



# HISPDirect RWT - TEST PLAN

December 15, 2021

<b>Plan Report ID Number</b>	HISPDirect RWT Test Plan (2021)
<b>Developer Name</b>	RosettaHealth
<b>Product Name</b>	HISPDirect
<b>Product Version</b>	V3.0
<b>Website</b>	<a href="http://www.rosettahealth.com">www.rosettahealth.com</a>
<b>Contact Info</b>	info@rosettahealth.com
<b>Certification Date</b>	November 13, 2017
<b>Effective Date</b>	2015 Edition
<b>Certification Number(s)</b>	15.04.04.2995.HISP.03.00.0.171113
<b>Certification Criteria</b>	170.315 (d)(1-3); (g)(4-5); (h)(2)
<b>Clinical Quality Measures Tested</b>	None
<b>Additional Software Required</b>	None
<b>Real World Testing Website</b>	<a href="http://www.rosettahealth.com/accreditations">www.rosettahealth.com/accreditations</a>

## Overview

ONC Health IT Certification Program requires RosettaHealth to conduct Real World Testing (RWT) of HISPDirect, our certified health IT product. This document is our test plan for this testing.

The full details of RosettaHealth's HISPDirect active certification is listed CHPL (<https://chpl.healthit.gov>) and RosettaHealth's accreditation webpage (<https://rosettahealth.com/accreditations>). Briefly, the key certification information needed for this plan are provided in the table below

Certification Date	November 13, 2017
Standard	2015 Edition
Health IT CHPL ID	15.04.04.2995.HISP.03.00.0.171113
Certification Criteria	170.315 (d)(1-3); (g)(4-5); (h)(2)

Per the RWT requirements, real world testing for criteria 170.315 (h)(2) is needed for HISPDirect.

Our approach to HISPDirect RWT is to

- use a 3rd party interoperability test between DirectTrust HISPs, validating compliance with the interoperability requirements of 170.315 (h)(2) and DirectTrust Policies and Procedures. This test is conducted twice a year by DirectTrust accredited HISPs, with results available to all members. These results will be included in our annual testing result report.
- conduct real world sampling of HISPDirect production DSM traffic, confirming success Direct, Edge, and XDM/XDR processing. Transaction logs will be analyzed over an appropriate period of time and included in our annual test result report.

The following tables define our measures and key milestones.

## HISPDirect RWT - Measures

Measure	DirectTrust Greenlight Testing	“Direct Project” sampling	XDR/XDM sampling
<b>Associated Criteria</b>	170.315(h)(2)	170.315(h)(2)	170.315(h)(2)
<b>Description</b>	DirectTrust Interoperability Test that members participate in. Purpose of this bi-annual test is to validate compliance with 170.315(h), DirectTrust policies and procedures, and HISP interoperability.	Routine sampling of HISPDirect “Direct Project” traffic to ascertain DSMs are successfully sent and received.	Routine sampling of HISPDirect XDR/XDM processing and traffic to ascertain messages are successfully sent and received.
<b>Justification</b>	Validates compliance and interoperability between 170.315(h) DirectTrust accredited HISPs.	Sampling “Direct Project” traffic is a real world validation of compliance and interoperability with other CHPL systems implementing 170.315(h) criteria.	Sampling XDR/XDM traffic is a real world validation of compliance and interoperability with other CHPL systems implementing 170.315(h) criteria.
<b>Care Setting</b>	All <sup>1</sup>	All <sup>1</sup>	All <sup>1</sup>
<b>Frequency</b>	Bi-Annual	Quarterly	Quarterly

Measure	DirectTrust Greenlight Testing	“Direct Project” sampling	XDR/XDM sampling
<b>Expected Outcome</b>	<p>“Green” with most of participating members. Typically, HISPDirect has a success rate of over 90%.</p> <p>“Green” (aka success) indicated a successful bi-directional DSM exchange between two HISP. Other results generally reflect another HISPs failure to complete testing within the prescribed testing period.</p> <p>Interoperability test consists of</p> <ol style="list-style-type: none"> <li>1. sending a wrapped DSM to each member that validate successful receipt of the message .</li> <li>2. receiving a wrapped DSM from each member and validating successful receipt of the message.</li> </ol> <p>Greenlight testing report(s) will be include in HISPDirect RWT results.</p>	<p>High (over 90%) success rate with explanations for each failed category (e.g. gmail address are illegal direct addresses).</p> <p>Sample of traffic logs will be analyzed for success/failure.</p> <p>Results will report % of successful messages along with a detailed breakdown of failed messages (eg. non-direct addresses, expired certificates, etc.)</p>	<p>High (over 90%) success rate with explanations for each failed category (e.g. incorrectly formatted XD* packet).</p> <p>Sample of traffic logs will be analyzed for success/failure.</p> <p>Results will report % of successful messages along with a detailed breakdown of failed messages (eg. bad packet, expired certificates, etc.)</p>

## HISPDirect RWT - Key Milestones

Key Milestone	Care Setting	Date/Time
Direct Greenlight Testing	All <sup>1</sup>	April, October
Direct Project Sampling	All <sup>1</sup>	Quarterly
XDR/XDM Sampling	All <sup>1</sup>	Quarterly
Review/Revise RWT Test Plan	All <sup>1</sup>	November
Annual Test Report	All <sup>1</sup>	February

# 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.

<b>Authorized Representative Name</b>	Doug Hill
<b>Authorized Representative Email</b>	<a href="mailto:doug.hill@rosettahealth.com">doug.hill@rosettahealth.com</a>
<b>Authorized Representative Phone</b>	(240) 203-7646
<b>Authorized Representative Signature</b>	
<b>Date:</b>	November 1, 2021

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<sup>1</sup> HISPDirect is relied on software/Health IT Module and, as such, is agnostic to care setting.