via third party application received 5 returned
170.315(g)(9) Application access – all data request.	Total number of all data requests (CCDAs) received	Show the volume of patient data category requests via a third-party application.		Identification of standard/base line aggregated volume of patient requests for a full C-CDA via a patient facing API by month.		

170.315(g)(10) Standardized API for Patient and Population Services	Total number of successful requests for single patient tokens	Show the volume of successful single patient token request events via a thirdparty application connected to the patient-facing API	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across theUnited States.	dentification of standard/baseline aggregated volume of single patient token requests via a patient-facing API by month.		Data from system logs were extracted for analysis. It was found that no production clients were utilizing the API functions. To adhere to our plan, we reverted to internal test environments to recreate the requests for single patient tokens, and multipatient tokens. Using the test environment, 10 requests were performed and all 10 were successful.
	Total number of successful requests for multipatient tokens	Show the volume of successful multipatient token request events via a thirdparty application connected to the patient-facing API		Identification of standard/baseline aggregated volume of multi-patient token requests via a patient-facing API by month		
	Total number of successful search requests	Show the volume of successful search request events via a third-party application connected to the patient-facing API		Identification of standard/baseline aggregated volume of search requests via a patient-facing API by month		5/5 – search requests
	Total number of applications registered	Show the volume of third-party applications registered for connection to the patient-facing API				3/3 - applications registered
	Total number of successful refresh token requests	Show the volume of successful token refresh request events via a				3/3 – Refresh token requests

		third-party application connected to the patient-facing API			
	Total number of successful access token requests based on refresh tokens	Show the volume of successful access token request events via a third-party application connected to the patient-facing API			3/3 – Subsequent refresh token requests
	Total number of successful token revocation requests	Show the volume of successful token revocation request events via a thirdparty application connected to the patient-facing API			3/3 – Token Revocation within 1 hour of request.
	Total number of successful token introspection requests	Show the volume of successful token introspection request events via a thirdparty application connected to the patient-facing API			5/5 Token introspection requests
FUNCTIONAL CONFORMANCE POINT IN TIME					

Overall Point in Time Testing of Certification Criteria	Testing of applicable certification criteria included in the certified product listing.	Show the successful deployment of certified functionality in real world environments.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing	All clients represent the applicable Care Setting Type and will be able to demonstrate the interoperability elements related to the certification criteria that will be tested to show that	Real World Testing activities proceeded as planned. See detailed descriptions below for each.	The steps for all interoperability certification criterion were tested with at least one client for the Care Setting. In some situations where the client selected did not have all the
			across the United States.	they work in the real world.		interoperability functionality implemented, additional clients were identified and recruited where available for participation.

170.315(b)(1) Transitions of care	- Demonstration of creation of a C-CDA at the end of an ambulatory encounter with transmission to the next provider of care via Direct Messaging with a confirmation of receipt in a client production environment. - Check evidence of successful CCDA transmissions in the client's production environment under Transitions of Care.	- Show the ability to send CCDAs to the next provider of care via Direct Messaging upon ambulatory visit departure.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	- Documentation evidencing receipt of CCDAs into recipient EHR when sent by the client via Direct Messaging. .	Two clients engaged to test referral workflow such that one provider sent the DIRECT message with referral CCD to another provider and another provider saved the incoming CCD to patient's documentation Evidence of successful delivery of CCD demonstrated by recipient provider saving the CCD to patient's documentation in EHR.	Screen shots of documentation of recipient provider with the CCD in reference. Recipient successfully displayed the CCD human readable content and completed the next step of reconciliation of problems, allergies and medications in their instance of eDerm Systems.

| 170.315(b)(2) Clinical Information Reconciliation and Incorporation | - Demonstration of problem list, medication list and allergy medication list reconciliation from discrete problems, medications and medication allergies parsed from a C-CDA in client production environment. - Check of evidence of successful reconciliations of parsed discrete data in client production environment into the problem list, medication list and allergy list in the EHR. | Show the ability to reconcile discrete problems, medications and medication allergies parsed from a C-CDA into the EHR in a real-world environment. | Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States. | Documentation evidencing the parsing of discrete problems, medications, and medication allergies from an inbound CCDA with reconciliation of that data into the EHR problem list, medication list and allergy list. | | Screen shots of documentation of recipient provider with the CCD in reference. Recipient was able to successfully display the CCD human readable content and complete the next step of reconciliation of problems, allergies and medications in their instance of eDerm Systems. |

170.315(b)(6) Data export	Demonstration of the use of a patient-list to create an export of CCDAs with the ability to save them to a file system location at the client site.	To demonstrate the ability to successfully generate a set of C-CDAs on demand based upon a list of patients in a real-world environment.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	Documentation evidencing the ability to create a patient list used to generate a set of C-CDAs upon demand with their health information.	Testing participants provided with a survey questionnaire prior to the testing activity to gauge familiarity with this feature. Based on survey feedback, knowledge base article for data export was offered and during live testing, a sample data export workflow was demonstrated using screen share. Participants used this familiarity to test this workflow in their instance of eDerm Systems and session recording as evidence.	100% Successful generation of batch CCDs as a result of data export patient list report output workflow.
170.315(c)(1) Clinical quality measures – record and export	- Demonstration of the ability to export patient data recorded in the EHR for a specified patient population and import that into the Cypress Test Tool for calculation of specified quality measures that will match the results obtained	Show that the calculation of quality measures out of the EHR technology produces the same results when calculated by the Cypress Test Tool.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	Documentation evidencing the ability of the EHR to export quality measure data used in achieving matching results in the demonstration for 170.315(c)(1) when quality measures are calculated by	Participants documented the steps in eDerm Systems for the quality measures and the MIPSpro dashboard was used to evaluate the performance. Cypress testing could not be performed using client	Successful validation of eCQMs along with QRDA file validation using Cypress tool.

170.315(g)(8) API - Data Category 170.315(g)(7) Application access – patient selection.	Demonstration	Show the end-to end	Providers	Documentation	the Cypress Test Tool.	data owing to PHI and participant's unfamiliarity of using the tool. To validate the QRDA files generated from eDerm Systems, QRDA validation was done using synthetic data in Cypress tool. Metric data was captured for number of QRDA file generations month wise.	
170.315(g)(8) API - Data Category 170.315(g)(7) Application access – patient selection.	Demonstration of a patient's ability to make a data category request for one or more data elements from the Common Clinical Data Set via a 3rd party application that is connected to EHR's patient facing API following authentication. - Check evidence in production environment auditable event entries for Data Category Request from Patient and Data Category Request Exported.	Show the end-to end-functionality from when a patient makes a request for a data category request for one or more of the data elements in the Common Clinical Data Set from a 3rd party application connected to the EHR, is authenticated and return of a C-CDA is received into the 3rd party application.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	Documentation evidencing a patient's ability to request and retrieve a one or more data elements from the Common Clinical Data Set from the EHR's API into a 3rd party application.	No customers are using the certified APIs actively. Survey was conducted among participants to gauge familiarity with this feature and none were familiar with using this feature. So validation using Postman tool was performed as there are no eDerm Systems customers using the certified APIs actively.	Tracking of API calls using postman for USCDI data elements through certified APIs were captured to support metric reporting. No live customer testing could be performed. No data to report.

170.315(g)(9) Application access – all data request. 170.315(g)(7) Application access – patient selection.	Demonstration of a patient's ability to make an all data request for a CCDA via a 3rd party application that is connected to EHR's patient facing API following authentication. - **C**heck evidence in production environment auditable event entries for All Data Request from Patient and All Data Request Exported.	Show the end-to end-functionality from when a patient makes a request for a CCDA from a 3rd party application connected to the EHR, is authenticated and return of a C-CDA is received into the 3rd party application.	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	Documentation evidencing a patient's ability to request and retrieve a CCDA from the EHR's API into a 3rd party application.		

v. Standards Updates (Including Standards Version Advancement Process (SVAP) and United States Core Data for Interoperability ((USCDI))

The criteria will be tested against the 2015 Edition version of the criteria.

Note: 2015 Cures Update completed after August 31.

Care Setting: Dermatology

VI. Schedule of Key Milestones

The Real World Testing plan should be made publicly available on the Certified Health IT Product List (CHPL) annually on December 15th and the results should be publicly available on March 15th of the subsequent year. Below is a list of key milestones that were met during the Real World Testing process including details of how and when the developers implemented measures and collected data.

Test Type	Key Milestone	Care Setting	Date / Timeframe	2025 RWT Report
				Plan Variance Explanation

Certification Criteria Reporting Metrics Ongoing Testing	Deploy metric reports for all clients that participate in Promoting Interoperability reporting for certification criteria with database data available. - Report automation configuration will be set up to run the reports monthly, transmit them to a secure site with an automated aggregation monthly calculation.	All client base that participates in Promoting Interoperability reporting	1/1/2025 to 2/28/2025	In November 2021, based on the applicable care setting, a random list of potential customers was short listed to reach out for Real World Testing participation in 2025 by email. eDerm Systems development team started capturing the January 2025 metrics for measure of success criteria for the certification criteria in scope as per the measures under Summary of Testing Methods and Key Findings and data is tracked throughout the year.
	Monthly reports provided by internal/third-party teams managing common/shared functionality as follows: - Direct Messaging (UpDox) - Patient Portal (for portal invites and patient actions in creating portal accounts and accessing portal data)	All client base that participates in Promoting Interoperability reporting	1/1/2025 to 12/31/2025	
	Monthly aggregation of reports from all sources	All client base that participates in Promoting Interoperability reporting	2/1/2025 to 12/31/2025	
	Monthly review and monitoring of aggregated report output from all sources	All client base that participates in Promoting Interoperability reporting	2/1/2025 to 12/31/2025	

	Preparation of final aggregated report output from all sources for inclusion in Real World Test Report	All client base that participates in Promoting Interoperability reporting	1/1/2025 to 1/31/2025
Use Case/Scenario-Based Point in Time Testing	Client recruitment		11/1/2024 to 02/28/2025
	Scheduling of each recruited client Real World Test project activities based on dermatology care setting - Kick-off - Review Real World Test project plan - Establish Real World Test execution expectations and timeframes for touchpoint/status calls	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	1/1/2025 to 2/28/2025

- Establish agreed upon testing completion timeframes - Determine need for client refresher training on certified functionality as required such as data export

	Conduct Real World Test activities over twomonth timeframe for each client - Execution of Real World Test by client with eDerm Support for guidance/problemsolving - Documentation of outcomes of Real World Test activities throughout testing process	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	3/1/2025 to 6/30/2025	
	Investigation of any client identified potential nonconformance during Real World Test activities	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	3/1/2025 to 6/30/2025	
	Review and analysis of output from individual client Real World Test outputs concurrently with client testing activities	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	3/1/2025 to 6/30/2025	

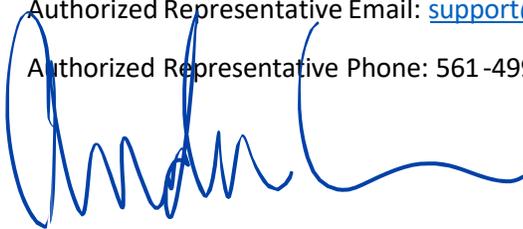|	Follow-up, clarification and retesting with client participants as required	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	7/1/2025 to 8/31/2025	
	Aggregation of all client Real World Test outputs into a final Real World Test Report section for Point in Time Testing	Providers practicing Dermatology - This type of care setting represents 100% of the customer base of eDerm Systems and is supported by providers practicing across the United States.	9/1/2025 to 11/30/2025	

VII. Attestation

The Real World Testing results report 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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